State Transportation Improvement Program

2016-2019

massDOT
Massachusetts Department of Transportation

August 28, 2015

Dear community member,

I am pleased to present the Massachusetts Department of Transportation's State Transportation Improvement Program (STIP) for Federal Fiscal Years 2016-2019. This four-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 through our metropolitan planning process, which includes input from individuals, public agencies, and our state and federal partners. To accomplish our transportation goals, the STIP's investment program directs nearly $4.5 billion dollars to roadways, bridges, bicycle and pedestrian facilities, and public transportation over the next four federal fiscal years.

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

Sincerely,

Stephanie Pollack
Secretary & CEO

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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 administrated 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:

Title VI Specialist
MassDOT, 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-អ្នកត្រូវការបកប្រែព័ត៌មាននេះលសូមទាក់ទកអ្នកឯកទេសលើជំពូកទី**6** របស់**MassDot** តាមរយៈលេខទូរស័ព្ទ **857-368-8580**

Arabic: 857-368-8580 إن كنت بحاجة إلى هذه المعلومات بلغة أخرى يُرجى الاتصال بأخصائي الحقوق المدنية في ماساتشوستس

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 5:00pm

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

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 MBTA, the MassDOT Highway and Rail-Transit Divisions, MassDOT Federal Aid Programming 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.

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 MAP-21 (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.

8/28/2015

Stephanie Pollack **Date**
Secretary & CEO

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, while also providing for strategic capacity expansions. 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 that are available or funding for which there is a reasonable expectation of availability.

8/28/2015

Stephanie Pollack **Date**
Secretary & CEO

Certification of the State Transportation Improvement Program

Whereas, the 1990 Clean Air Act Amendments (CAAA) require Metropolitan Planning Organizations 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 2016-19 Massachusetts State Transportation Improvement Program is not required because most of the state (with limited exceptions) was designated on May 21, 2012 by the United States Environmental Protection Agency as "unclassifiable/attainment" for the latest ozone standard;

Whereas, all regionally significant transportation projects in the 2016 - 2019 State Transportation Improvement Program are contained in the collection of the 2016 Regional Transportation Plans;

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 2016-2019 STIP is financially constrained and that the implementation of the STIP, each MPO's TIP, and each MPO's 2016 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 the current federal requirements, the FFY 2016-2019 STIP is consistent with the air quality goals of the Massachusetts State Implementation Plan;

Therefore, in accordance with 23 CFR Part 450 Section 322 (Development and content of the Metropolitan Transportation Plan) of the March 16, 2007 Final Rules for Statewide and Metropolitan Planning, the Commonwealth hereby endorses the FFY 2016 - 2019 State Transportation Improvement Program.

8/28/2015

Stephanie Pollack — **Date**
Secretary & CEO

Acronyms

AC	Advanced Construction
ADA	Americans with Disabilities Act of 1990
ADV	Advertised
BR	Bridge
BRT	Bus Rapid Transit
BSG	Bay State Greenway
CAAA	1990 Clean Air Act Amendments
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CTPS	Central Transportation Planning Staff
DIST	District
EJ	Environmental Justice
EMS	Emergency Medical Services
ENV	Environment
EPA	Environmental Protection Agency
FAPRO	Federal Aid Expenditure and Programming Office
FFY	Federal Fiscal Year
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
GHG	Greenhouse Gas
HSIP	Highway Safety Improvement Program
IM	Interstate Maintenance
MAP	Mobility Assistance Program
MAP-21	Moving Ahead for Progress in the 21st Century
MAPC	Metropolitan Area Planning Council
MARPA	Massachusetts Association of Regional Planning Agencies
MARTA	Massachusetts Association of Regional Transit Authorities
MassDOT	Massachusetts Department of Transportation
OTP	Office of Transportation Planning
MBTA	Massachusetts Bay Transportation Authority
MPO	Metropolitan Planning Organizations
NFA	Non-Federal Aid
NHPP	National Highway Performance Program
NHS	National Highway System
PL	Planning Funds
PPP	Public Participation Plans
PROJ NO	Project Number
ROW	Right of Way
RPA	Regional Planning Agency
RTACAP	RTA Capital Assistance
RTAs	Regional Transit Authorities
RTPs	Regional Transportation Plans
SCA	State Contract Assistance
SHSP	Strategic Highway Safety Plan
SRTS	Safe Routes to School
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
TAP	Transportation Alternatives Program
TDC	Transportation Development Credit
TFPCC	Total Federal Participating Construction Cost
TIP	Transportation Improvement Program
Title VI	Title VI of the Civil Rights Act of 1964

STIP Development

The Commonwealth of Massachusetts' State Transportation Improvement Program (STIP) is a federally-mandated, prioritized listing of highway, bridge, intermodal, and transit investments planned to be undertaken during the next four federal fiscal years (FFY): FFY 2016 through FFY 2019. The document is a compilation of state, regional and local transportation priorities that will be implemented with funding provided by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA), along with investments that impact air quality regardless of the type of funding. The STIP must be financially-constrained to the federal amounts allocated to Massachusetts. This list of planned investments undergoes a comprehensive annual review and is updated as needed to reflect changes including cost variations, project readiness, or shifting priorities that occur throughout the FFY. The lists include projects programmed by the state's ten Metropolitan Planning Organizations (MPOs) and the three regional planning entities that function as MPOs for their respective regions.

MassDOT includes four Divisions: Highway, Rail & Transit, Aeronautics, and the Registry of Motor Vehicles. The STIP principally contains investments implemented by the Highway and Rail & Transit Divisions. Below are brief descriptions of each of the Divisions.

The Highway Division is responsible for managing the state highway system. The Division was created by merging the Massachusetts Highway Department with the Massachusetts Turnpike Authority, and also includes the Tobin Memorial Bridge.

The Rail & Transit Division is responsible for the development, implementation and oversight of statewide rail policies and programs for the Commonwealth's fifteen Regional Transit Authorities (RTAs) and the Massachusetts Bay Transportation Authority (MBTA).

The Aeronautics Division is responsible for coordinating aviation policy in the Commonwealth and overseeing the state's public use, general aviation airports; private use landing areas; and seaplane bases. The Division also certifies airports and heliports, licenses airport managers, and conducts annual airport inspections.

The Registry of Motor Vehicles Division is responsible for issuing vehicle operator licensing, vehicle and aircraft registration and overseeing commercial and non-commercial vehicle inspection stations.

For the reader, this document is divided into five major sections:

Introduction

- Overview contains narratives, certifications, and descriptions necessary for submission to appropriate federal and state reviewing agencies

Public outreach

- Details public outreach program employed to solicit input for the development of the STIP

Funding overview

- Description of highway and transit funding sources for the 2016-2019 STIP

Investments

- Lists all roadway, bicycle, pedestrian, and transit investments programmed in regional TIPs, as well as those funded on a statewide basis

Appendices

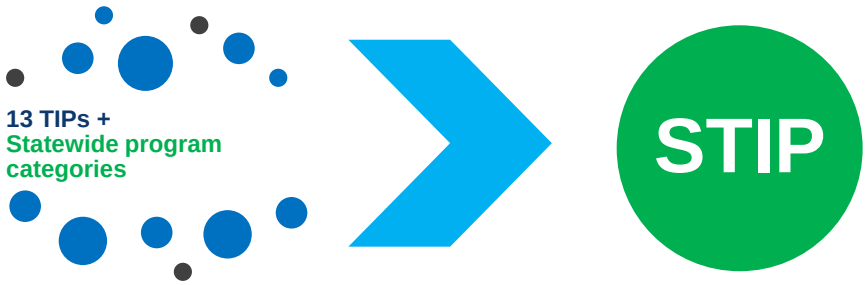
- Contains a status-to-date of the FFY2015 program, air quality determination, GHG emmissions analysis, and source documents used by MassDOT and the MPOs in the development of the STIP and the regional TIPs

STIP Basics

Local communities and Metropolitan Planning Organizations (MPOs) 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 15 RTAs in Massachusetts, in cooperation with the MassDOT Rail & Transit Division, plan, develop, and implement transit investments. These investments are listed in this document and constitute the State Transportation Improvement Program (STIP).

What is the STIP?

The STIP is a compilation of the thirteen regional Transportation Improvement Programs (TIPs) prepared annually by the state's MPOs. 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 (MassDOT Planning), in coordination with the MassDOT Highway Division, MassDOT Rail & Transit Division, MPOs, the RTAs, and MassDOT's Federal Aid Expenditure and Programming and Reimbursement Office (FAPRO). The proposed STIP is then reviewed and approved by state and federal transportation and environmental agencies.



What is an MPO?

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

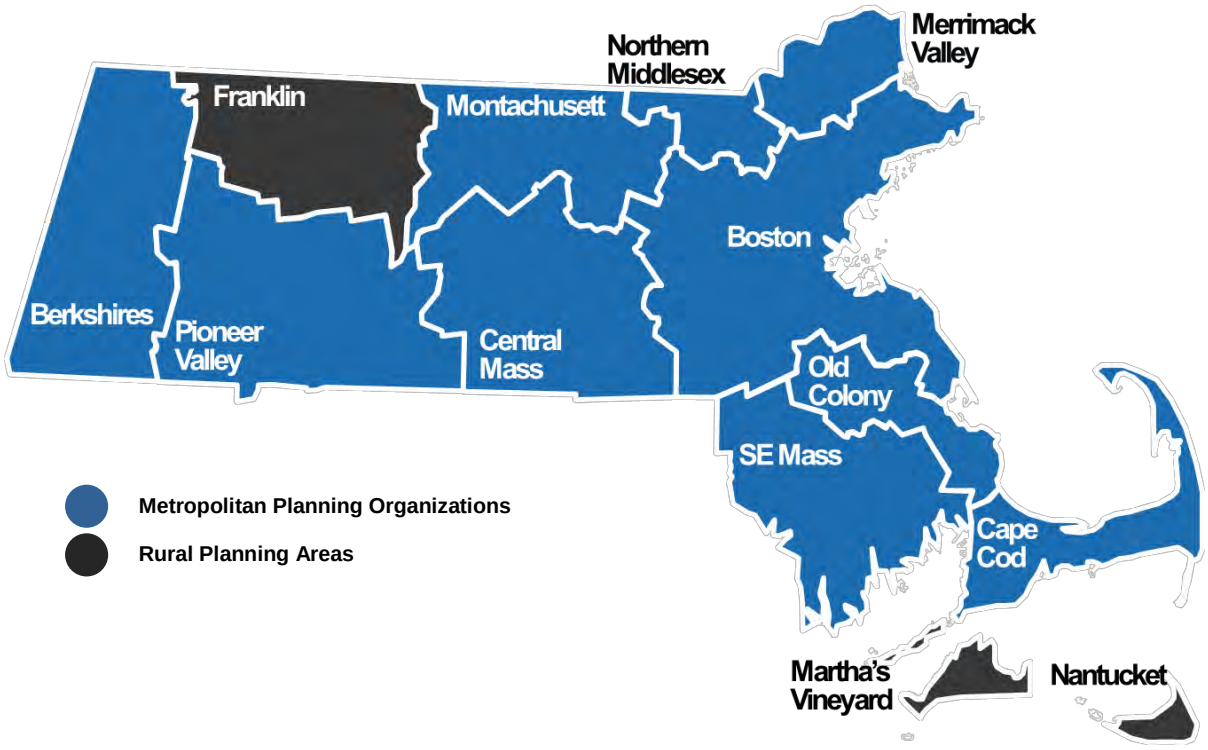


Figure 1 - MPOs in Massachusetts

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 a decision-making body comprised of representatives from state agencies, RTAs, and municipalities, which makes decisions on transportation investment programming. By contrast, the RPA serves as a member of the MPO, and hired by MassDOT to serve as staff providing transportation planning, data collection and analysis to support the MPO's decision-making. For the Boston MPO, MassDOT has hired an independent group, the Central Transportation Planning Staff (CTPS), to serve as the primary staff for the MPO. However, the Metropolitan Area Planning Council (MAPC), the Boston area RPA, also performs some of the Boston 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 four-year program of capital investments that reflects the needs of the regional transportation system. Under federal regulations, the TIP must be constrained to available funding, consistent with the 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 a roadway component and a transit component.

What is the STIP development timeline?

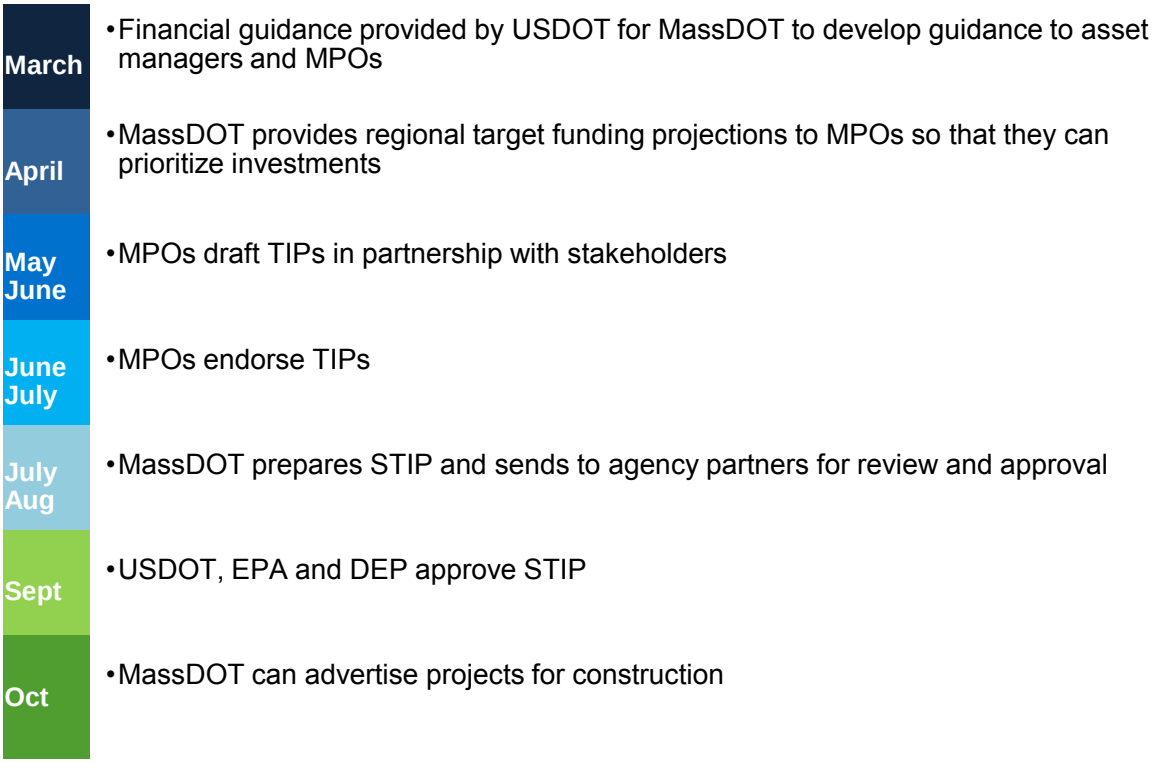


Figure 2 - STIP development timeline

How are regional target funds set for the TIPs?

Each spring, MassDOT receives a funding "authorization" or estimate of total federal funding availability from the Federal Highway Administration (FHWA). In recent years, this authorization has been approximately $600 million (with redistribution). Congress reviews the authorization during its budgeting process and sets a ceiling on how much can be spent from that authorization. This ceiling, called an obligation limitation, limits MassDOT's ability to spend federal funding beyond the obligation limitation set by Congress.

A portion of the federal highway funding allocated to Massachusetts is directly transferred to the Accelerated Bridge Program GANs repayments, and then non-federal match is added. MassDOT Highway Division, MassDOT Planning, and FAPRO jointly examine the remaining funding along with non-federal match and determine what amount is required for statewide needs, such as Interstate

Maintenance, district-wide contracts, planning, and transportation demand management. After funding for statewide needs is determined, the remainder is distributed to the MPOs by formula as "regional target funds" for the regional TIPs (see Figure 3). The MPO distribution is determined according to a formula that is primarily based on the MPO's road mileage, employment 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." Funding for RTAs is formula based from FTA.

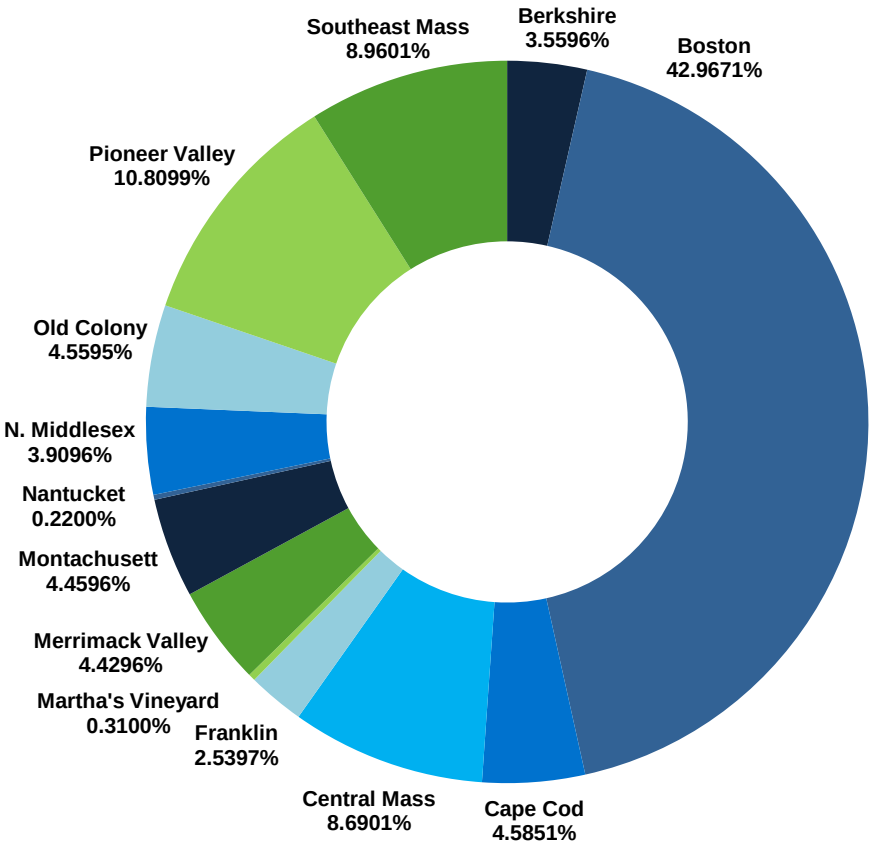


Figure 3 - Regional target funding share by MARPA formula

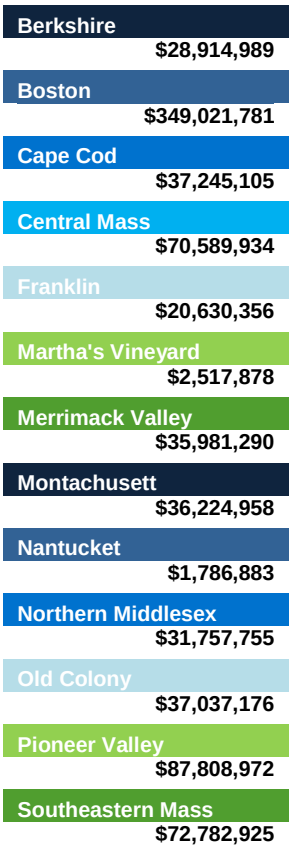


Figure 4 - Regional target funding 2016-2019

How is a TIP developed?

Development of a TIP is a cooperative effort among MPO members, communities, and elected officials. The MPO staff and MassDOT jointly manage the roadway, bridge and intermodal portion of the TIP. MassDOT Planning and Highway Division District offices generally represent the MassDOT Secretary & CEO and the Highway Division during the development of the TIP. The Chief Engineer, Highway Design Engineering, Right of Way, and Environmental groups also participate in the development of the TIP through an annual "TIP Day" in which recommendations concerning proposed investments are made to MPO staff.

The TIP development process begins with a public announcement and solicitation of investments from community partners to be recommended for TIP programming. Based on public input and a scoring of projects, the MPO staff and MassDOT develop a preliminary proposal for highway investments to be funded. The RTA also works with the MPO staff and MassDOT to develop a preliminary proposal for transit investments to be funded. The MPO provides comments on these proposals, makes changes as needed, and votes to release the proposals for a thirty-day public comment period. During the public comment period, the TIP is reviewed by the MPO's advisory committee and adjusted based on public comment. Finally, the MPO meets to formally endorse the TIP. All the regional TIPs are then compiled into the State Transportation Improvement Program. The TIP must be in place every year by October 1st, the first day of the federal fiscal year.

What is the role of advisory committees?

These advisory committees provide comments to the MPOs on regional transportation issues and normally 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. MassDOT Planning is an active, though non-voting, member of these advisory committees as they advise the MPOs on regional priorities. Likewise, the advisory committees themselves are important, as their recommendations are often indicative of public support for TIP investments.

Should federal aid and non-federal aid projects be programmed in the STIP?

The STIP is a requirement of federal planning regulations, which do not require the inclusion of non-federal aid (NFA) investments. However, many investments programmed on the regional TIPs include both federal aid and NFA funding sources. Major NFA investments may also affect federally-regulated air quality conformity, and must therefore also be listed in the STIP.

How are projects added or subtracted from the STIP?

The STIP is a "living" document and is likely to be modified during the course of the year. MPOs must be involved in the decision to add or remove projects from the TIP. This typically requires formal MPO endorsement of 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 a less formal MPO notification process. MPO staff advises on which procedure is needed based on the 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 thirty days. This kind of amendment would be triggered when a project is added or subtracted, increased in cost beyond ten percent, or significantly changed in scope. Changes to funding sources, minor description changes or cost modifications below ten percent would be considered an adjustment and would not trigger a public comment period. To be notified about STIP amendments, please sign-up through the STIP webpage located at:

http://www.massdot.state.ma.us/planning/Main/StatewidePlans/StateTransportationImprovementProgram.aspx.

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 http://www.massdot.state.ma.us/OfficeofCivilRights/TitleVI.aspx .

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

Title II of the Americans with Disabilities Act (ADA) requires that all MassDOT programs, services, activities, and facilities be accessible to people with disabilities. In the STIP context, this accessibility obligation reaches 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 above Title VI Notice to Beneficiaries.

Federal Emphasis Areas

Transition to Performance Based Planning

The Federal Highway Administration (FHWA) is currently working with states and planning organizations to transition to a performance based approach to carrying out the Federal Highway Program known as Transportation Performance Management. Transportation Performance Management represents the opportunity to prioritize needs, and align resources for optimizing system performance in a collaborative manner. This transition supports the current federal transportation authorization "Moving Ahead for Progress in the 21st Century," also known as MAP-21. This legislation integrates performance management into many federal transportation programs and contains several elements. The national performance goals for the Federal highway programs as established in MAP-21 are as follows:

Figure 5 - National performance goals from MAP-21

Models of Regional Planning Cooperation

The Models of Regional Planning Cooperation initiative from FHWA seeks to develop multi-jurisdictional transportation plans and agreements to improve communication, collaboration, policy implementation, technology use, and performance management across agency boundaries. The goal is an enhanced process for effective communication used by state DOTs, MPOs, and transit authorities which can result in improved collaboration, policy implementation, technology use, and performance management. MassDOT collaborates with our MPO partners and RTAs throughout the year, but most intensively through the Massachusetts Association of Regional Planning Agencies (MARPA), including the Transportation Managers' Group and the Massachusetts Association of Regional Transit Authorities (MARTA).

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 reinforces the point that the 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.

2016-2019 STIP Overview

The 2016-2019 STIP has prioritized investments in all of our transportation modes – roadways, bicycle networks, sidewalks, and transit systems – so MassDOT and our regional partners can continue improving the transportation system our customers rely on making it robust, more reliable, resilient, and ready to promote economic development, livability, and sustainability.

Public Outreach

Over the course of the past year, our MPOs and regional partners have held, or been a part of, many public meetings to discuss the development of their TIPs. A total of 135 such meetings occurred across the Commonwealth, providing ample 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 in 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 the state, of regional partners, of communities, and of the public at large.

Public participation

Public Participation in STIP Development

Opportunities to Set Priorities

Why is public participation important?

To successfully achieve desired outcomes of our transportation system – such as economic development, quality of life, sustainable mobility, access to jobs, education, medical care, recreation and goods and services – MassDOT needs a robust program of public involvement to help identify transportation needs and priorities to accomplish our goals. This requires the full inclusion of residents and businesses to gain a diversity of perspectives from across the Commonwealth to influence the transportation planning process. MassDOT employs two strategies to encourage this participation: statewide and regionally based engagement through our MPO partners.

How are transportation investments identified?

Transportation investments for our roadways, bridges, bicycle facilities, and sidewalks are identified when our customers communicate their needs and priorities to MassDOT and local communities, often through planning studies. That public comment and feedback, coupled with MassDOT's asset management activities, creates an inventory of needs to be evaluated for strategic investment into our transportation system at the local and statewide level.

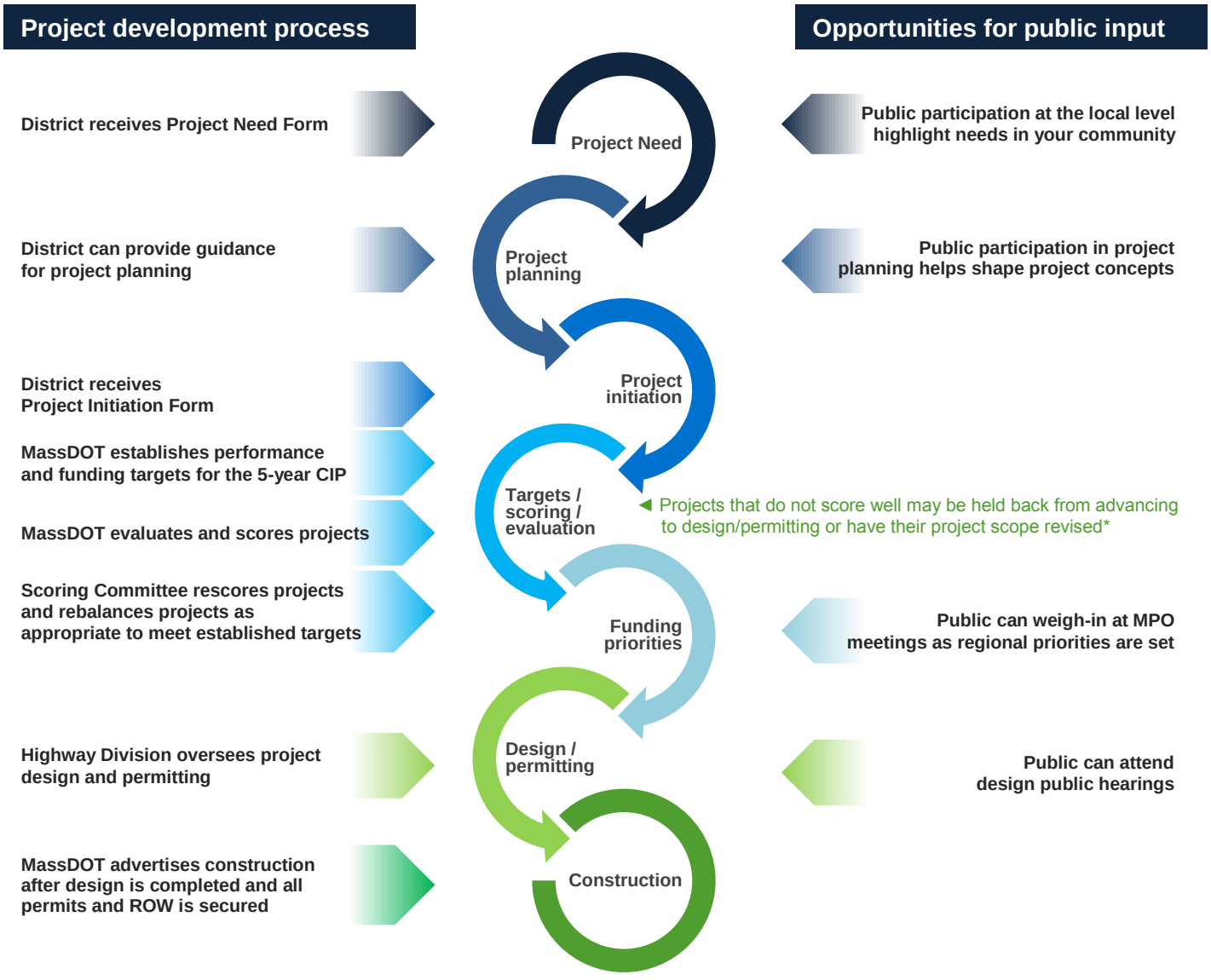
How are projects developed?

Projects are identified and initiated by communities and MassDOT to address the inventory of needs, when seeking federal funds to pay for investments, though the MassDOT Highway Division Project Development Process. Communities will formulate a project concept based on need; and before presenting the project concept to MassDOT, are expected to engage residents and businesses to further refine the needs and goals of the project. The project is then presented to MassDOT for formal acceptance into the project development process. Upon acceptance, projects proceed to design, where there are additional opportunities for the public to weigh-in at design public hearings.

How are projects prioritized?

As projects progress through the development process, funding needs to be identified for construction. Though projects are associated with a demonstrated need, there is not enough funding to construct every project. Therefore, MassDOT and MPOs utilize a prioritization process to evaluate the merits of each project to prioritize STIP investments. MPOs use established Transportation Evaluation Criteria to score projects and MassDOT utilizes asset management systems. After evaluation, MPOs convene to set the priorities for the regional TIP. Stakeholders including community based organizations, advocates and social services are encouraged to participate in the project prioritization process to ensure that the views and opinions of all transportation users are incorporated into the decision making process.

Figure 6 - Project development timeline 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.*

How are transit investments prioritized?

RTAs often work independently through their established planning processes, which include opportunities for public participation to help establish priorities. Recent examples include the ongoing Comprehensive Service Analyses that are being conducted by the RTAs to assess regional transit needs. RTAs also partner with communities and MPOs through planning activities when identifying discrete opportunities to improve services. RTAs identify their federal formula funds to address needs of the region and advance their element of the regional TIP to the MPO for consideration. The MPO public participation process is then utilized by the RTAs as their engagement mechanism. For TIP programming the RTAs, MPOs and the Rail & Transit Division use a new grants management database, GrantsPlus, to input funding requests, provide approvals, and create TIP documents. The introduction of GrantsPlus has improved collaboration and streamlined the programming process.

How do MPOs involve the public?

Each of the MPOs utilizes their approved Public Participation Plan (PPP) to facilitate and guide public 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 MPO 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.

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 programs of the MPOs to gain feedback and hear regional perspectives. Once the STIP is assembled, a draft version is published on MassDOT's website (http://www.massdot.state.ma.us/planning/Main/StatewidePlans/StateTransportationImprovementProgram.aspx) and MPOs are requested to inform their stakeholders of the opportunity to provide comments. The STIP webpage provides an option to sign up for notifications of changes to the STIP, which is an excellent resource for the Commonwealth's residents to remain informed and up to date on transportation projects throughout the Commonwealth. After the close of a 30-day public comment period, MassDOT summarizes and considers all comments received, and includes copies of the comments received in an appendix to the STIP.

How do I participate?

Anyone can be added to an MPO's public outreach contact list by contacting the MPO. Receiving updates from an MPO is an excellent way for community members to stay up to date on transportation projects and planning studies in their region. During the development of a regional TIP, members of the public are encouraged to participate in the selection and programming of projects. Information about the TIP project development process, schedule of workshops, and meetings are available on each of the MPO's websites.

Investments - highway

Highway Funding Overview

The Federal Highway Administration (FHWA) provides funding for investments in the Commonwealth's multimodal transportation system. MassDOT allocates the federal highway funding between "regional target funding," which is subsequently programmed by the MPOs for regional priority projects, and funding allocated by MassDOT for use principally on the state-owned transportation system. Each MPO's regional target funding is composed of its respective share of Surface Transportation Program (STP), 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 funding from all the federal highway sources listed below.

National Highway Performance Program (NHPP)

NHPP provides funding for the condition and performance of the National Highway System (NHS), including construction on the NHS, Interstate and non-Interstate routes and bridges. These investments ensure that federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets. NHPP investments must be used on eligible facilities and support progress toward achievement of national performance goals for improving infrastructure condition, safety, mobility, or freight movement on the NHS. Use of NHPP investments must be consistent with Metropolitan and Statewide planning requirements.

Highway Safety Improvement Program (HSIP)

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 a given state's data-driven State Strategic Highway Safety Plan (SHSP) and corrects or improves a hazardous road location, features or addresses a highway safety problem.

Surface Transportation Program (STP)

STP provides flexible funding that may be used by states and regions for projects to preserve and improve the conditions and performance on any federal-aid highway, bridge, or tunnel, projects located 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 Commonwealth's STP funds are distributed to areas based on population (sub-allocated), with the remainder to be used in any area of the Commonwealth. A portion of STP funds (equal to 15 percent of a State's FY 2009 Highway Bridge Program apportionment) is to be set aside for bridges not located on Federal-aid highways (off-system bridges), unless the Secretary determines the State has insufficient needs to justify this amount.

Figure 7 - Federal highway funding by program 2016-2019, in millions

	2016	2017	2018	2019
Base federal highway funding	550.00	550.00	550.00	550.00
Redistribution funding (estimated by FHWA)	50.00	50.00	50.00	50.00
Total obligation authority ►	**600.00**	**600.00**	**600.00**	**600.00**
Accelerated Bridge Program GANs repay	44.44	59.15	68.46	73.53
Total federal funding w/ match ►	**680.24**	**663.14**	**651.66**	**656.84**
Statewide infrastructure items ▼	**234.57**	**232.69**	**223.56**	**232.63**
Infrastructure	*17.50*	*7.00*	*7.00*	*3.70*
Statewide HSIP	*30.56*	*24.44*	*26.67*	*26.67*
SRTS	*7.57*	*6.25*	*6.25*	*6.25*
Statewide CMAQ	*37.31*	*43.79*	*48.00*	*55.45*
Transportation enhancements	*5.81*	*0.00*	*0.00*	*0.00*
Intelligent Transportation Systems	*13.10*	*18.00*	*14.90*	*25.00*
Interstate maintenance	*75.93*	*70.54*	*66.99*	*72.06*
National Highway System preservation	*26.70*	*43.67*	*38.75*	*35.00*
Railroad grade crossings	*8.50*	*10.00*	*6.00*	*4.75*
Stormwater retrofits	*7.59*	*5.63*	*7.06*	*2.25*
ADA implementation plan	*4.00*	*3.38*	*1.94*	*1.50*
Other statewide items ▼	**38.27**	**65.50**	**64.25**	**59.30**
Award adjustments, change orders, etc.	*15.27*	*31.25*	*31.25*	*27.55*
Planning	*21.00*	*32.25*	*31.00*	*29.75*
Recreational trails	*1.00*	*1.00*	*1.00*	*1.00*
DBEs, Misc programs	*1.00*	*1.00*	*1.00*	*1.00*
Design and right of way	*0.00*	*0.00*	*0.00*	*0.00*
Regional major infrastructure projects ▼	**84.49**	**9.00**	**0.00**	**0.00**
Regional major infrastructure projects	*84.49*	*9.00*	*0.00*	*0.00*
Statewide bridge program ▼	**148.73**	**149.17**	**148.08**	**146.01**
Bridge maintenance program	*10.00*	*10.00*	*10.00*	*10.00*
Bridge replacement and rehabilitations	*132.48*	*132.92*	*131.83*	*129.76*
Bridge inspections	*6.25*	*6.25*	*6.25*	*6.25*
Regional target funding for MPOs ▼				
Regional CMAQ	*31.25*	*31.25*	*31.25*	*31.25*
Regional HSIP	*10.00*	*10.00*	*10.00*	*10.00*
Regional TAP	*9.96*	*9.96*	*9.96*	*6.60*
Regional non-CMAQ/HSIP/TAP	*123.36*	*155.36*	*164.36*	*167.73*
Target funding split by formula ▼	**174.57**	**206.58**	**215.58**	**215.58**
Berkshire MPO	*6.21*	*7.35*	*7.67*	*7.67*
Boston MPO	*75.01*	*88.76*	*92.63*	*92.63*
Cape Cod MPO	*8.00*	*9.47*	*9.88*	*9.88*
Franklin TPO	*4.43*	*5.25*	*5.47*	*5.47*
Martha's Vineyard	*0.54*	*0.64*	*0.67*	*0.67*
Merrimack Valley MPO	*7.73*	*9.15*	*9.55*	*9.55*
Montachusett MPO	*7.79*	*9.21*	*9.61*	*9.61*
Nantucket	*0.38*	*0.45*	*0.47*	*0.47*
Northern Middlesex MPO	*6.83*	*8.08*	*8.43*	*8.43*
Old Colony MPO	*7.96*	*9.42*	*9.83*	*9.83*
Pioneer Valley MPO	*18.87*	*22.33*	*23.30*	*23.30*
Southeastern Mass MPO	*15.64*	*18.51*	*19.32*	*19.32*

FHWA advised MassDOT to plan for level funding

MassDOT repayment of bonds for Accelerated Bridge Program

Funding shifted to regional target funding starting in 2017 – see figure 8

MPOs prioritize projects that utilize CMAQ, HSIP, and STP TAP funds

The % breakdown can be found in Figure 3

Funding shown here for regions includes CMAQ, HSIP, TAP and STP

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 Clean Air Act. Funding is available to 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 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 represent MassDOT, Massachusetts Department of Environmental Protection (DEP), USDOT, U.S. Environmental Protection Agency (EPA), and the MPOs. In addition to funding MPO-selected investments, MassDOT has a statewide CMAQ program. The Commonwealth uses the statewide CMAQ program as a way to support a number of projects and initiatives, including the increased use of alternative fuels; construction of shared-use paths, and the MassRIDES Travel Options program.

Transportation Alternatives Program (TAP)

TAP is a competitive program that funds a variety of transportation investment types, including projects that previously would have been eligible for funding under formally separate funding programs including: Transportation Enhancements, Recreational Trails, and Safe Routes to School programs. TAP funds are split 50/50 between a statewide allocation of the funds and to nine of the MPOs in the Commonwealth. The Berkshire, Franklin, Martha's Vineyard and Nantucket regions are too small in population to be allocated TAP funds directly per MAP-21. MassDOT prioritizes Safe Routes to School investments sponsored by communities and the MPOs use their Transportation Evaluation Criteria to select their TAP investments. MassDOT and MPOs are not eligible project sponsors.

Earmarks

Certain funding categories are investment-specific, i.e. funds are 'earmarked' only for use in the development of that investment. These earmarks had been included in federal transportation authorizations and annual appropriations. This practice has since ended in Congress, though some earmarks are still available for their designated investment.

What is fiscal constraint and year of expenditure?

Each year, MassDOT demonstrates and reports that the STIP is in fiscal constraint by taking the beginning balances of previously unspent federal-aid, adding the estimated annual apportionments of additional funding provided by Congress annually, and subtracting the projected annual obligations of the investments identified in the STIP. The STIP is then fiscally constrained in two ways. The first constraint is that our investments do not exceed the annual STIP obligational authority (OA). OA is defined as the total amount of funds that may be obligated in a given fiscal year, which is typically $600 million. The second constraint is that a zero or positive balance is maintained for each funding type (CMAQ, NHPP, STP, etc.) for each year of the STIP. See Appendix 3 for fiscal constraint tables for highway and transit. Year of expenditure is a mechanism to ensure that inflation is considered in project cost estimates. Each year after 2016, a four percent inflation factor is applied to project cost estimates.

Figure 8 - Share of funding for regional priorities grows from 2016-2019

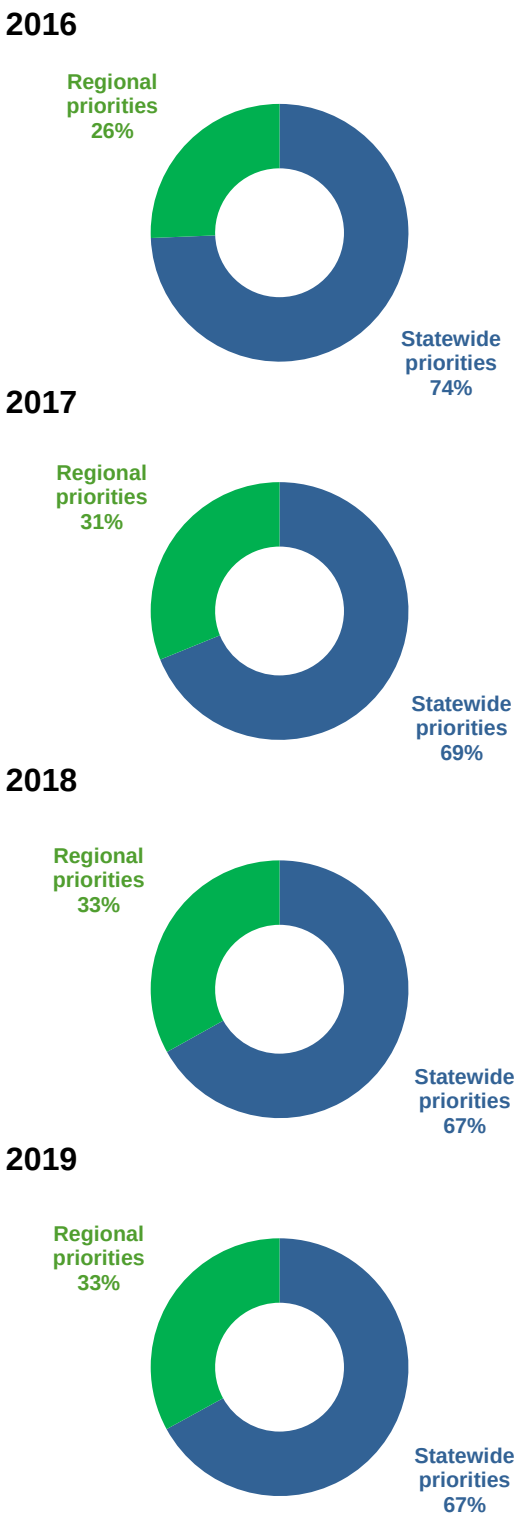
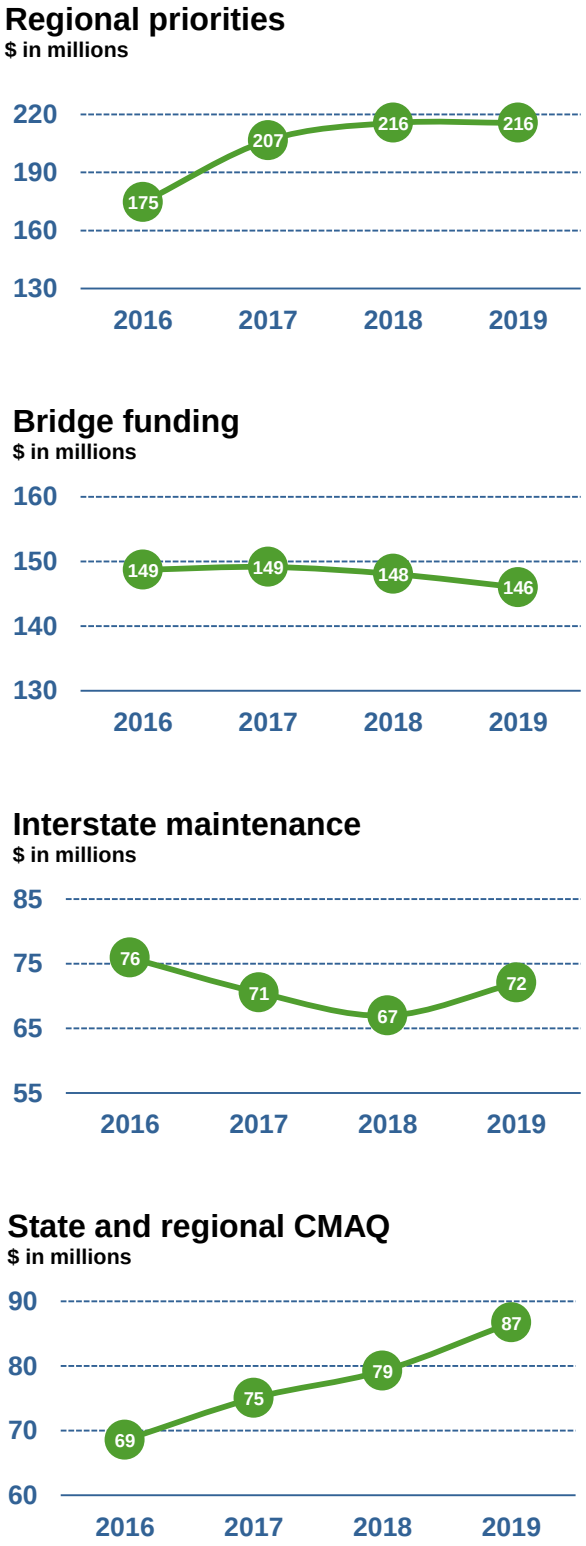


Figure 9 – Funding for highlighted priorities 2016-2019



What is advanced construction?

Advanced construction (AC) allows MassDOT to begin a project in advance of receiving the federal-aid needed to cover the federal share of project costs. AC eliminates the need to set aside full obligation authority before starting projects. The following federal fiscal year(s), MassDOT would set aside sufficient federal-aid to cover the remainder of the project costs. The benefit of AC is that a greater number of projects can be undertaken than otherwise possible and project outcomes can be enjoyed by transportation customers sooner.

Non-Federal Funding

Transportation Bond Bill Funding

The Massachusetts Legislature passes transportation bond bills to provide resources for investments into our transportation system. This legislation provides the Administration with authorization for the issuance of bonds to support transportation capital expenditures. These expenditures include matching funds for federally-funded TIP and STIP investments; Chapter 90 reimbursement funds for local transportation projects; and bond authorizations for specific projects identified through the legislative process. The Administration issues bonds at its discretion, subject to legislative authorization in the transportation bond bill and subject to overall "bond cap" limits on the Commonwealth's debt obligations.

Chapter 90

The Chapter 90 program entitles municipalities to reimbursement for capital improvement projects for highway construction, preservation, and improvement 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 the municipality can allocate among any eligible infrastructure investments. Therefore, the Chapter 90 program provides municipalities with a high level of local control over infrastructure spending. Over the past seven state fiscal years, over $1.4 billion has been invested into our local infrastructure.

Figure 12 - Chapter 90 apportionments, in millions

Highway Investments

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2018 – page 65

2019 – page 79

2016

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 / FEDERAL AID TARGET PROJECTS										
CMAQ - Congestion Mitigation and Air Quality Improvement Program										
2016	607900	BERKSHIRE	PITTSFIELD	PITTSFIELD- TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS AT CENTER STREET AND WEST HOUSATONIC STREET (ROUTE 20)	1	CMAQ	$1,114,036	$891,229	$222,807	CMAQ + HSIP; Total Cost = 1,470,000; MPO evaluation score 6 of 7; Design Status: <25%
2016	606117	BOSTON	BOSTON	BOSTON - TRAFFIC SIGNAL IMPROVEMENTS AT 10 LOCATIONS	6	CMAQ	$1,000,000	$800,000	$200,000	CMAQ+STP Total Cost = $4,654,920
2016	605721	BOSTON	WEYMOUTH	WEYMOUTH- INTERSECTION IMPROVEMENTS @ MIDDLE STREET, LIBBEY INDUSTRIAL PARKWAY AND TARA DRIVE	6	CMAQ	$937,326	$749,861	$187,465	
2016	1569	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	NA	CMAQ	$8,100,000	$6,480,000	$1,620,000	Yr 1 of 6; CMAQ+STP Total Cost = $190,100,000 ($158,000,000 programmed within FFYs 2016-20 TIP)
2016	201601	CAPE COD	BARNSTABLE	BARNSTABLE - HYANNIS VILLAGER DEMONSTATION	5	CMAQ	$659,100	$527,280	$131,820	CMAQ -> FTA Transfer. Total programmed = $659,100. Year 1 of 3.
2016	201602	CAPE COD	MULTIPLE	CAPE COD BIKE RACK PROGRAM	5	CMAQ	$50,000	$40,000	$10,000	Total programmed = $50,000. Funds to be applied for by municipalities. Program specifics under development.
2016	606461	CAPE COD	ORLEANS	ORLEANS- INTERSECTION IMPROVEMENTS AT 2 LOCATIONS: CRANBERRY HIGHWAY (ROUTE 6A) AND MAIN STREET; CHATHAM ROAD (ROUTE 28) AND MAIN STREET.	5	CMAQ	$3,189,954	$2,551,963	$637,991	Total programmed = $3,547,482 = $3,189,954 CMAQ + $357,528 TAP. 100% design completed. CMAQ analysis completed. Project schedule adjusted due to right of way acquisition timing. Municipality is proponent.
2016	606207	CENTRAL MASSACHUSETTS	SPENCER	SPENCER - REHABILITATION ON ROUTE 9 (MAIN STREET), FROM HIGH STREET TO GROVE STREET	3	CMAQ	$1,610,000	$1,288,000	$322,000	Construction / Design Status = 25% / TEC Score = 5.1 / HSIP + CMAQ + TAP Total Project Cost = $3,207,000
2016	604864	CENTRAL MASSACHUSETTS	WESTBOROUGH	WESTBOROUGH - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 9 & LYMAN STREET	3	CMAQ	$3,805,000	$3,044,000	$761,000	Construction / TEC Score = 7.9 / Design Status = PRE75% / HSIP+CMAQ Total Project Cost = $6,278,000
2016		FRANKLIN	MULTIPLE	FRCOG Bicycle Parking Program		CMAQ	$50,000	$40,000	$10,000	Construction/implementation phase. FRCOG will develop and implement a bicycle parking program.
2016	607586	MARTHA'S VINEYARD	MULTIPLE	EDGARTOWN, OAK BLUFFS, and TISBURY - Drainage improvements on Edgartown-Vineyard Haven Road. Safety improvements in various locations.	5	CMAQ	$96,865	$77,492	$19,373	
2016	606161	MERRIMACK VALLEY	HAVERHILL	HAVERHILL - IMPROVEMENTS ON MAIN STREET (ROUTE 125)	4	CMAQ	$1,384,237	$1,107,390	$276,847	Total Project Cost = $3,026,676 FY 2016 STP + FY 2016 CMAQ (Construction) TEC = 9.32 out of 18 (C)

2016										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	604699	MONTACHUSETT	STERLING	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	3	CMAQ	$1,393,611	$1,114,889	$278,722	STP/HSIP/CMAQ; Total Cost = $4,700,000 (as of 6/4/15); Construction; TEC 39 of 100; 25% Design Due 4/7/15; MassDOT Boston Design; HSIP & CMAQ Eligible;
2016	606433	NANTUCKET	NANTUCKET	NANTUCKET- MULTI-USE PATH CONSTRUCTION, FROM WASHINGTON STREET TO ORANGE STREET	5	CMAQ	$68,743	$54,994	$13,749	AC Yr 2 of 2 Total in FFY 2016 (STP + CMAQ) = $362,029. Estimated Total Construction Cost = $1,274,882.55. AC Yr 1 of 2 Total in FFY 2015 (STP + CMAQ + statewide CMAQ) = $924,832.
2016	607251	NORTHERN MIDDLESEX	WESTFORD	WESTFORD-INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 110 & TADMUCK RD	3	CMAQ	$2,781,640	$2,225,312	$556,328	Total Project Cost Estimate = $3,200,000; CMAQ, TAP; TEC = 6.50; Construction
2016	606036	OLD COLONY	BROCKTON	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE	5	CMAQ	$3,541,396	$2,833,117	$708,279	YOE is $3,541,396; 75% Design; TEC Score is 8.10
2016		PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD - UNION STATION REDEVELOPMENT	2	CMAQ	$750,873	$600,698	$150,175	$1.7M CMAQ commitment over 3 years toward Phase I of project $65.7 total
2016	605385	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- SIGNAL & INTERSECTION IMPROVEMENTS @ ROOSEVELT AVENUE & ISLAND POND ROAD, ROOSEVELT AVENUE & ALDEN STREET	2	CMAQ	$1,216,380	$973,104	$243,276	62.5 TEC Score 25% (YOE $2,297,372) CMAQ, HSIP
2016	604968	PIONEER VALLEY	WESTFIELD	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION, NORTH SECTION - FROM COWLES COURT ACCESS RAMPS TO THE WESTFIELD RIVER BRIDGE INCLUDES REHAB OF W-25-036 (WESTFIELD RIVER CROSSING)	2	CMAQ	$300,000	$240,000	$60,000	38.83 TEC 75% HPP funds remaining (HPP -1656) $1,857,506 (Federal) (Total Cost $2,696,964) Total funding available $2,321,883, city will scale back project to the funding available. HPP, CMAQ
2016	605677	SOUTHEASTERN MASSACHUSETTS	MATTAPOISETT	MATTAPOISETT - MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY) FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	5	CMAQ	$578,110	$462,488	$115,622	CMAQ ($578,110) / TAP ($856,134) / Statewide CMAQ ($3,300,000) Total Cost = $4,734,244; Construction; EC Score 28 Of 93; Status Pre 100% - Plans Anticipated August 2015
2016	606910	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON COGGESHALL STREET, FROM PURCHASE STREET TO MITCHELL AVENUE	5	CMAQ	$1,000,000	$800,000	$200,000	CMAQ ($1,000,000) / HSIP ($896,010) / STP ($1,372,510)Total Cost = $3,268,520; Construction; EC Score 60 Of 93; Status 25% Design Public Hearing 07-08-2015

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	605679	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERSECTION IMPROVEMENTS AT COUNTY STREET (ROUTE 140) AND HART STREET	5	CMAQ	$1,956,239	$1,564,991	$391,248	CMAQ ($1,956,239) / Statewide CMAQ ($1,500,000) Total Cost = $3,456,239; Construction; EC Score 45 Of 93; Status 25% - Design Public Hearing Held 05-27-15
				CMAQ - CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM SUBTOTAL:			$35,583,510	$28,466,808	$7,116,702	

HSIP - Highway Safety Improvement Program

2016	607900	BERKSHIRE	PITTSFIELD	PITTSFIELD- TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS AT CENTER STREET AND WEST HOUSATONIC STREET (ROUTE 20)	1	HSIP	$355,964	$320,368	$35,596	CMAQ + HSIP; Total Cost = 1,470,000; MPO evaluation score 6 of 7; Design Status: <25%
2016	607409	BOSTON	LEXINGTON	LEXINGTON- RECONSTRUCTION ON MASSACHUSETTS AVENUE, FROM MARRETT ROAD TO PLEASANT STREET	4	HSIP	$2,600,000	$2,340,000	$260,000	TAP+HSIP Total Cost = $5,200,000
2016	601630	BOSTON	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	HSIP	$1,000,000	$900,000	$100,000	AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = $60,053,518
2016	608033	CAPE COD	BARNSTABLE	BARNSTABLE- LIGHTING & LANDSCAPING OF THE ROUNDABOUT AT THE MID-CAPE HIGHWAY (ROUTE 6) EASTBOUND EXIT RAMP & ROUTE 149	5	HSIP	$600,000	$540,000	$60,000	Total programmed = $600,000. Under design by MassDOT.
2016	606207	CENTRAL MASSACHUSETTS	SPENCER	SPENCER - REHABILITATION ON ROUTE 9 (MAIN STREET), FROM HIGH STREET TO GROVE STREET	3	HSIP	$900,000	$810,000	$90,000	Construction / Design Status = 25% / TEC Score = 5.1 / HSIP + CMAQ + TAP Total Project Cost = $3,207,000
2016	604864	CENTRAL MASSACHUSETTS	WESTBOROUGH	WESTBOROUGH - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 9 & LYMAN STREET	3	HSIP	$2,472,796	$2,225,516	$247,280	Construction / TEC Score = 7.9 / Design Status = PRE75% / HSIP+CMAQ Total Project Cost = $6,278,000
2016	607539	FRANKLIN	SHELBURNE	SHELBURNE- INTERSECTION IMPROVEMENTS @ ROUTE 2 & COLRAIN/SHELBURNE ROAD	1	HSIP	$520,000	$468,000	$52,000	Design Status - preliminary. TEC = 4.0
2016	607246	FRANKLIN	ERVING	ERVING- INTERSECTION IMPROVEMENTS AT ROUTE 2 & 2A	2	HSIP	$52,799	$47,519	$5,280	Construction Phase. Project to be funded with a combination of HSIP and STP. Total project cost $600,000. Design Status - 25%. TEC = 5.9. RSA completed Feb 2013.
2016	607586	MARTHA'S VINEYARD	MULTIPLE	EDGARTOWN, OAK BLUFFS, and TISBURY - Drainage improvements on Edgartown-Vineyard Haven Road. Safety improvements in various locations.	5	HSIP	$30,997	$27,897	$3,100	
2016	604699	MONTACHUSETT	STERLING	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	3	HSIP	$445,955	$401,360	$44,596	STP/HSIP/CMAQ; Total Cost = $4,700,000 (as of 6/4/15); Construction; TEC 39 of 100; 25% Design Due 4/7/15; MassDOT Boston Design; HSIP & CMAQ Eligible;

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	608085	OLD COLONY	AVON	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	5	HSIP	$460,000	$414,000	$46,000	YOE is $460,000; Pre 25% Design; TEC Score is 2.15
2016	605385	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- SIGNAL & INTERSECTION IMPROVEMENTS @ ROOSEVELT AVENUE & ISLAND POND ROAD, ROOSEVELT AVENUE & ALDEN STREET	2	HSIP	$1,080,992	$972,893	$108,099	62.5 TEC Score 25% (YOE $2,297,372) CMAQ, HSIP
2016	606910	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON COGGESHALL STREET, FROM PURCHASE STREET TO MITCHELL AVENUE	5	HSIP	$896,010	$806,409	$89,601	CMAQ ($1,000,000) / HSIP ($896,010) / STP ($1,372,510)Total Cost = $3,268,520; Construction; EC Score 60 Of 93; Status 25% Design Public Hearing 07-08-2015
				HSIP - HIGHWAY SAFETY IMPROVEMENT PROGRAM SUBTOTAL:			$11,415,513	$10,273,962	$1,141,552	

Non-CMAQ/HSIP/TAP (Other)

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	602280	BERKSHIRE	DALTON	DALTON- RECONSTRUCTION OF HOUSATONIC STREET, FROM ROUTE 8 & 9 TO ROUTE 8	1	STP	$4,744,248	$3,795,398	$948,850	AC - Year 2 of 3; STP + CMAQ + Statewide CMAQ; Total Cost = 11,181,141; MPO evaluation score 4 of 7; Design Status: 100%
2016	29492	BOSTON	MULTIPLE	BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III)	4	STP	$21,691,442	$17,353,154	$4,338,288	AC Yr 1 of 2; STP+Northern Middlesex Council of Governments contribution ($1,000,000) Total Cost = $29,296,348
2016	606117	BOSTON	BOSTON	BOSTON - TRAFFIC SIGNAL IMPROVEMENTS AT 10 LOCATIONS	6	STP	$3,654,920	$2,923,936	$730,984	CMAQ+STP Total Cost = $4,654,920
2016	603711	BOSTON	NEEDHAM	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	6	NHPP	$29,626,133	$23,700,906	$5,925,227	AC Yr 3 of 5; NHPP+BR+Statewide Infrastructure Total Cost = $164,919,140 ($56,154,316 programmed within FFYs 2016-20 TIP)
2016	601630	BOSTON	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	STP	$3,800,000	$3,840,000	$960,000	AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = $60,053,518
2016	606596	CAPE COD	CHATHAM	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	5	STP	$2,735,090	$2,188,072	$547,018	Total programmed = $2,735,090. 25% design plans submitted.
2016	607571	CAPE COD	DENNIS	DENNIS- YARMOUTH- CONSTRUCTION OF A MULTI-USE PATH OVER THE BASS RIVER, INCLUDES NEW PEDESTRIAN BRIDGE D-07-007=Y-01-010	5	STP	$307,026	$245,621	$61,405	Total programmed = $2,403,106 =$2,096,080 from TI 173 MA 209 + $307,026 STP. Bass River Bridge portion of CCRT Dennis-Yarmouth extension.
2016	606686	CENTRAL MASSACHUSETTS	WARREN	WARREN - RESURFACING AND RELATED WORK ON ROUTE 67 @ WEST WARREN AND WARREN TOWN CENTERS	2	STP	$1,200,000	$960,000	$240,000	Construction / Design Status = 100% / TEC Score = 1.7 / Total Project Cost = $1,200,000

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	604739	CENTRAL MASSACHUSETTS	WEST BROOKFIELD	WEST BROOKFIELD - RECONSTRUCTION ON ROUTE 9, ROUTE 67 & INTERSECTIONS AT SCHOOL STREET	2	STP	$2,100,000	$1,680,000	$420,000	Construction / Design Status = 75% / TEC Score = 6.5 / Total Project Cost = $2,100,000
2016	603486	CENTRAL MASSACHUSETTS	BROOKFIELD	BROOKFIELD - RECONSTRUCTION OF ROUTE 148 (FISKDALE ROAD) FROM MOLASSES HILL ROAD TO STURBRIDGE T.L. INCL. WEBBER ROAD	3	STP	$2,230,000	$1,784,000	$446,000	Construction / Design Status = 100% / TEC Score = 2.8 / Total Project Cost = $2,230,000
2016	607246	FRANKLIN	ERVING	ERVING- INTERSECTION IMPROVEMENTS AT ROUTE 2 & 2A	2	STP	$547,201	$437,761	$109,440	Construction Phase. Project to be funded with a combination of HSIP and STP. Total project cost $600,000. Design Status - 25%. TEC = 5.9. RSA completed Feb 2013.
2016	601657	FRANKLIN	MONTAGUE	MONTAGUE- RECONSTRUCTION ON GREENFIELD ROAD, FROM 195' SOUTH OF SHERMAN DRIVE TO HATCHERY RD (2.0 MILES)	2	STP	$2,549,715	$2,039,772	$509,943	Construction Phase. Project will be funded AC over three years. Project advertised for construction 4/26/2014. AC year 3/3. Total project cost is $5,904,070. $574,180 was programmed in 2014, and $2,780,175 was programmed in 2015.
2016	607586	MARTHA'S VINEYARD	MULTIPLE	EDGARTOWN, OAK BLUFFS, and TISBURY - Drainage improvements on Edgartown-Vineyard Haven Road. Safety improvements in various locations.	5	STP	$413,266	$330,613	$82,653	
2016	606669	MERRIMACK VALLEY	AMESBURY	AMESBURY - POWWOW RIVERWALK CONSTRUCTION	4	STP	$176,029	$140,823	$35,206	Total Project Cost = $786,875 FY 2016 STP + FY 2016 TAP (Construction) TEC = 3.85 out of 18 (C) Project Proponent = City of Amesbury
2016	605114	MERRIMACK VALLEY	GROVELAND	GROVELAND - REHABILITATION OF ROUTE 97 (SCHOOL STREET & SALEM STREET)	4	STP	$2,040,502	$1,632,402	$408,100	AC Year 2 of 2. Total Project Cost = $6,341,761 to be converted to FA FY 2015 + FY 2016 (Construction) TEC = 6.72 out of 18. (M)
2016	606161	MERRIMACK VALLEY	HAVERHILL	HAVERHILL - IMPROVEMENTS ON MAIN STREET (ROUTE 125)	4	STP	$1,642,439	$1,313,951	$328,488	Total Project Cost = $3,026,676 FY 2016 STP + FY 2016 CMAQ (Construction) TEC = 9.32 out of 18 (C)
2016	604960	MONTACHUSETT	CLINTON	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	3	STP	$2,509,261	$2,007,409	$501,852	STP/TAP; Non Adjusted Total Cost = $5,494,460 as of 3/25/15; Construction; TEC 43 of 100; Adv on 11/1/14; CMAQ eligible; AC Yr 2 of 2; Yr 2 Non Adjusted Cost = $2,659,241;
2016	604699	MONTACHUSETT	STERLING	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	3	STP	$2,860,434	$2,288,347	$572,087	STP/HSIP/CMAQ; Total Cost = $4,700,000 (as of 6/4/15); Construction; TEC 39 of 100; 25% Design Due 4/7/15; MassDOT Boston Design; HSIP & CMAQ Eligible;

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	606433	NANTUCKET	NANTUCKET	NANTUCKET- MULTI-USE PATH CONSTRUCTION, FROM WASHINGTON STREET TO ORANGE STREET	5	STP	$293,286	$234,629	$58,657	AC Yr 2 of 2 Total in FFY 2016 (STP + CMAQ) = $362,029. Estimated Total Construction Cost = $1,274,882.55. AC Yr 1 of 2 Total in FFY 2015 (STP + CMAQ + statewide CMAQ) = $924,832.
2016	601426	NORTHERN MIDDLESEX	BILLERICA	BILLERICA - RECONSTRUCTION OF ALLEN RD, FROM RTE 3A TO WEBB BROOK RD (5,400 FEET)	4	STP	$2,976,437	$2,381,150	$595,287	AC Year 2 of 2 Total Project Cost $6,688,616; Funding Sources CMAQ, TAP, STP; TEC = 5.52; Construction
2016	604957	OLD COLONY	PEMBROKE	PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53	5	STP	$2,455,008	$1,964,007	$491,002	YOE is $2,455,008; PS&E Design; TEC Score is 7.00
2016	606445	PIONEER VALLEY	LONGMEADOW	LONGMEADOW- RESURFACING & RELATED WORK ON CONVERSE STREET, FROM LAUREL STREET TO DWIGHT STREET (2.04 MILES)	2	STP	$2,742,048	$2,193,638	$548,410	36.4 TEC Score 25%/75% ($2,742,048) STP
2016	608022	PIONEER VALLEY	MULTIPLE	BRIMFIELD- STURBRIDGE- RESURFACING & RELATED WORK ON ROUTE 20, BEGINNING EAST OF NEW HOLLAND ROAD (MM 87.8), ENDING WEST OF GALILEO DRIVE (MM 91.9)	2	STP	$3,500,000	$2,800,000	$700,000	22.5 TEC Score 75% $3,500,000 STP
2016	604446	PIONEER VALLEY	WESTFIELD	WESTFIELD- RECONSTRUCTION OF ROUTE 187 (LITTLE RIVER ROAD) AND SHAKER ROAD	2	STP	$5,258,683	$4,206,946	$1,051,737	46.5 TEC 100% $6,206,561 STP, TAP
2016	607869	PIONEER VALLEY	WILBRAHAM	WILBRAHAM- RECONSTRUCTION OF BOSTON ROAD (ROUTE 20) FROM DUDLEY STREET TO 400FT. EAST OF DUMAINE STREET (0.28MILES)	2	STP	$1,292,428	$1,033,942	$258,486	40 TEC Score 100% $1,292,428 STP
2016	606910	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON COGGESHALL STREET, FROM PURCHASE STREET TO MITCHELL AVENUE	5	STP	$1,372,510	$1,098,008	$274,502	CMAQ ($1,000,000) / HSIP ($896,010) / STP ($1,372,510)Total Cost = $3,268,520; Construction; EC Score 60 Of 93; Status 25% Design Public Hearing 07-08-2015
2016	606118	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - RECONSTRUCTION OF ROUTE 18 (JFK HIGHWAY), FROM COVE STREET TO GRIFFIN COURT (PHASE II)	5	STP	$6,607,218	$5,285,774	$1,321,444	Total Cost = $6,607,218; Construction; EC Score 54 Of 93; Status 25% Design Public Hearing 07-14-2015
				NON-CMAQ/HSIP/TAP (OTHER) SUBTOTAL:			$111,325,324	$89,860,259	$22,465,066	

TAP - Transportation Alternatives Program

2016	607409	BOSTON	LEXINGTON	LEXINGTON- RECONSTRUCTION ON MASSACHUSETTS AVENUE, FROM MARRETT ROAD TO PLEASANT STREET	4	TAP	$2,600,000	$2,080,000	$520,000	TAP+HSIP Total Cost = $5,200,000

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	606461	CAPE COD	ORLEANS	ORLEANS- INTERSECTION IMPROVEMENTS AT 2 LOCATIONS: CRANBERRY HIGHWAY (ROUTE 6A) AND MAIN STREET; CHATHAM ROAD (ROUTE 28) AND MAIN STREET.	5	TAP	$357,528	$286,022	$71,506	Total programmed = $3,547,482 = $3,189,954 CMAQ + $357,528 TAP. 100% design completed. CMAQ analysis completed. Project schedule adjusted due to right of way acquisition timing. Municipality is proponent.
2016	606207	CENTRAL MASSACHUSETTS	SPENCER	SPENCER - REHABILITATION ON ROUTE 9 (MAIN STREET), FROM HIGH STREET TO GROVE STREET	3	TAP	$697,000	$557,600	$139,400	Construction / Design Status = 25% / TEC Score = 5.1 / HSIP + CMAQ + TAP Total Project Cost = $3,207,000 / Project Proponent is Town of Spencer
2016	TAP03	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - WRTA STORMWATER MITIGATION	3	TAP	$156,000	$124,800	$31,200	Construction / TEC Score = .70 / Design Status = 100% / Total Project Cost = $156,000 / Project Proponent is WRTA
2016	606669	MERRIMACK VALLEY	AMESBURY	AMESBURY - POWWOW RIVERWALK CONSTRUCTION	4	TAP	$610,846	$488,677	$122,169	Total Project Cost = $786,875 FY 2016 STP + FY 2016 TAP (Construction) TEC = 3.85 out of 18 (C) Project Proponent = City of Amesbury
2016	604960	MONTACHUSETT	CLINTON	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	3	TAP	$149,980	$119,984	$29,996	STP/TAP; Non Adjusted Total Cost = $5,494,460 as of 3/25/15; Construction; TEC 43 of 100; Adv on 11/1/14; CMAQ eligible; AC Yr 2 of 2; Yr 2 Non Adjusted Cost = $2,659,241;
2016	607251	NORTHERN MIDDLESEX	WESTFORD	WESTFORD-INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 110 & TADMUCK RD	3	TAP	$418,360	$334,688	$83,672	Total Project Cost Estimate = $3,200,000; CMAQ, TAP; TEC = 6.50; Construction
2016	604446	PIONEER VALLEY	WESTFIELD	WESTFIELD- RECONSTRUCTION OF ROUTE 187 (LITTLE RIVER ROAD) AND SHAKER ROAD	2	TAP	$947,878	$758,302	$189,576	46.5 TEC 100% $6,206,561 STP, TAP The City of Westfield is the project proponent
2016	605677	SOUTHEASTERN MASSACHUSETTS	MATTAPOISETT	MATTAPOISETT - MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY) FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	5	TAP	$856,134	$684,907	$171,227	CMAQ ($578,110) / TAP ($856,134) / Statewide CMAQ ($3,300,000) Total Cost = $4,734,244; Construction; EC Score 28 Of 93; Status Pre 100% - Plans Anticipated August 2015
				TAP - TRANSPORTATION ALTERNATIVES PROGRAM SUBTOTAL:			$6,793,726	$5,434,980	$1,358,746	
				SECTION 1A / FEDERAL AID TARGET PROJECTS TOTAL:			$165,118,073	$134,036,009	$32,082,066	

SECTION 1B / FEDERAL AID BRIDGE PROJECTS

Statewide Bridge Inspection Program

2016	BRI	STATEWIDE	MULTIPLE	BRIDGE INSPECTION		NHPP	$6,250,000	$5,000,000	$1,250,000	

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
				STATEWIDE BRIDGE INSPECTION PROGRAM SUBTOTAL:			$6,250,000	$5,000,000	$1,250,000	
Statewide Bridge Maintenance Program										
2016	607511	BERKSHIRE	DALTON	DALTON- SYSTEMATIC BRIDGE MAINTENANCE, D-01-005, ROUTE 8 (MAIN ST.) OVER E. BRANCH HOUSATONIC RIVER	1	NHPP	$309,960	$247,968	$61,992	
2016	607516	STATEWIDE	MULTIPLE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2016)	2	NHPP	$1,849,978	$1,479,982	$369,996	
2016	607513	STATEWIDE	MULTIPLE	DISTRICT 5- BRIDGE CLEANING ON THE I-95, I-195 AND I-295 CORRIDORS	5	NHPP	$1,899,989	$1,519,991	$379,998	
2016	607498	STATEWIDE	MULTIPLE	DISTRICT 6- SYSTEMATIC BRIDGE MAINTENANCE ON SR 3 FOR (2016)	6	NHPP	$1,882,958	$1,506,367	$376,592	
				STATEWIDE BRIDGE MAINTENANCE PROGRAM SUBTOTAL:			$5,942,885	$4,754,308	$1,188,578	
Statewide Off-System Bridge Program										
2016	607116	BERKSHIRE	FLORIDA	FLORIDA- BRIDGE REPLACEMENT, F-05-002, SOUTH COUNTY ROAD OVER THE COLD RIVER	1	STP-BR-OFF	$2,921,400	$2,337,120	$584,280	
2016	603778	BERKSHIRE	LANESBOROUGH	LANESBOROUGH- BRIDGE REPLACEMENT, L-03-024, NARRAGANSETT AVENUE OVER PONTOOSUC LAKE	1	STP-BR-OFF	$2,178,000	$1,742,400	$435,600	
2016	605314	BERKSHIRE	NEW MARLBOROUGH	NEW MARLBOROUGH- BRIDGE REPLACEMENT, HADSELL ST ROAD OVER THE UMPACHENE RIVER	1	STP-BR-OFF	$2,693,454	$2,154,763	$538,691	
2016	605350	BERKSHIRE	WASHINGTON	WASHINGTON- BRIDGE REPLACEMENT, W-09-006, SUMMIT HILL RD OVER CSX R.R.	1	STP-BR-OFF	$2,200,000	$1,760,000	$440,000	
2016	607345	BOSTON	COHASSET	COHASSET- SUPERSTRUCTURE REPLACEMENT & SUBSTRUCTURE REHABILITATION, C-17-002, ATLANTIC AVENUE OVER LITTLE HARBOR INLET	5	STP-BR-OFF	$4,336,600	$3,469,280	$867,320	
2016	604468	CENTRAL MASSACHUSETTS	WEST BROOKFIELD	WEST BROOKFIELD - BRIDGE REPLACEMENT, W-19-008, WICKABOAG VALLEY ROAD OVER SUCKER BROOK	2	STP-BR-OFF	$2,798,400	$2,238,720	$559,680	Construction / Design Status = 25% / Total Project Cost = $2,798,400
2016	607113	CENTRAL MASSACHUSETTS	DUDLEY	DUDLEY - BRIDGE REPLACEMENT, D-12-009, CARPENTER ROAD OVER ABANDONED RR	3	STP-BR-OFF	$2,305,800	$1,844,640	$461,160	Construction / Design Status = TBD / Total Project Cost = $2,305,800
2016	606303	CENTRAL MASSACHUSETTS	RUTLAND	RUTLAND - BRIDGE SUPERSTRUCTURE REPLACEMENT, R-14-004, INTERVALE ROAD OVER EAST BRANCH OF WARE RIVER	3	STP-BR-OFF	$3,435,600	$2,748,480	$687,120	Construction / Design Status = TBD / Total Project Cost = $3,435,600
2016	607118	FRANKLIN	HEATH	HEATH- SUPERSTRUCTURE REPLACEMENT, H-14-009, SADOGA ROAD OVER THE BURRINGTON BROOK	1	STP-BR-OFF	$1,684,800	$1,347,840	$336,960	Construction Phase. Design Status - preliminary.
2016	602320	FRANKLIN	DEERFIELD	DEERFIELD- BRIDGE PRESERVATION, D-06-023, MCCLELLAN FARM ROAD OVER THE B&M RAILROAD	2	STP-BR-OFF	$6,477,190	$5,181,752	$1,295,438	Construction Phase. Design Status - 75%. Design Public Hearing held 11/18/2014.

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	607524	PIONEER VALLEY	MULTIPLE	BELCHERTOWN- WARREN BRIDGE DEMOLITION, B-05-023, W-07-012,(EAST MAIN STREET/NAULTAUG BROOK)	2	STP-BR-OFF	$2,477,738	$1,982,190	$495,548	25%
2016	607537	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- BRIDGE WORK, AIRPORT ROAD OVER ROUTE 24	5	STP-BR-OFF	$3,374,576	$2,699,661	$674,915	
				STATEWIDE OFF-SYSTEM BRIDGE PROGRAM SUBTOTAL:			$36,883,558	$29,506,846	$7,376,712	
Statewide On System Bridge Program										
2016	600703	BOSTON	LEXINGTON	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	4	NHPP	$5,108,000	$4,086,400	$1,021,600	AC Yr 4 of 4; Total Cost = $36,794.555
2016	603008	BOSTON	WOBURN	WOBURN- BRIDGE REPLACEMENT, W-43-003, SALEM STREET OVER MBTA	4	NHPP	$7,089,200	$5,671,360	$1,417,840	
2016	600867	BOSTON	BOSTON	BOSTON- BRIDGE REHABILITATION, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	NHPP	$9,074,000	$7,259,200	$1,814,800	AC Yr 1 of 2; Total Cost = $16,183,795
2016	607685	BOSTON	BRAINTREE	BRAINTREE- BRIDGE REHABILITATION, B-21-060 AND B-21-061, ST 3 (SB) AND ST 3 (nb) OVER RAMP C (QUINCY ADAMS)	6	NHPP	$11,908,000	$9,526,400	$2,381,600	
2016	606553	BOSTON	MULTIPLE	HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET)	6	NHPP	$29,000,000	$23,200,000	$5,800,000	AC Yr 1 of 2: Total Cost =$41,955,600
2016	604029	MARTHA'S VINEYARD	MULTIPLE	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	NHPP	$15,447,468	$12,357,974	$3,089,494	
2016	602932	NORTHERN MIDDLESEX	LOWELL	LOWELL- BRIDGE REPLACEMENT, L-15-058, VFW HIGHWAY OVER BEAVER BROOK (BR-ON)	4	NHPP	$6,917,805	$5,534,244	$1,383,561	AC Year 2 of 2. Total Cost $20,934,881
2016	605618	PIONEER VALLEY	MULTIPLE	LUDLOW - WILBRAHAM - BRIDGE REHABILITATION, L-16-002=W-35-002, EAST STREET OVER THE CHICOPEE RIVER	2	NHPP	$1,000,000	$800,000	$200,000	75%
2016	606525	SOUTHEASTERN MASSACHUSETTS	ATTLEBORO	ATTLEBORO- SUPERSTRUCTURE REPLACEMENT, A-16-053, I-95 (NB & SB) OVER NORTH AVENUE	5	NHPP	$9,364,839	$7,491,871	$1,872,968	AC Yr 2 of 3; Total Cost = $22,361,409
2016	605223	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- INTERCHANGE IMPROVEMENTS AT ROUTE I-195/ROUTE 79/ROUTE 138	5	NHPP	$1,598,263	$1,278,610	$319,653	This project was combined with 606354 for a total construction cost of $270,626,756. - $171,911,637 is for the I-195/Route 79/Route 138 Interchange Improvements (Spaghetti Ramps) of which $167,600,637 is identified as GANS funding (federal & state match
				STATEWIDE ON SYSTEM BRIDGE PROGRAM SUBTOTAL:			$96,507,575	$77,206,059	$19,301,516	
				SECTION 1B / FEDERAL AID BRIDGE PROJECTS TOTAL:			$145,584,018	$116,467,213	$29,116,806	

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 1C / FEDERAL AID NON TARGET PROJECTS										
Other Federal Aid										
2016	606890	BERKSHIRE	MULTIPLE	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	1	HPP	$1,000,000	$800,000	$200,000	Design; SAFETEA-LU, HPP 2850 - MA Berkshire County Bike Paths, Design & Construction - $5,007,375 (Earmark Total)
2016	601630	BOSTON	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	HPP (1998)	$8,600,000	$6,880,000	$1,720,000	AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = $60,053,518
2016	607571	CAPE COD	DENNIS	DENNIS- YARMOUTH- CONSTRUCTION OF A MULTI-USE PATH OVER THE BASS RIVER, INCLUDES NEW PEDESTRIAN BRIDGE D-07-007=Y-01-010	5	TI 173 MA 209	$2,096,080	$2,096,080	$0	Total programmed = $2,403,106 =$2,096,080 from TI 173 MA 209 + $307,026 STP. Bass River Bridge portion of CCRT Dennis-Yarmouth extension.
2016	606629	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - BLACKSTONE VISITOR CENTER, BIKEWAY & BRIDGE	3	HPP	$442,675	$354,140	$88,535	Construction / HPP#4283 - MA 202, HPP#2218 - MA 157, HPP#2509 - MA 165 & MA006 / Design Status = Pre 25% / HPP + NFA Total Project Cost = $8,908,667
2016	606629	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - BLACKSTONE VISITOR CENTER	3	HPP	$5,014,925	$4,011,940	$1,002,985	Construction / HPP#4266 - MA 158 / Design Status = Pre 25% / HPP + NFA Total Project Cost = $8,908,667
2016	604968	PIONEER VALLEY	WESTFIELD	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION, NORTH SECTION - FROM COWLES COURT ACCESS RAMPS TO THE WESTFIELD RIVER BRIDGE INCLUDES REHAB OF W-25-036 (WESTFIELD RIVER CROSSING)	2	HPP	$2,321,883	$1,857,506	$464,377	38.83 TEC 75% HPP funds remaining (HPP -1656) $1,857,506 (Federal) (Total Cost $2,696,964) Total funding available $2,321,883, city will scale back project to the funding available. HPP, CMAQ
				OTHER FEDERAL AID SUBTOTAL:			$19,475,563	$15,999,666	$3,475,897	
				SECTION 1C / FEDERAL AID NON-TARGET PROJECTS TOTAL:			$19,475,563	$15,999,666	$3,475,897	
SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS										
Other Statewide Items										
2016	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		NHPP	$44,071,817	$44,071,817	$0	AC Year 2 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
2016	SPL	STATEWIDE	MULTIPLE	PLANNING		PL	$21,000,000	$16,800,000	$4,200,000	

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	SRT	STATEWIDE	MULTIPLE	RECREATIONAL TRAILS		REC	$1,000,000	$800,000	$200,000	
2016	MSC	STATEWIDE	MULTIPLE	DBES, MISC PROGRAMS		STP	$1,000,000	$800,000	$200,000	
2016	EWO	STATEWIDE	MULTIPLE	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC		STP	$14,700,876	$11,760,701	$2,940,175	
2016	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		STP-BR-Off	$368,183	$368,183	$0	AC Year 2 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
				OTHER STATEWIDE ITEMS SUBTOTAL:			$82,140,876	$74,600,701	$7,540,175	
Statewide ADA Implementation Plan										
2016	607035	STATEWIDE	MULTIPLE	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	1	STP-TE	$340,000	$272,000	$68,000	
2016	607036	STATEWIDE	MULTIPLE	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	2	STP-TE	$740,000	$592,000	$148,000	
				STATEWIDE ADA IMPLEMENTATION PLAN SUBTOTAL:			$1,080,000	$864,000	$216,000	
Statewide CMAQ										
2016	601579	BOSTON	WAYLAND	WAYLAND- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND ROUTE 30 (COMMONWEALTH ROAD)	3	CMAQ	$2,425,710	$1,940,568	$485,142	
2016	605189	BOSTON	CONCORD	CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION, FROM COMMONWEALTH AVENUE TO POWDER MILL ROAD, INCLUDES 2 RAILROAD BRIDGES & 1 CULVERT (PHASE II-C)	4	CMAQ	$5,532,584	$4,426,067	$1,106,517	
2016	606316	BOSTON	BROOKLINE	BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET	6	CMAQ	$2,846,700	$2,277,360	$569,340	
2016	603477	PIONEER VALLEY	SOUTHWICK	SOUTHWICK- INTERSECTION IMPROVEMENTS AT FOUR LOCATIONS ON ROUTE 57 (FEEDING HILLS ROAD)	2	CMAQ	$3,551,223	$2,840,978	$710,245	47 TEC Score 25% ($3,551,223)
2016	605677	SOUTHEASTERN MASSACHUSETTS	MATTAPOISETT	MATTAPOISETT - MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY) FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	5	CMAQ	$3,300,000	$2,640,000	$660,000	CMAQ ($578,110) / TAP ($856,134) / Statewide CMAQ ($3,300,000) Total Cost = $4,734,244; Construction; EC Score 28 Of 93; Status Pre 100% - Plans Anticipated August 2015
2016	605367	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERSECTION IMPROVEMENTS AT THE HON. GORDON M. OWEN RIVERWAY & WILLIAMS STREET	5	CMAQ	$941,104	$752,883	$188,221	

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	605679	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERSECTION IMPROVEMENTS AT COUNTY STREET (ROUTE 140) AND HART STREET	5	CMAQ	$1,500,000	$1,200,000	$300,000	CMAQ ($1,956,239) / Statewide CMAQ ($1,500,000) Total Cost = $3,456,239; Construction; EC Score 45 Of 93; Status 25% - Design Public Hearing Held 05-27-15
2016	ADAPT	STATEWIDE	MULTIPLE	ADAPTIVE SIGNAL CONTROLS AT 11 INTERSECTIONS		CMAQ	$400,000	$320,000	$80,000	
2016	RTA002	STATEWIDE	MULTIPLE	VANPOOLS		CMAQ	$562,000	$449,600	$112,400	Add funding for vanpool subsidy
2016	EVCHG	STATEWIDE	MULTIPLE	STATEWIDE - ELECTRIC VEHICLE PLUG IN CHARGING STATIONS		CMAQ	$720,000	$576,000	$144,000	Add funding for EV charging stations for Highway Division program
2016	ALTFUL	STATEWIDE	MULTIPLE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS		CMAQ	$1,000,000	$800,000	$200,000	
2016	82865	STATEWIDE	MULTIPLE	MASSRIDES -- TRAVEL OPTIONS PROGRAM		CMAQ	$2,522,782	$2,018,226	$504,556	AC Yr 2 of 5, Already programmed less the TMA subsidy
2016	RTA001	STATEWIDE	MULTIPLE	BUSPLUS ROUTE 2 & COMMUTER SERVICE		CMAQ	$2,900,000	$2,900,000	$0	AC Year 2 of 2 for operating subsidy. Total Cost = $5.8M. 100% FA using Toll Credits. This funding will be used to operate three separate bus services along different segments of the Route 2 Corridor, including a Marlborough to Boston service.
					STATEWIDE CMAQ SUBTOTAL:		$28,202,103	$23,141,682	$5,060,421	

Statewide HSIP Program

2016	607755	BOSTON	WEYMOUTH	WEYMOUTH- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 53 (WASHINGTON STREET) AT MUTTON LANE & PLEASANT STREET	6	HSIP	$550,000	$495,000	$55,000	
2016	607753	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 28 (FALMOUTH ROAD) AT STRAWBERRY HILL ROAD	5	HSIP	$550,000	$495,000	$55,000	Total programmed = $550,000. Preliminary design. RSA conducted.
2016	607918	CAPE COD	BOURNE	SANDWICH TO ORLEANS- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF US ROUTE 6 (MID-CAPE HIGHWAY)	5	HSIP	$4,100,000	$3,690,000	$410,000	Total programmed = $4,100,000
2016	608168	CENTRAL MASSACHUSETTS	DOUGLAS	DOUGLAS - REHABILITATION & RELATED WORK ON WEBSTER STREET (ROUTE 16), FROM T.L. (MM 2.8) TO MAIN STREET (MM 6.9)	3	HSIPR	$1,750,000	$1,575,000	$175,000	Construction / Design Status = TBD / Total Project Cost = $1,750,000 / Required under MAP-21 HRRRP rule
2016	608169	CENTRAL MASSACHUSETTS	DUDLEY	DUDLEY - REHABILITATION & RELATED WORK ON DRESSER HILL ROAD (ROUTE 31), FROM STATE LINE (MM 0.0) TO TOWN LINE (MM 4.1)	3	HSIPR	$1,750,000	$1,575,000	$175,000	Construction / Design Status = TBD / Total Project Cost = $1,750,000 / Required under MAP-21 HRRRP rule

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	607176	CENTRAL MASSACHUSETTS	MULTIPLE	SHREWSBURY-WESTBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 9	3	HSIP	$350,000	$315,000	$35,000	Construction / Design Status = TBD / NHS + HSIP + Stormwater Total Project Cost = $13,799,320 / Was 607442 Route 9/Route 20 safety improvements which will be incorporated into the 607176 project which is a much larger project.
2016	607764	CENTRAL MASSACHUSETTS	SHREWSBURY	SHREWSBURY - INTERSECTION SIGNAL IMPROVEMENT AT US 20 (HARTFORD TURNPIKE) AT GRAFTON STREET	3	HSIP	$550,000	$495,000	$55,000	Construction / Design Status = TBD / Total Project Cost = $550,000
2016	608170	CENTRAL MASSACHUSETTS	STURBRIDGE	STURBRIDGE - REHABILITATION & RELATED WORK ON BROOKFIELD ROAD (ROUTE 148), FROM MAIN STREET (MM 0.0) TO TOWN LINE (MM 3.4)	3	HSIPR	$1,750,000	$1,575,000	$175,000	Construction / Design Status = TBD / Total Project Cost = $1,750,000 / Required under MAP-21 HRRRP rule
2016	607960	MONTACHUSETT	ASHBURNHAM	ASHBURNHAM- ROUTE 101 AT WILLIAMS AND COREY HILL ROAD, INTERSECTION IMPROVEMENTS	3	STP	$624,000	$561,600	$62,400	AC Yr 1 of 2. Total Cost = $1,248,000
2016	607735	PIONEER VALLEY	SOUTH HADLEY	SOUTH HADLEY- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 202 (GRANBY ROAD) & ROUTE 33 (LYMAN STREET)	2	HSIP	$550,000	$495,000	$55,000	
2016	608295	STATEWIDE	MULTIPLE	DISTRICT 5- IMPLEMENTATION OF FLASHING YELLOW ARROW AT VARIOUS TRAFFIC SIGNALS		HSIP	$2,400,000	$2,160,000	$240,000	
2016	SHSP	STATEWIDE	MULTIPLE	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES		HSIP	$3,820,556	$3,438,500	$382,056	
2016	607495	STATEWIDE	MULTIPLE	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE I)		HSIP	$5,161,000	$4,644,900	$516,100	
2016	606620	STATEWIDE	MULTIPLE	RAYNHAM TO BOLTON- GUIDE & TRAFFIC SIGN REPLACEMENT ON I-495		HSIP	$5,950,000	$5,355,000	$595,000	
				STATEWIDE HSIP PROGRAM SUBTOTAL:			$29,855,556	$26,870,000	$2,985,556	

Statewide Infrastructure Program

2016	603917	BOSTON	MULTIPLE	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	4	STP	$15,000,000	$12,000,000	$3,000,000	AC Year 1 of 2; Total Cost = $17,500,000
2016	605733	BOSTON	MULTIPLE	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	6	STP	$2,500,000	$2,000,000	$500,000	AC Year 1 of 3; Total Cost = $8,250,000
2016	607731	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	2	NHPP	$84,493,750	$67,595,000	$16,898,750	AC Yr 3 of 4. Total Cost = $183M.
				STATEWIDE INFRASTRUCTURE PROGRAM SUBTOTAL:			$101,993,750	$81,595,000	$20,398,750	

Statewide Intelligent Transportation System

2016	607484	CENTRAL MASSACHUSETTS	MULTIPLE	DISTRICT 3 - INSTALLATION OF CCTV CAMERAS AND VMS ON I-290 BETWEEN I-495 AND I-90	3	STP	$4,040,000	$3,232,000	$808,000	Consruction / Design Status = TBD / AC year 2 of 2 Total Project Cost = $6,540,000

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	607482	STATEWIDE	MULTIPLE	DISTRICT 5&6- ITS CONSTRUCTION ON ROUTE 3, FROM BRAINTREE TO PLYMOUTH (42 MILES)		CMAQ	$87,000	$69,600	$17,400	AC YR 1 of 2 Total project cost $6,337,000
2016	607424	STATEWIDE	MULTIPLE	STATEWIDE- ITS ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS) SOFTWARE		CMAQ	$731,000	$584,800	$146,200	AC YR 2 of 3. Total project cost $11,200,000
2016	606927	STATEWIDE	MULTIPLE	STATEWIDE- REPLACEMENT OF VARIABLE MESSAGE SIGNS (VMS)		CMAQ	$3,464,000	$2,771,200	$692,800	AC YR 2 of 2 Total project cost $3,464,800
2016	607483	STATEWIDE	MULTIPLE	DISTRICT 5- ITS CAMERA & VMS CONSTRUCTION ON ROUTE 24, FROM RANDOLPH TO FALL RIVER (39 MILES)		CMAQ	$3,778,000	$3,022,400	$755,600	AC YR 2 of 2 Total project cost $5,500,000
2016	608031	STATEWIDE	MULTIPLE	STATEWIDE ITS DESIGN CONSULTANT SERVICES		STP	$1,000,000	$800,000	$200,000	
				STATEWIDE INTELLIGENT TRANSPORTATION SYSTEM SUBTOTAL:			$13,100,000	$10,480,000	$2,620,000	

Statewide Interstate Maintenance Program

2016	606176	BOSTON	MULTIPLE	FOXBOROUGH-PLAINVILLE-WRENTHAM- INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	5	NHPP	$1,604,800	$1,444,320	$160,480	IM+Stormwater Total Cost = $3,344,800
2016	607479	CENTRAL MASSACHUSETTS	MULTIPLE	SHREWSBURY-BOYLSTON-NORTHBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-290	3	NHPP	$13,168,800	$11,851,920	$1,316,880	Construction / Design Status = TBD / IM + Stormwater Total Project Cost = $13,968,800
2016	605592	CENTRAL MASSACHUSETTS	STURBRIDGE	STURBRIDGE-HOLLAND - INTERSTATE MAINTENANCE & RELATED WORK ON I-84	3	NHPP	$15,133,500	$13,620,150	$1,513,350	Construction / Design Status = TBD / IM + Stormwater Total Project Cost = $16,033,500
2016	607182	FRANKLIN	MULTIPLE	BERNARDSTON- GREENFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-91 FROM MM 48.6 TO MM 50.4 (1.8 MILES)	2	NHPP	$2,293,920	$2,064,528	$229,392	Construction Phase. Design Status - preliminary.
2016	606574	MERRIMACK VALLEY	MULTIPLE	ANDOVER-LAWRENCE - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	4	NHPP	$14,396,000	$12,956,400	$1,439,600	Total Project Cost = $14,396,000 (Construction) (M)
2016	606577	PIONEER VALLEY	HATFIELD	HATFIELD- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91	2	NHPP	$10,620,000	$9,558,000	$1,062,000	75%
2016	608147	SOUTHEASTERN MASSACHUSETTS	NORTH ATTLEBOROUGH	NORTH ATTLEBOROUGH- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	5	NHPP	$2,039,040	$1,835,136	$203,904	
				STATEWIDE INTERSTATE MAINTENANCE PROGRAM SUBTOTAL:			$59,256,060	$53,330,454	$5,925,606	

Statewide NHS Preservation Program

2016	607488	BOSTON	SOUTHBOROUGH	SOUTHBOROUGH- RESURFACING & RELATED WORK ON ROUTE 9, FROM THE FRAMINGHAM T.L TO WHITE BAGLEY ROAD	3	NHPP	$3,791,340	$3,033,072	$758,268	
2016	607340	BOSTON	WELLESLEY	WELLESLEY- RESURFACING AND RELATED WORK ON ROUTE 9	6	NHPP	$7,327,800	$5,862,240	$1,465,560	

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	607176	CENTRAL MASSACHUSETTS	MULTIPLE	SHREWSBURY-WESTBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 9	3	NHPP	$12,949,320	$10,359,456	$2,589,864	Construction / Design Status = TBD / NHS + HSIP + Stormwater Total Project Cost = $13,799,320
2016	607476	MERRIMACK VALLEY	METHUEN	METHUEN- RESURFACING & RELATED WORK ON ROUTE 213	4	NHPP	$6,937,161	$5,549,729	$1,387,432	Total Project Cost = $8,101,161 = $6,937,161 NHS + $1,164,000 Stormwater (Construction) TEC = 3.93 out of 18. (M)
2016	607175	OLD COLONY	PLYMOUTH	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	$14,252,040	$11,401,632	$2,850,408	$14,552,040 Total Cost = $14,252,040 NHS + 300k Stormwater
				STATEWIDE NHS PRESERVATION PROGRAM SUBTOTAL:			$45,257,661	$36,206,129	$9,051,532	
Statewide RR Grade Crossings										
2016	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS		RRHE	$3,777,778	$3,400,000	$377,778	
2016	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS		RRPD	$3,777,778	$3,400,000	$377,778	
				STATEWIDE RR GRADE CROSSINGS SUBTOTAL:			$7,555,556	$6,800,000	$755,556	
Statewide Safe Routes to Schools Program										
2016	608000	BOSTON	BEDFORD	BEDFORD - SAFE ROUTES TO SCHOOL (JOHN GLENN MIDDLE)	4	TAP	$780,000	$624,000	$156,000	80% Federal + 20% Non-Federal
2016	607998	BOSTON	EVERETT	EVERETT - SAFE ROUTES TO SCHOOL (MADELAINE ENGLISH)	4	TAP	$602,608	$482,086	$120,522	80% Federal + 20% Non-Federal
2016	607999	BOSTON	REVERE	REVERE - SAFE ROUTES TO SCHOOL (GARFIELD ELEMENTARY & MIDDLE SCHOOL)	4	TAP	$874,113	$699,290	$174,823	80% Federal + 20% Non-Federal
2016	607997	BOSTON	SAUGUS	SAUGUS - SAFE ROUTES TO SCHOOL (VETERANS MEMORIAL)	4	TAP	$662,612	$530,090	$132,522	80% Federal + 20% Non-Federal
2016	608002	MERRIMACK VALLEY	LAWRENCE	LAWRENCE - SAFE ROUTES TO SCHOOL (BRUCE ELEMENTARY)	4	TAP	$812,500	$650,000	$162,500	Total Project Cost = $ 812,500 TAP is 80% Federal + 20% Non-Federal (Construction) (C)
2016	607242	MONTACHUSETT	FITCHBURG	FITCHBURG - SOUTH STREET ELEMENTARY - SAFE ROUTES TO SCHOOL Recommended improvements: Installation of sidewalks, wheelchair ramps, crosswalk striping and warning signs.	3	TAP	$884,000	$707,200	$176,800	80% Federal + 20% Non-Federal
2016	607453	PIONEER VALLEY	SOUTHAMPTON	SOUTHAMPTON - SOUTHAMPTON SAFE ROUTES TO SCHOOL - NORRIS ELEMENTARY SCHOOL (75%)	2	TAP	$832,000	$665,600	$166,400	80% Federal + 20% Non-Federal
2016	SRTS	STATEWIDE	MULTIPLE	SRTS - Planning & Design and selected schools		STP-TE	$800,000	$640,000	$160,000	
2016	SRTS	STATEWIDE	MULTIPLE	SRTS - Education		STP-TE	$891,633	$713,306	$178,327	
				STATEWIDE SAFE ROUTES TO SCHOOLS PROGRAM SUBTOTAL:			$7,139,466	$5,711,572	$1,427,894	

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Statewide Stormwater Retrofits										
2016	608059	BOSTON	SALEM	SALEM - STORMWATER IMPROVEMENTS ALONG ROUTE 107 (SALEM BYPASS ROAD)	4	STP-TE	$125,000	$100,000	$25,000	
2016	606176	BOSTON	FOXBOROUGH	FOXBOROUGH-PLAINVILLE-WRENTHAM- INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	5	STP-TE	$1,740,000	$1,392,000	$348,000	IM+Stormwater Total Cost = $3,344,800
2016	608134	BOSTON	MULTIPLE	HINGHAM - BROCKTON - STORMWATER IMPROVEMENTS ALONG ROUTE 3A/ROUTE 28	5	STP-TE	$479,100	$383,280	$95,820	
2016	608133	CENTRAL MASSACHUSETTS	MULTIPLE	GRAFTON-MILFORD - STORMWATER IMPROVEMENTS ALONG ROUTE 122/ROUTE 140	3	STP-TE	$401,300	$321,040	$80,260	Construction / Design Status = TBD / Total Project Cost = $401,300
2016	608060	CENTRAL MASSACHUSETTS	MULTIPLE	GARDNER-SHREWSBURY - STORMWATER IMPROVEMENTS ALONG ROUTE 68/ROUTE 70	3	STP-TE	$415,000	$332,000	$83,000	Construction / Design Status = TBD / Total Project Cost = $415,000
2016	607176	CENTRAL MASSACHUSETTS	MULTIPLE	SHREWSBURY-WESTBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 9	3	STP-TE	$500,000	$400,000	$100,000	Construction / Design Status = TBD / NHS + HSIP + Stormwater Total Project Cost = $13,799,320
2016	607479	CENTRAL MASSACHUSETTS	MULTIPLE	SHREWSBURY-BOYLSTON-NORTHBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-290	3	STP-TE	$800,000	$640,000	$160,000	Construction / Design Status = TBD / IM + Stormwater Total Project Cost = $13,968,800
2016	605592	CENTRAL MASSACHUSETTS	STURBRIDGE	STURBRIDGE-HOLLAND - INTERSTATE MAINTENANCE & RELATED WORK ON I-84	3	STP-TE	$900,000	$720,000	$180,000	Construction / Design Status = TBD / IM + Stormwater Total Project Cost = $16,033,500
2016	607476	MERRIMACK VALLEY	METHUEN	METHUEN - RESURFACING AND RELATED WORK ON ROUTE 213	4	STP-TE	$1,164,000	$931,200	$232,800	$8,101,161 Total Cost = $6,937,161 NHS + $1,164,000 Stormwater (Construction) TEC = 3.93 out of 18. (M)
2016	607175	OLD COLONY	PLYMOUTH	PLYMOUTH - RESURFACING AND RELATED WORK ON ROUTE 3	5	STP-TE	$300,000	$240,000	$60,000	$14,552,040 Total Cost = $14,252,040 NHS + 300k Stormwater
2016	608136	PIONEER VALLEY	SOUTH HADLEY	SOUTH HADLEY - STORMWATER IMPROVEMENTS ALONG ROUTE 116	2	STP-TE	$169,400	$135,520	$33,880	
2016	608135	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - STORMWATER IMPROVEMENTS ALONG ROUTE 6/ROUTE 18	5	STP-TE	$480,000	$384,000	$96,000	
2016	606995	STATEWIDE	MULTIPLE	CHELMSFORD -CONCORD - LOWELL - PEABODY - STORMWATER IMPROVEMENTS ALONG ROUTE 2/ROUTE 2A, ROUTE 128, AND ROUTE 3/ROUTE 3A	4	STP-TE	$500,000	$400,000	$100,000	
				STATEWIDE STORMWATER RETROFITS SUBTOTAL:			$7,973,800	$6,379,040	$1,594,760	
				SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS TOTAL:			$383,554,828	$325,978,578	$57,576,250	

SECTION 2A / NON-FEDERAL PROJECTS

Non Federal Aid

2016	1568	BOSTON		FAIRMOUNT IMPROVEMENTS	NA	NFA	$447,000	$0	$447,000	Lists cash flows (based on state fiscal year)

2016

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2016	1572	BOSTON		RED LINE-BLUE LINE CONNECTOR DESIGN	NA	NFA	$29,000,000	$0	$29,000,000	MassDOT made a formal request on Aug. 1, 2011, to remove this project from the State Implementation Plan regulation. The MPO is continuing to reference this project in the document until the process is complete.
2016	606629	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - BLACKSTONE VISITOR CENTER	3	NFA	$3,451,068	$0	$3,451,068	Consruction / Design Status = Pre 25% / HPP + NFA Total Project Cost = $8,908,667
				NON FEDERAL AID SUBTOTAL:			$32,898,068	$0	$32,898,068	
				SECTION 2A / NON-FEDERAL PROJECTS TOTAL:			$32,898,068	$0	$32,898,068	
TOTAL		**YEAR 2016**					**$746,630,550**	**$592,481,466**	**$155,149,087**	

2017

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 / FEDERAL AID TARGET PROJECTS										
CMAQ - Congestion Mitigation and Air Quality Improvement Program										
2017	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	CMAQ	$1,112,389	$889,911	$222,478	AC - Year 1 of 2; STP + CMAQ + HSIP; Total Cost = 7,384,000; MPO evaluation score 6 of 7; Design Status: <25%; YOE = 4%
2017	604810	BOSTON	MARLBOROUGH	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	CMAQ	$2,000,000	$1,600,000	$400,000	HSIP+CMAQ+STP Total Cost = $5,613,636
2017	604989	BOSTON	SOUTHBOROUGH	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET	3	CMAQ	$1,038,370	$830,696	$207,674	STP+CMAQ+TAP Total Cost = $6,862,752
2017	605110	BOSTON	BROOKLINE	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	CMAQ	$471,811	$377,449	$94,362	STP+TAP+CMAQ+Private Sector Contribution ($1,000,000) Total Cost = $5,818,649
2017	1569	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	NA	CMAQ	$13,427,220	$10,741,776	$2,685,444	Yr 2 of 6; CMAQ+STP Total Cost = $190,100,000 ($158,000,000 programmed within FFYs 2016-20 TIP)
2017	201701	CAPE COD	BARNSTABLE	BARNSTABLE - HYANNIS VILLAGER DEMONSTATION	5	CMAQ	$685,464	$548,371	$137,093	CMAQ -> FTA Transfer. Total programmed with 4% inflation = $659,100. Year 2 of 3.
2017	606707	CAPE COD	DENNIS	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS ON MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER COUNTY ROAD.	5	CMAQ	$3,830,758	$3,064,606	$766,152	Total programmed with 4% inflation applied = $4,063,064 = $3,830,758 CMAQ + $232,306 TAP. 25% design submitted. CMAQ analysis completed. Municipality is proponent.
2017	603251	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - SIGNAL & INTERSECTION IMPROVEMENTS @ HOLDEN STREET, DRUMMOND AVENUE & SHORE DRIVE	3	CMAQ	$979,680	$783,744	$195,936	Construction / TEC Score = 4.8 / Design Status = TBD / CMAQ + Statewide CMAQ Total Project Cost = $2,791,146
2017	605740	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET AND GRANITE STREET	3	CMAQ	$2,704,000	$2,163,200	$540,800	Construction / TEC Score = 7.0 / Design Status = 25% / HSIP+CMAQ+TAP Total Project Cost = $5,026,320
2017	606507	FRANKLIN	CHARLEMONT	CHARLEMONT - ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM 2 MM 29.5 TO MM 31.0	1	CMAQ	$520,000	$416,000	$104,000	Construction Phase. Total project cost estimate of $5,750,000 is inflated 4% to $5,980,000. This project will be funded with a combination of STP and CMAQ. A/C Year 1/2. Design Status - preliminary. TEC = 9.4
2017	607411	MARTHA'S VINEYARD	TISBURY	TISBURY - Bike and Ped improvements along Beach Road from the termination of the existing shared use path westerly to the Five Corners intersection	5	CMAQ	$609,321	$487,457	$121,864	Advanced Construction, Year 1 of 2, with a total estimated cost of approximately $2,300,000 for the 1/2 mile roadway section. This is a MassDOT project with GPI as consultant.

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	607573	MERRIMACK VALLEY	HAVERHILL	HAVERHILL - RECONSTRUCTION ON ROUTE 97 (BROADWAY), FROM SILVER BIRCH LANE TO RESEARCH DRIVE	4	CMAQ	$588,746	$470,997	$117,749	Total Project Cost = $6,156,000 cost inflated 4% from 2016 cost. FY 2017 STP & CMAQ (Construction) TEC = 6.75 out of 18. (C)
2017	606124	MONTACHUSETT	MULTIPLE	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	CMAQ	$1,393,611	$1,114,889	$278,722	STP/CMAQ/TAP; Total Cost = $8,003,595 Adjusted for YOE by 4%; Non Adjusted Total Cost = $7,695,764 as of 4/10/15; 25% received (1/21/14); Public Hearing May 2015; TEC 50 of 100; Not HSIP Eligibile; Construction;
2017	608036	NORTHERN MIDDLESEX	WESTFORD	WESTFORD-TRAFFIC SIGNAL INSTALLATIONS AND INTERSECTION IMPROVEMENTS AT RTE 40 AND OAK HILL RD	3	CMAQ	$1,221,753	$977,402	$244,351	Total Project Cost at 2017 YOE $2,080,623 ($2,000,599); Funding Sources - HSIP, CMAQ; TEC = 6.77
2017	607438	OLD COLONY	EASTON	EASTON - ROUTE 138 @ UNION STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	5	CMAQ	$1,044,228	$835,382	$208,846	YOE is $1,044,228; 25% Design; TEC Score is 7.85
2017	607337	OLD COLONY	PEMBROKE	PEMBROKE - ROUTE 53 AT PLEASANT STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	5	CMAQ	$1,957,841	$1,566,273	$391,568	YOE is $1,957,841; 25% Design; TEC Score is 6.85
2017	604203	PIONEER VALLEY	AGAWAM	AGAWAM- INTERSECTION IMPROVEMENTS AT ROUTE 187 & ROUTE 57	2	CMAQ	$539,008	$431,206	$107,802	58.5 Pre 25% (YOE $1,620,000) HSIP, CMAQ
2017	606903	PIONEER VALLEY	HOLYOKE	HOLYOKE - IMPROVEMENTS TO LOWER WESTFIELD ROAD ON I-91 (INTERCHANGE 15)	2	CMAQ	$1,072,500	$858,000	$214,500	37.5 Pre 25% (YOE $1,072,500) CMAQ
2017	608236	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- RECONSTRUCTION OF DAMON ROAD, FROM ROUTE 9 TO ROUTE 5, INCLUDES DRAINAGE SYSTEM REPAIRS & SLOPE STABILIZATION AT THE NORWOTTUCK RAIL TRAIL	2	CMAQ	$1,766,592	$1,413,274	$353,318	61.5 TEC Score 25% (YOE $5,200,000) STP, CMAQ
2017	607392	SOUTHEASTERN MASSACHUSETTS	SEEKONK	SEEKONK - INTERSECTION IMPROVEMENTS & RELATED WORK AT FALL RIVER AVENUE (ROUTE 114A) AND COUNTY STREET	5	CMAQ	$1,374,969	$1,099,975	$274,994	Total Cost = $1,374,969; Construction; EC Score 26 Of 93; Status Pre 25% Eligible for CMAQ Funding
				CMAQ - CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM SUBTOTAL:			$38,338,261	$30,670,608	$7,667,653	

HSIP - Highway Safety Improvement Program

2017	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	HSIP	$355,964	$320,368	$35,596	AC - Year 1 of 2; STP + CMAQ + HSIP; Total Cost = 7,384,000; MPO evaluation score 6 of 7; Design Status: <25%; YOE = 4%
2017	604810	BOSTON	MARLBOROUGH	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	HSIP	$3,397,727	$3,057,954	$339,773	HSIP+CMAQ+STP Total Cost = $5,613,636
2017	604935	BOSTON	WOBURN	WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT)	4	HSIP	$3,564,629	$3,208,166	$356,463	STP+HSIP Total Cost = $4,752,838

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	607309	BOSTON	HINGHAM	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	5	HSIP	$798,857	$718,972	$79,886	HSIP+CMAQ Total Cost = $3,994,287
2017	607435	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUTH ROAD (ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD	5	HSIP	$2,240,000	$2,016,000	$224,000	Total programmed with 4% Inflation applied = $2,240,000. RSA conducted. 25% design plans submitted.
2017	607444	CAPE COD	FALMOUTH	FALMOUTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT NORTH FALMOUTH HIGHWAY (ROUTE 28A),NATHAN ELLIS HIGHWAY (ROUTE 151) AND COUNTY ROAD	5	HSIP	$2,240,000	$2,016,000	$224,000	Total programmed with 4% inflation applied = $2,240,000. 25% design under development. Possible HSIP - RSA to be conducted.
2017	605740	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET AND GRANITE STREET	3	HSIP	$1,768,000	$1,591,200	$176,800	Construction / TEC Score = 7.0 / Design Status = 25% / HSIP+CMAQ+TAP Total Project Cost = $5,026,320
2017	607411	MARTHA'S VINEYARD	TISBURY	TISBURY - Bike and Ped improvements along Beach Road from the termination of the existing shared use path westerly to the Five Corners intersection	5	HSIP	$30,997	$27,897	$3,100	Advanced Construction, Year 1 of 2, with a total estimated cost of approximately $2,300,000 for the 1/2 mile roadway section. This is a MassDOT project with GPI as consultant.
2017	606159	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 125 & MASSACHUSETTS AVENUE	4	HSIP	$442,956	$398,660	$44,296	Total Project Cost = $1,677,312 cost inflated 4% from 2016 cost. FY 2017 STP + FY 2017 HSIP (Construction) TEC = 7.7 out of 18. (C)
2017	608188	MONTACHUSETT	MULTIPLE	GARDNER- LEOMINSTER- STERLING - SAFETY IMPROVEMENTS AT 3 LOCATIONS	3	HSIP	$552,500	$497,250	$55,250	HSIP; Total Cost =$552,500 Adjusted for YOE by 4%; Non Adjusted Total Cost = $531,250; MassDOT Design; Construction Funded HSIP;
2017	608036	NORTHERN MIDDLESEX	WESTFORD	WESTFORD-TRAFFIC SIGNAL INSTALLATIONS AND INTERSECTION IMPROVEMENTS AT RTE 40 AND OAK HILL RD	3	HSIP	$858,870	$772,983	$85,887	Total Project Cost at 2017 YOE $2,080,623 ($2,000,599); Funding Sources - HSIP, CMAQ; TEC = 6.77
2017	606189	NORTHERN MIDDLESEX	LOWELL	LOWELL-IMPROVEMENTS ON ROUTE 38 AT FOUR INTERSECTIONS	4	HSIP	$2,426,825	$2,184,143	$242,683	Total Project Cost at 2017 YOE $2,745,600 (2,640,000) Funding Sources HSIP, TAP; TEC = 6.25.
2017	604203	PIONEER VALLEY	AGAWAM	AGAWAM- INTERSECTION IMPROVEMENTS AT ROUTE 187 & ROUTE 57	2	HSIP	$1,080,992	$972,893	$108,099	58.5 Pre 25% (YOE $1,620,000) HSIP, CMAQ
2017	605372	SOUTHEASTERN MASSACHUSETTS	NORTH ATTLEBOROUGH	NORTH ATTLEBOROUGH - TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS @ EAST WASHINGTON STREET (ROUTE 1) & CHESTNUT STREET	5	HSIP	$1,739,053	$1,565,148	$173,905	Total Cost = $1,739,053; Construction; EC Score 36 Of 93; Status 75/100% - Plans Received 04-7-15 Eligib
				HSIP - HIGHWAY SAFETY IMPROVEMENT PROGRAM SUBTOTAL:			$21,497,370	$19,347,634	$2,149,738	

2017

Non-CMAQ/HSIP/TAP (Other)

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	602280	BERKSHIRE	DALTON	DALTON- RECONSTRUCTION OF HOUSATONIC STREET, FROM ROUTE 8 & 9 TO ROUTE 8	1	STP	$340,591	$272,473	$68,118	AC - Year 3 of 3; STP + CMAQ + Statewide CMAQ; Total Cost = 11,181,141; MPO evaluation score 4 of 7; Design Status: 100%
2017	607429	BERKSHIRE	NORTH ADAMS	NORTH ADAMS- INTERSECTION IMPROVEMENTS AT ROUTE 2 & PHELPS AVENUE	1	STP	$1,321,528	$1,057,222	$264,306	STP; Total Cost = 1,321,528; MPO evaluation score 4 of 7; Design Status: <25%; YOE = 4%
2017	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	STP	$1,419,799	$1,135,839	$283,960	AC - Year 1 of 2; STP + CMAQ + HSIP; Total Cost = 7,384,000; MPO evaluation score 6 of 7; Design Status: <25%; YOE = 4%
2017	605799	BERKSHIRE	WILLIAMSTOWN	WILLIAMSTOWN- RECONSTRUCTION & RELATED WORK ON ROUTE 43 (WATER STREET)	1	STP	$2,803,063	$2,242,450	$560,613	STP; Total Cost = 2,803,063; MPO evaluation score 4 of 7; Design Status: 75%; YOE = 4%
2017	604810	BOSTON	MARLBOROUGH	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	STP	$215,909	$172,727	$43,182	HSIP+CMAQ+STP Total Cost = $5,613,636
2017	604989	BOSTON	SOUTHBOROUGH	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET	3	STP	$3,000,000	$2,400,000	$600,000	STP+CMAQ+TAP Total Cost = $6,862,752
2017	29492	BOSTON	MULTIPLE	BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III)	4	STP	$6,604,906	$5,283,925	$1,320,981	AC Yr 2 of 2; STP+Northern Middlesex Council of Governments contribution ($1,000,000) Total Cost = $29,296,348
2017	604935	BOSTON	WOBURN	WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT)	4	STP	$1,188,210	$950,568	$237,642	STP+HSIP Total Cost = $4,752,838
2017	607309	BOSTON	HINGHAM	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	5	STP	$3,195,430	$2,556,344	$639,086	HSIP+STP Total Cost = $3,994,287
2017	605110	BOSTON	BROOKLINE	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	STP	$2,000,000	$1,600,000	$400,000	STP+TAP+CMAQ+Private Sector Contribution ($1,000,000) Total Cost = $5,818,649
2017	603711	BOSTON	NEEDHAM	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	6	NHPP	$13,360,000	$10,688,000	$2,672,000	AC Yr 4 of 5; NHPP+BR+Statewide Infrastructure Total Cost = $164,919,140 ($56,154,316 programmed within FFYs 2016-20 TIP)
2017	601630	BOSTON	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	STP	$12,850,000	$10,280,000	$2,570,000	AC Yr 2 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = $60,053,518

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	1569	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	NA	STP	$16,472,780	$13,178,224	$3,294,556	Yr 2 of 6; CMAQ+STP Total Cost = $190,100,000 ($158,000,000 programmed within FFYs 2016-20 TIP)
2017	606346	CENTRAL MASSACHUSETTS	LEICESTER	LEICESTER - RESURFACING & RELATED WORK ON ROUTE 56 (PAXTON STREET), FROM MAIN STREET TO HYLAND STREET	3	STP	$2,392,000	$1,913,600	$478,400	Construction / TEC Score = 3.4 / Design Status = 75% / Total Project Cost = $2,392,000
2017	606206	CENTRAL MASSACHUSETTS	OXFORD	OXFORD - RECONSTRUCTION ON CHARLTON STREET, BETWEEN MAIN STREET AND DUDLEY ROAD	3	STP	$3,605,680	$2,884,544	$721,136	Construction / TEC Score = 3.6 / Design State = 25% / Total Project Cost = $3,605,680
2017	602740	CENTRAL MASSACHUSETTS	SHREWSBURY	SHREWSBURY - RESURFACING AND RELATED WORK ON MAIN STREET, FROM I-290 RAMPS EASTERLY TO MAPLE AVENUE	3	STP	$5,555,680	$4,444,544	$1,111,136	Construction / Design Status = 25% / TEC Score = 4.6 / Total Project Cost = $5,55,680
2017	606507	FRANKLIN	CHARLEMONT	CHARLEMONT - ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM 2 MM 29.5 TO MM 31.0	1	STP	$4,198,835	$3,359,068	$839,767	Construction Phase. Total project cost estimate of $5,750,000 is inflated 4% to $5,980,000. This project will be funded with a combination of STP and Statewide CMAQ. A/C Year 1/2. Design Status - preliminary. TEC = 9.4
2017	607573	MERRIMACK VALLEY	HAVERHILL	HAVERHILL - RECONSTRUCTION ON ROUTE 97 (BROADWAY), FROM SILVER BIRCH LANE TO RESEARCH DRIVE	4	STP	$5,567,254	$4,453,803	$1,113,451	Total Project Cost = $6,156,000 cost inflated 4% from 2016 cost. FY 2017 STP & CMAQ (Construction) TEC = 6.75 out of 18. (C)
2017	606159	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 125 & MASSACHUSETTS AVENUE	4	STP	$1,234,356	$987,485	$246,871	Total Project Cost = $1,677,312 cost inflated 4% from 2016 cost. FY 2017 STP + FY 2017 HSIP (Construction) TEC = 7.7 out of 18. (C)
2017	606124	MONTACHUSETT	MULTIPLE	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	STP	$6,512,534	$5,210,027	$1,302,507	STP/CMAQ/TAP; Total Cost = $8,003,595 Adjusted for YOE by 4%; Non Adjusted Total Cost = $7,695,764 as of 4/10/15; 25% received (1/21/14); Public Hearing May 2015; TEC 50 of 100; Not HSIP Eligibile; Construction;
2017	29492	NORTHERN MIDDLESEX	BILLERICA	BEDFORD-BILLERICA-BURLINGTON-MIDDLESEX TURNPIKE IMPROVEMENTS FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006	4	STP	$1,000,000	$800,000	$200,000	The balance of the project is programmed in the Boston MPO TIP in 2016 and 2017. Total project cost estimate is $26,935,171. NMMPO is funding $1,000,000 in STP funds. Design is at 100%. TEC Score = 7.50.
2017	607401	NORTHERN MIDDLESEX	CHELMSFORD	CHELMSFORD-TRAFFIC SIGNAL INSTALLATION AT ROUTE 110 & ROUTE 495 (2 LOCATIONS)	4	STP	$1,219,400	$975,520	$243,880	Total Project Cost at 2016 YOE $1,219,400 ($1,172,500); Funding : STP; TEC = 5.82
2017	604694	NORTHERN MIDDLESEX	LOWELL	LOWELL-CONNECTOR RECONSTRUCTION FROM THORNDIKE ST TO GORHAM ST	4	STP	$1,030,652	$824,522	$206,130	Total project cost at FFY 2017 YOE $1,030,652 ($991,011; Funding Source STP; TEC = 5.72.

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	605038	OLD COLONY	PLYMOUTH	PLYMOUTH- RECONSTRUCTION OF TAYLOR AVENUE, FROM WHITE HORSE ROAD TO MANOMET POINT ROAD, INCLUDES P-13-010	5	STP	$5,310,240	$4,248,192	$1,062,048	YOE is $5,310,240; 75% Design; TEC Score is 8.00
2017	608236	PIONEER VALLEY	HOLYOKE	NORTHAMPTON- RECONSTRUCTION OF DAMON ROAD, FROM ROUTE 9 TO ROUTE 5, INCLUDES DRAINAGE SYSTEM REPAIRS & SLOPE STABILIZATION AT THE NORWOTTUCK RAIL TRAIL	2	STP	$3,433,408	$2,746,726	$686,682	61.5 TEC Score 25% ($5,200,000) STP, CMAQ
2017	605011	PIONEER VALLEY	LUDLOW	LUDLOW- RECONSTRUCTION OF CENTER STREET (ROUTE 21) - FROM 35' WEST OF BEACHSIDE DRIVE WESTERLY TO GAS LINE BESIDE MTA OVERPASS (3,500 FEET)	2	STP	$4,302,162	$3,441,730	$860,432	40 TEC Score 25% (YOE $4,918,051) STP, TAP
2017	604033	PIONEER VALLEY	SOUTHWICK	SOUTHWICK- RECONSTRUCTION CONGAMOND ROAD (ROUTE 168) - FROM COLLEGE HIGHWAY & ENDS 250 FEET SHORT OF STATE LINE (1.2 MILES)	2	STP	$4,980,256	$3,984,205	$996,051	38 TEC Score 25% (YOE $4,980,256) STP
2017	117106	SOUTHEASTERN MASSACHUSETTS	WAREHAM	WAREHAM - RECONSTRUCTION OF ROUTE 6 & 28, FROM 500 FT. EAST OF TYLER AVENUE TO EAST OF RED BROOK ROAD	5	STP	$13,443,722	$10,754,978	$2,688,744	FY17 STP ($13,443,722) / TAP ($556,278) - FY18 STP ($2,935,867) Total Cost = $16,935,867; Construction; EC Score 51 Of 93; Status 75% - Design Public Hearing 07-12-12
				NON-CMAQ/HSIP/TAP (OTHER) SUBTOTAL:			$128,558,395	$102,846,716	$25,711,679	

TAP - Transportation Alternatives Program

2017	604989	BOSTON	SOUTHBOROUGH	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET	3	TAP	$2,824,382	$2,259,506	$564,876	STP+CMAQ+TAP Total Cost = $6,862,752
2017	605110	BOSTON	BROOKLINE	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	TAP	$2,346,838	$1,877,470	$469,368	STP+TAP+CMAQ+Private Sector Contribution ($1,000,000) Total Cost = $5,818,649
2017	606707	CAPE COD	DENNIS	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS ON MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER COUNTY ROAD.	5	TAP	$232,306	$185,845	$46,461	Total programmed with 4% inflation applied = $4,063,064 = $3,830,758 CMAQ + $232,306 TAP. 25% design submitted. CMAQ analysis completed. Municipality is proponent.
2017	605740	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET AND GRANITE STREET	3	TAP	$554,320	$443,456	$110,864	Construction / TEC Score = 7.0 / Design Status = 25% / HSIP+CMAQ+TAP Total Project Cost = $5,026,320 / Project Proponent is City of Worcester
2017	606124	MONTACHUSETT	MULTIPLE	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	TAP	$97,450	$77,960	$19,490	STP/CMAQ/TAP; Total Cost = $8,003,595 Adjusted for YOE by 4%; Non Adjusted Total Cost = $7,695,764 as of 4/10/15; 25% received (1/21/14); Public Hearing May 2015; TEC 50 of 100; Not HSIP Eligibile; Construction;

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	605011	PIONEER VALLEY	LUDLOW	LUDLOW- RECONSTRUCTION OF CENTER STREET (ROUTE 21) - FROM 35' WEST OF BEACHSIDE DRIVE WESTERLY TO GAS LINE BESIDE MTA OVERPASS (3,500 FEET)	2	TAP	$615,889	$492,711	$123,178	40 TEC Score 25% (YOE $4,918,051) STP, TAP The town of Ludlow is the project proponent
2017	117106	SOUTHEASTERN MASSACHUSETTS	WAREHAM	WAREHAM - RECONSTRUCTION OF ROUTE 6 & 28, FROM 500 FT. EAST OF TYLER AVENUE TO EAST OF RED BROOK ROAD	5	TAP	$556,278	$445,022	$111,256	FY17 STP ($13,443,722) / TAP ($556,278) - FY18 STP ($2,935,867) Total Cost = $16,935,867; Construction; EC Score 51 Of 93; Status 75% - Design Public Hearing 07-12-12
				TAP - TRANSPORTATION ALTERNATIVES PROGRAM SUBTOTAL:			$7,546,238	$6,036,990	$1,509,248	
				SECTION 1A / FEDERAL AID TARGET PROJECTS TOTAL:			$195,940,264	$158,901,948	$37,038,318	

SECTION 1B / FEDERAL AID BRIDGE PROJECTS

Statewide Bridge Inspection Program

2017	BRI	STATEWIDE	MULTIPLE	BRIDGE INSPECTION		NHPP	$6,250,000	$5,000,000	$1,250,000	
				STATEWIDE BRIDGE INSPECTION PROGRAM SUBTOTAL:			$6,250,000	$5,000,000	$1,250,000	

Statewide Bridge Maintenance Program

2017	607512	BERKSHIRE	NORTH ADAMS	NORTH ADAMS- SYSTEMATIC BRIDGE MAINTENANCE, N-14-019, ROUTE 8A (HODGES CROSS RD.) OVER S. BRANCH HOOSIC RIVER	1	NHPP	$309,994	$247,995	$61,999	YOE = 4%
2017	607507	BOSTON	WAKEFIELD	WAKEFIELD - BRIDGE DECK REPLACEMENT BRIDGE NO. W-01-021 (2MF), HOPKINS STREET OVER I-95 / ST 128	4	NHPP	$2,469,936	$1,975,949	$493,987	
2017	606075	CENTRAL MASSACHUSETTS	OXFORD	OXFORD - STRUCTURAL STEEL CLEANING AND PAINTING AND OTHER RELATED WORK; BRIDGE NO. O-06-036 I-395 OVER DANA ROAD AND BRIDGE NO. O-06-037 I-395 SB OVER FEDERAL HILL ROAD	3	NHPP	$1,519,954	$1,215,963	$303,991	Construction / Design Status = TBD / Total Project Cost = $1,519,954
2017	607517	STATEWIDE	MULTIPLE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2017)	2	NHPP	$1,849,963	$1,479,971	$369,993	
2017	607514	STATEWIDE	MULTIPLE	DISTRICT 5- BRIDGE MAINTENANCE AT VARIOUS LOCATIONS ALONG THE ROUTE 24 & ROUTE 3 CORRIDORS	5	NHPP	$1,899,990	$1,519,992	$379,998	
2017	607499	STATEWIDE	MULTIPLE	DISTRICT 6- SYSTEMATIC BRIDGE MAINTENANCE ON SR 3	6	NHPP	$1,874,880	$1,499,904	$374,976	

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
				STATEWIDE BRIDGE MAINTENANCE PROGRAM SUBTOTAL:			$9,924,717	$7,939,774	$1,984,944	
Statewide Off-System Bridge Program										
2017	607550	BERKSHIRE	LEE	LEE- BRIDGE REPLACEMENT, CHAPEL ST OVER THE GREENWATER BROOK	1	STP-BR-OFF	$2,053,000	$1,642,400	$410,600	YOE = 4%
2017	607551	BERKSHIRE	LEE	LEE- BRIDGE REPLACEMENT, VALLEY ST OVER THE HOUSATONIC RIVER	1	STP-BR-OFF	$5,017,680	$4,014,144	$1,003,536	YOE = 4%
2017	608125	BERKSHIRE	SHEFFIELD	SHEFFIELD- BRIDGE REPLACEMENT, S-10-002, ROUTE 7A (ASHLEY FALLS RD) OVER THE HOUSATONIC RIVER	1	STP-BR-OFF	$5,584,696	$4,467,757	$1,116,939	YOE = 4%
2017	607584	FRANKLIN	COLRAIN	COLRAIN- BRIDGE REPLACEMENT, C-18-020, HEATH ROAD OVER WEST BRANCH NORTH RIVER	1	STP-BR-OFF	$2,655,800	$2,124,640	$531,160	Construction Phase. Design status - preliminary.
2017	607548	FRANKLIN	SHELBURNE	SHELBURNE- BRIDGE REPLACEMENT, S-11-006, BARDWELL FERRY ROAD OVER DRAGON BROOK	1	STP-BR-OFF	$2,371,600	$1,897,280	$474,320	Construction Phase. Design status - preliminary.
2017	607527	FRANKLIN	ORANGE	ORANGE- BRIDGE REPLACEMENT, O-03-009, HOLTSHIRE ROAD OVER MILLERS RIVER	2	STP-BR-OFF	$3,947,720	$3,158,176	$789,544	Construction Phase. Design status - preliminary.
2017	608250	MONTACHUSETT	ROYALSTON	ROYALSTON - BRIDGE REPLACEMENT, R-12-001, STOCKWELL ROAD OVER LAWRENCE BROOK	2	STP-BR-OFF	$1,075,360	$860,288	$215,072	Cost Est as of 5/28/15; Total Cost = $1,075,360 Adjusted for YOE by 4%; Bridge Off System; Construction;
2017	607529	MONTACHUSETT	WINCHENDON	WINCHENDON - BRIDGE REPAIR, N. ROYALSTON ROAD OVER WEST BRANCH OF MILLERS RIVER, W-39-015,	2	STP-BR-OFF	$2,624,440	$2,099,552	$524,888	Cost Est as of 5/28/15; Total Cost = $2,624,440 Adjusted for YOE by 4%; Bridge Off System; Construction;
2017	607549	PIONEER VALLEY	CHESTERFIELD	CHESTERFIELD - IRELAND STREET OVER WEST BRANCH OF WESTFIELD RIVER	1	STP-BR-OFF	$3,649,520	$2,919,616	$729,904	
2017	607528	PIONEER VALLEY	AMHERST	AMHERST- BRIDGE REPLACEMENT, A-08-008, MILL STREET OVER MILL RIVER	2	STP-BR-OFF	$2,754,040	$2,203,232	$550,808	
2017	602564	SOUTHEASTERN MASSACHUSETTS	CARVER	CARVER- MIDDLEBOROUGH- BRIDGE REPLACEMENT, C-04-004=M-18-025, ROCHESTER ROAD OVER WEWEANTIC RIVER	5	STP-BR-OFF	$3,835,720	$3,068,576	$767,144	
				STATEWIDE OFF-SYSTEM BRIDGE PROGRAM SUBTOTAL:			$35,569,576	$28,455,661	$7,113,915	
Statewide On System Bridge Program										
2017	607954	BOSTON	DANVERS	DANVERS - BRIDGE REPLACEMENT, D-03-018, ROUTE 128 OVER WATERS RIVER	4	NHPP	$10,513,973	$8,411,178	$2,102,795	
2017	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	$6,800,000	$5,440,000	$1,360,000	AC Yr 1 of 4; Total Cost = $45,000,000
2017	600867	BOSTON	BOSTON	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	NHPP	$7,109,795	$5,687,836	$1,421,959	AC Yr 2 of 2; Total Cost = $16,183,795

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	604173	BOSTON	BOSTON	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	$12,984,000	$10,387,200	$2,596,800	AC Yr 1 of 4; Total Cost = $117,208,000
2017	606553	BOSTON	MULTIPLE	HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET)	6	NHPP	$12,955,600	$10,364,480	$2,591,120	AC Yr 2 of 2; Total Cost = $41,955,600
2017	607671	FRANKLIN	HEATH	HEATH- BRIDGE REPLACEMENT, H-14-001, SR 8A (JACKSONVILLE STREET) OVER MILL BROOK	1	NHPP	$1,901,880	$1,521,504	$380,376	Construction Phase. Design status - preliminary.
2017	604029	MARTHA'S VINEYARD	MULTIPLE	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	NHPP	$1,632,532	$1,306,026	$326,506	
2017	605094	MONTACHUSETT	FITCHBURG	FITCHBURG - BRIDGE BETTERMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	3	NHPP	$5,439,420	$4,351,536	$1,087,884	Cost Est as of 5/28/15; Total Cost = $5,439,420 Adjusted for YOE by 4%; Construction;
2017	605384	PIONEER VALLEY	AGAWAM	AGAWAM- WEST SPRINGFIELD- BRIDGE RECONSTRUCTION, A-05-002=W-21-014, ROUTE 147 OVER THE WESTFIELD RIVER & INTERSECTION & SIGNAL IMPROVEMENTS @ 3 LOCATIONS	2	NHPP	$14,757,120	$11,805,696	$2,951,424	
2017	606525	SOUTHEASTERN MASSACHUSETTS	ATTLEBORO	ATTLEBORO- SUPERSTRUCTURE REPLACEMENT, A-16-053, I-95 (NB & SB) OVER NORTH AVENUE	5	NHPP	$496,570	$397,256	$99,314	AC Yr 3 of 3; Total Cost = $22,361,409
2017	605328	SOUTHEASTERN MASSACHUSETTS	RAYNHAM	RAYNHAM- BRIDGE REPLACEMENT, R-02-013 (3PA), US 44 (CAPE HIGHWAY) OVER SR 24	5	NHPP	$22,213,170	$17,770,536	$4,442,634	
				STATEWIDE ON SYSTEM BRIDGE PROGRAM SUBTOTAL:			$96,804,060	$77,443,248	$19,360,812	
				SECTION 1B / FEDERAL AID BRIDGE PROJECTS TOTAL:			$148,548,353	$118,838,683	$29,709,671	

SECTION 1C / FEDERAL AID NON TARGET PROJECTS

Other Federal Aid

2017	601630	BOSTON	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	HPP (1998)	$6,171,760	$4,937,408	$1,234,352	AC Yr 2 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = $60,053,518
2017	605674	CENTRAL MASSACHUSETTS	STURBRIDGE	STURBRIDGE - GRAND TRUNK TRAIL	3	HPP	$507,500	$406,000	$101,500	Construction / HPP#2439 - MA162 / Design Status = 25% / Total Project Cost = $507,500
2017	605820	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET	3	HPP	$118,900	$95,120	$23,780	Design / HPP#2509 - MA165 / Design Status = 25% / Total Project Cost = $6,058,072

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	606434	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - CENTRAL BUSINESS DISTRICT STREETSCAPE IMPROVEMENTS	3	HPP	$5,625,000	$4,500,000	$1,125,000	Construction / HPP#4266 - MA185 / Design Status = 25% / Total Project Cost = $5,625,000
2017	605820	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET	3	HPP	$5,939,173	$4,751,338	$1,187,835	Construction / HPP#4283 - MA202, HPP#2218 - MA157, HPP#2509 - MA165 & MA006 / Design Status = 25% / Total Project Cost = $6,058,072
2017	606888	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - BLACKSTONE CANAL STREETSCAPE IMPROVEMENTS ON HARDING STREET	3	SEC 129	$735,000	$735,000	$0	Construction / MA238 / Design Status = 25% / Total Project Cost = $735,000 / This project is 100% Federally funded
2017	604893	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - STREETSCAPE IMPROVEMENTS AT MAIN STREET & MAYWOOD STREET	3	TI	$120,000	$96,000	$24,000	Design / TI#177 - MA213 / Design Status = Pre 25% / Total Project Cost = $2,405,798
2017	604893	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - STREETSCAPE IMPROVEMENTS AT MAIN STREET & MAYWOOD STREET	3	TI	$2,285,798	$1,828,638	$457,160	Construction / TI#177 - MA213 / Design Status = Pre 25% / Total Project Cost = $2,405,798
2017	607253	FRANKLIN	ERVING	ERVING- STREETSCAPE & PEDESTRIAN IMPROVEMENTS ON ROUTE 63, FROM RIVER STREET TO 1,200 FT. NORTH OF LILLIAN WAY (1 MILE)	2	SEC 115	$450,000	$0	$450,000	Construction Phase. Demo ID MA069. 2004 Earmark - 100% Federal.
2017	607347	MONTACHUSETT	GARDNER	GARDNER- BIKE PATH CONSTRUCTION, NORTH CENTRAL PATHWAY (PHASE VI)	3	HPP	$1,040,000	$832,000	$208,000	HPP #1798 MA 148 Earmark: YOE Cost = $1,040,000; Non Adjusted Total Cost = $1,000,000 (as of 4/9/14); Total Design = $112,000 included in FFY 2013 TIP Amendment No. 2 MPO Endorsed 6/12/13; Total Estimated Design & Construction = $1,112,000 Non Adjusted; C
2017	603449	PIONEER VALLEY	WESTFIELD	WESTFIELD- ROUTE 20 ACCESS IMPROVEMENTS ON COURT STREET & WESTERN AVENUE, FROM LLEWELLYN DRIVE EASTERLY TO LLOYDS HILL ROAD (PHASE I)	2	HPP	$2,503,688	$2,002,950	$500,738	36 TEC Score, 25% Design, HPP-4287 $2,503,688 Total with Match (YOE $2,702,868)
				OTHER FEDERAL AID SUBTOTAL:			$25,496,819	$20,184,454	$5,312,365	
				SECTION 1C / FEDERAL AID NON-TARGET PROJECTS TOTAL:			$25,496,819	$20,184,454	$5,312,365	

SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS

Other Statewide Items

2017	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		NHPP	$58,772,431	$58,772,431	$0	AC Year 3 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
2017	SPL	STATEWIDE	MULTIPLE	PLANNING		PL	$32,250,000	$25,800,000	$6,450,000	

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	SRT	STATEWIDE	MULTIPLE	RECREATIONAL TRAILS		REC	$1,000,000	$800,000	$200,000	
2017	MSC	STATEWIDE	MULTIPLE	DBES, MISC PROGRAMS		STP	$1,000,000	$800,000	$200,000	
2017	EWO	STATEWIDE	MULTIPLE	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC		STP	$31,152,018	$24,921,614	$6,230,404	
2017	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		STP-BR-Off	$377,569	$377,569	$0	AC Year 3 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
				OTHER STATEWIDE ITEMS SUBTOTAL:			$124,552,018	$111,471,614	$13,080,404	
Statewide ADA Implementation Plan										
2017	607038	STATEWIDE	MULTIPLE	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	3	STP-TE	$600,000	$480,000	$120,000	
2017	607039	STATEWIDE	MULTIPLE	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	4	STP-TE	$600,000	$480,000	$120,000	
2017	607041	STATEWIDE	MULTIPLE	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	5	STP-TE	$575,000	$460,000	$115,000	
2017	607042	STATEWIDE	MULTIPLE	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	6	STP-TE	$500,000	$400,000	$328,000	
				STATEWIDE ADA IMPLEMENTATION PLAN SUBTOTAL:			$2,275,000	$1,820,000	$683,000	
Statewide CMAQ										
2017	607570	BERKSHIRE	LEE	LEE - BIKEWAY (PHASE 1)	1	CMAQ	$3,619,200	$2,895,360	$723,840	Programmed in FFY17 of FFY14-17 STIP. The Lee Bikeway lies along the BSG Berkshire corridor
2017	606891	BERKSHIRE	PITTSFIELD	PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENTION	1	CMAQ	$2,261,121	$1,808,897	$452,224	Construction; Statewide CMAQ + STP-TE; Total Project Cost = 2,561,121; YOE = 4%
2017	602165	BOSTON	STONEHAM	STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET	4	CMAQ	$1,532,550	$1,226,040	$306,510	
2017	607398	CAPE COD	YARMOUTH	YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, FROM STATION AVENUE (YARMOUTH) TO ROUTE 132 (BARNSTABLE)	5	CMAQ	$8,100,000	$6,480,000	$1,620,000	Statewide CMAQ funding for $8,100,000. Land acquisition, survey, and design in process.
2017	603251	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - SIGNAL & INTERSECTION IMPROVEMENTS @ HOLDEN STREET, DRUMMOND AVENUE & SHORE DRIVE	3	CMAQ	$1,811,466	$1,449,173	$362,293	Construction / Design Status = TBD / CMAQ + Statewide CMAQ Total Project Cost = $2,791,146
2017	607411	MARTHA'S VINEYARD	TISBURY	TISBURY - Bike and Ped improvements along Beach Road from the termination of the existing shared use path westerly to the Five Corners intersection	5	CMAQ	$1,123,200	$898,560	$224,640	

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	607860	OLD COLONY	WHITMAN	WHITMAN - TRAFFIC SIGNAL IMPROVEMENTS & RELATED WORK ON BEDFORD STREET (ROUTE 18) AT 2 LOCATIONS: AUBURN STREET (ROUTE 14) & TEMPLE STREET (ROUTE 27)	5	CMAQ	$2,600,052	$2,080,042	$520,010	YOE is $2,600,052; Pre 25% Design; TEC Score is 9.25
2017	602911	PIONEER VALLEY	CHICOPEE	CHICOPEE- CONNECTICUT RIVERWALK & BIKEWAY CONSTRUCTION, FROM BOAT RAMP NEAR I-90 TO NASH FIELD (2.5 MILES)	2	CMAQ	$3,902,850	$3,122,280	$780,570	27 TEC Score 25% ($3,902,850)
2017	606450	PIONEER VALLEY	HOLYOKE	HOLYOKE- TRAFFIC SIGNAL UPGRADES AT 15 INTERSECTIONS ALONG HIGH & MAPLE STREETS	2	CMAQ	$1,564,867	$1,251,894	$312,973	36.5 TEC Score Pre 25% ($1,564,867)
2017	606555	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- ROUNDABOUT CONSTRUCTION AT INTERSECTION ROUTES 5/10 (NORTH KING STREET) & HATFIELD STREET	2	CMAQ	$2,989,892	$2,391,914	$597,978	42.5 TEC Score 25% ($2,989,892)
2017	603783	PIONEER VALLEY	WESTFIELD	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION (CENTER DOWNTOWN SECTION), FROM EAST SILVER STREET TO COWLES COURT, INCLUDES W-25,014, W-25-015, W-25-016, W-25-017, W-25-018 & W-25-019	2	CMAQ	$6,532,895	$5,226,316	$1,306,579	36.6 TEC Score 75% Design ($6,532,895)
2017	EVCHG	STATEWIDE	MULTIPLE	STATEWIDE - ELECTRIC VEHICLE PLUG IN CHARGING STATIONS		CMAQ	$500,000	$400,000	$100,000	
2017	ADAPT	STATEWIDE	MULTIPLE	ADAPTIVE SIGNAL CONTROLS AT INTERSECTIONS		CMAQ	$520,000	$416,000	$104,000	
2017	ALTFUL	STATEWIDE	MULTIPLE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS		CMAQ	$1,000,000	$800,000	$200,000	
2017	PRKLOT	STATEWIDE	MULTIPLE	PARK AND RIDE LOT EXPANSION/CONSTRUCTION/IMPROVEMENT PROGRAM		CMAQ	$2,000,000	$1,600,000	$400,000	
2017	82865	STATEWIDE	MULTIPLE	MASSRIDES -- TRAVEL OPTIONS PROGRAM		CMAQ	$2,549,545	$2,039,636	$509,909	AC Yr 3 of 5
				STATEWIDE CMAQ SUBTOTAL:			$42,607,638	$34,086,112	$8,521,526	

Statewide HSIP Program

2017	607754	BOSTON	MILTON	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT GRANITE AVENUE & SQUANTUM STREET	6	HSIP	$350,000	$315,000	$35,000	
2017	607960	MONTACHUSETT	ASHBURNHAM	ASHBURNHAM- ROUTE 101 AT WILLIAMS AND COREY HILL ROAD, INTERSECTION IMPROVEMENTS	3	STP	$624,000	$561,600	$62,400	AC Yr 2 of 2. Total Cost = $1,248,000
2017	607736	PIONEER VALLEY	CHICOPEE	CHICOPEE- SIGNAL & INTERSECTION IMPROVEMENTS AT 11 INTERSECTIONS ALONG ROUTE 33 (MEMORIAL DRIVE), FROM FULLER ROAD TO BRITTON STREET	2	HSIP	$4,100,000	$3,690,000	$410,000	38.5 TEC Score Pre 25% (YOE $4,100,000)
2017	SHSP	STATEWIDE	MULTIPLE	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES		HSIP	$5,470,444	$4,923,400	$547,044	
2017	607496	STATEWIDE	MULTIPLE	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE II)		HSIP	$8,400,000	$7,560,000	$840,000	AC year 1 of 2. TFPC = $17,733,444

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	607916	STATEWIDE	MULTIPLE	FALL RIVER TO RANDOLPH- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 24	5	HSIP	$5,500,000	$4,950,000	$550,000	
				STATEWIDE HSIP PROGRAM SUBTOTAL:			$24,444,444	$22,000,000	$2,444,444	
Statewide Infrastructure Program										
2017	603917	BOSTON	MEDFORD	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	4	STP	$2,500,000	$2,000,000	$500,000	AC Year 2 of 2; Total Cost = $17,500,000
2017	605733	BOSTON	MULTIPLE	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	6	STP	$4,500,000	$3,600,000	$900,000	AC Year 2 of 3; Total Cost = $8,250,000
2017	607731	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	2	NHPP	$9,000,000	$7,200,000	$1,800,000	AC Yr 4 of 4. Total Cost = $183M.
				STATEWIDE INFRASTRUCTURE PROGRAM SUBTOTAL:			$16,000,000	$12,800,000	$3,200,000	
Statewide Intelligent Transportation System										
2017	607485	STATEWIDE	MULTIPLE	STATEWIDE- RTTM EXPANSION/ENHANCEMENT DISTRICTS 1-6		CMAQ	$1,750,000	$1,400,000	$350,000	
2017	608140	STATEWIDE	MULTIPLE	DISTRICT 5,6 ITS CONSTRUCTION ON I-95 FROM CANTON TO ATTLEBORO 26.7 MILES		CMAQ	$4,061,577	$3,249,262	$812,315	AC YR 1 of 2. Total project cost $6,711,577
2017	607424	STATEWIDE	MULTIPLE	STATEWIDE- ITS ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS) SOFTWARE		CMAQ	$4,138,423	$3,310,738	$827,685	AC Year 3 of 3. Total Project Cost $11,200,000.
2017	607482	STATEWIDE	MULTIPLE	DISTRICT 5&6- ITS CONSTRUCTION ON ROUTE 3, FROM BRAINTREE TO PLYMOUTH (42 MILES)		CMAQ	$6,250,000	$5,000,000	$1,250,000	AC YR 2 of 2 Total project cost $6,337,000
				STATEWIDE INTELLIGENT TRANSPORTATION SYSTEM SUBTOTAL:			$16,200,000	$12,960,000	$3,240,000	
Statewide Interstate Maintenance Program										
2017	607481	BOSTON	RANDOLPH	RANDOLPH- QUINCY- BRAINTREE- RESURFACING & RELATED WORK ON I-93	6	NHPP	$12,137,008	$10,923,307	$1,213,701	
2017	607562	CENTRAL MASSACHUSETTS	MULTIPLE	WEBSTER-OXFORD - INTERSTATE MAINTENANCE & RELATED WORK ON I-395	3	NHPP	$7,620,912	$6,858,821	$762,091	Construction / Design Status = TBD / Total Project Cost = $7,620,912
2017	607478	FRANKLIN	MULTIPLE	DEERFIELD- GREENFIELD- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91 (6.2 MILES)	2	NHPP	$10,499,923	$9,449,931	$1,049,992	Construction Phase. $10,655,923 Total Cost = $10,499,923 IM + $156,000 Stormwater. Design Status = preliminary
2017	607561	MERRIMACK VALLEY	MULTIPLE	ANDOVER- METHUEN- INTERSTATE MAINTENANCE & RELATED WORK ON I-93	4	NHPP	$10,387,021	$9,348,319	$1,038,702	$11,011,021 Total Cost = $11,011,021 (inflated 4% from 2016) = $10,387,019 IM + $624k Stormwater. Cost inflated 4% from 2016 cost. (Construction) (M)
2017	606575	MONTACHUSETT	MULTIPLE	STERLING - LEOMINSTER - LANCASTER - INTERSTATE MAINTENANCE & RELATED WORK ON I-190	3	NHPP	$17,612,774	$15,851,497	$1,761,277	Cost Est as of 5/20/15; Total Cost = $17,768774; Cost = $17,612,774 IM + $156,000 Stormwater; Construction

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2017	607563	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	WAREHAM - ROCHESTER - MIDDLEBORO - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	5	NHPP	$12,604,694	$11,344,225	$1,260,469	$13,384,693 Total Cost = $12,604,694 IM + $780k Stormwater
				STATEWIDE INTERSTATE MAINTENANCE PROGRAM SUBTOTAL:			$70,862,332	$63,776,099	$7,086,233	
Statewide NHS Preservation Program										
2017	607477	BOSTON	LYNNFIELD	LYNNFIELD- PEABODY- RESURFACING & RELATED WORK ON ROUTE 1	4	NHPP	$7,721,542	$6,177,234	$1,544,308	
2017	608201	CAPE COD	HARWICH	HARWICH - BREWSTER - ORLEANS - RESURFACINGAND RELATED WORK ON RT. 6	5	NHPP	$6,506,614	$5,205,291	$1,301,323	Total programmed = $7,026,614 = $6,506,614 NHPP + $520,000 STP-TE (under Statewide Stormwater Program)
2017	607475	MONTACHUSETT	WINCHENDON	WINCHENDON - RESURFACING & RELATED WORK ON ROUTE 12, FROM MILL STREET/BEGINNING OF STATE HIGHWAY TO NEW HAMPSHIRE STATE LINE (2.5 MILES)	2	NHPP	$1,879,150	$1,503,320	$375,830	Cost Est as of 5/20/15; Total Cost = $1,879,150 Adjusted for YOE; Construction
2017	608176	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	BERKLEY-RAYNHAM-TAUNTON- RESURFACING & RELATED WORK ON ROUTE 24	5	NHPP	$11,466,711	$9,173,369	$2,293,342	
2017	607988	STATEWIDE	MULTIPLE	KINGSTON DUXBURY MARSHFIELD - RESURFACING AND RELATED WORK ON ROUTE 3	5	NHPP	$15,713,069	$12,570,455	$3,142,614	
				STATEWIDE NHS PRESERVATION PROGRAM SUBTOTAL:			$43,287,086	$34,629,669	$8,657,417	
Statewide RR Grade Crossings										
2017	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS		RRHE	$4,444,444	$4,000,000	$444,444	
2017	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS		RRPD	$4,444,444	$4,000,000	$444,444	
				STATEWIDE RR GRADE CROSSINGS SUBTOTAL:			$8,888,888	$8,000,000	$888,888	
Statewide Safe Routes to Schools Program										
2017	608004	BOSTON	WATERTOWN	WATERTOWN - SAFE ROUTES TO SCHOOL (HOSMER ELEMENTARY)	6	TAP	$903,500	$722,800	$180,700	
2017	608003	BOSTON	WEYMOUTH	WEYMOUTH - SAFE ROUTES TO SCHOOL (PINGREE ELEMENTARY)	6	TAP	$754,000	$603,200	$150,800	
2017	608001	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER - SAFE ROUTES TO SCHOOL (VIVEIROS ELEMENTARY)	5	TAP	$1,040,000	$832,000	$208,000	80% Federal + 20% Non-Federal
2017	SRTS	STATEWIDE	MULTIPLE	SRTS - Planning & Design and selected schools		STP-TE	$907,726	$726,181	$181,545	
2017	SRTS	STATEWIDE	MULTIPLE	SRTS - Education		STP-TE	$947,835	$758,268	$189,567	
2017	SRTS	STATEWIDE	MULTIPLE	SRTS Projects		TAP	$1,696,939	$1,357,551	$339,388	Projects TBD

2017

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
				STATEWIDE SAFE ROUTES TO SCHOOLS PROGRAM SUBTOTAL:			$6,250,000	$5,000,000	$1,250,000	
Statewide Stormwater Retrofits										
2017	608201	CAPE COD	HARWICH	HARWICH - BREWSTER - ORLEANS - RESURFACINGAND RELATED WORK ON RT. 6	5	STP-TE	$520,000	$416,000	$104,000	Total programmed = $7,026,614 = $6,506,614 NHPP + $520,000 STP-TE (under Statewide Stormwater Program)
2017	607478	FRANKLIN	MULTIPLE	DEERFIELD- GREENFIELD- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91 (6.2 MILES)	2	STP-TE	$156,000	$124,800	$31,200	Construction Phase. $10,655,923 Total Cost = $10,499,923 IM + $156,000 Stormwater. Design Status = preliminary
2017	607561	MERRIMACK VALLEY	MULTIPLE	ANDOVER - METUEN - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	4	STP-TE	$624,000	$499,200	$124,800	$11,011,021 Total Cost = $11,011,021 (inflated 4% from 2016) = $10,387,019 IM + $624k Stormwater. Cost inflated 4% from 2016 cost. (Construction) (M)
2017	606575	MONTACHUSETT	MULTIPLE	STERLING - LEOMINSTER - LANCASTER - INTERSTATE MAINTENANCE & RELATED WORK ON I-190	3	STP-TE	$156,000	$124,800	$31,200	Cost Est as of 5/20/15; Total Cost = $17,768774; Cost = $17,612,774 IM + $156,000 Stormwater; Construction
2017	608192	PIONEER VALLEY	MULTIPLE	AGAWAM-CHICOPEE-HOLYOKE-SPRINGFIELD-WEST SPRINGFIELD - STORMWATER IMPROVEMENTS ALONG I-91, I-291, I-391, AND ROUTE 5	2	STP-TE	$1,872,000	$1,497,600	$374,400	
2017	607563	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	WAREHAM - ROCHESTER - MIDDLEBORO - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	5	STP-TE	$780,000	$624,000	$156,000	$13,384,693 Total Cost = $12,604,694 IM + $780k Stormwater
2017	607992	STATEWIDE	MULTIPLE	ANDOVER - BEDFORD - BILLERICA - TEWKSBURY - STORMWATER IMPROVEMENTS ALONG I-93, ROUTE 3 AND ROUTE 3A	4	STP-TE	$1,497,600	$1,198,080	$299,520	
				STATEWIDE STORMWATER RETROFITS SUBTOTAL:			$5,605,600	$4,484,480	$1,121,120	
Statewide Transportation Enhancements										
2017	607254	BERKSHIRE	NORTH ADAMS	NORTH ADAMS/ WILLIAMSTOWN - MOHAWK BIKE TRAIL PROJECT	1	STP-TE	$4,906,138	$3,924,910	$981,228	Construction; YOE = 4%
2017	606891	BERKSHIRE	PITTSFIELD	PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENTION	1	STP-TE	$300,000	$240,000	$60,000	Construction; YOE 4%; $300,000 STP-TE + $2,261,121 CMAQ=$2,561,121
				STATEWIDE TRANSPORTATION ENHANCEMENTS SUBTOTAL:			$5,206,138	$4,164,910	$1,041,228	
				SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS TOTAL:			$366,179,144	$315,192,885	$51,214,259	

2017

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 / NON-FEDERAL PROJECTS										
Non Federal Aid										
2017	1572	BOSTON		RED LINE-BLUE LINE CONNECTOR DESIGN	NA	NFA	$10,000,000	$0	$10,000,000	MassDOT made a formal request on Aug. 1, 2011, to remove this project from the State Implementation Plan regulation. The MPO is continuing to reference this project in the document until the process is complete.
2017	1568	BOSTON		FAIRMOUNT IMPROVEMENTS	NA	NFA	$11,574,800	$0	$11,574,800	Lists cash flows (based on state fiscal year)
				NON FEDERAL AID SUBTOTAL:			$21,574,800	$0	$21,574,800	
				SECTION 2A / NON-FEDERAL PROJECTS TOTAL:			$21,574,800	$0	$21,574,800	
TOTAL		**YEAR 2017**					**$757,739,380**	**$613,117,970**	**$144,849,413**	

2018

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 / FEDERAL AID TARGET PROJECTS										
CMAQ - Congestion Mitigation and Air Quality Improvement Program										
2018	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	CMAQ	$1,112,389	$889,911	$222,478	AC - Year 2 of 2; STP + CMAQ + HSIP; Total Cost = 7,384,000; MPO evaluation score 6 of 7; Design Status: <25%; YOE = 4%
2018	606635	BOSTON	NEEDHAM	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	CMAQ	$3,687,911	$2,950,329	$737,582	CMAQ+HSIP+TAP+STP Total Cost = 15,464,292
2018	1569	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	NA	CMAQ	$13,427,220	$10,741,776	$2,685,444	Yr 3 of 6; CMAQ+STP Total Cost = $190,100,000 ($158,000,000 programmed within FFYs 2016-20 TIP)
2018	201801	CAPE COD	BARNSTABLE	BARNSTABLE - HYANNIS VILLAGER DEMONSTATION	5	CMAQ	$711,828	$569,462	$142,366	CMAQ -> FTA Transfer. Total cost,programmed with 8% inflation applied = $711,828. Year 3 of 3.
2018	606272	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	CMAQ	$5,401,284	$4,321,027	$1,080,257	Total programmed with 8% inflation applied = $6,400,598 = $5,401,284 CMAQ + $540,800 statewide CMAQ + $458,514 HSIP. 25% design submitted. RSA performed; CMAQ Analysis to be performed.
2018	607397	CAPE COD	WELLFLEET	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	CMAQ	$2,007,694	$1,606,155	$401,539	Total programmed with 8% inflation applied = $2,240,000 = $2,007,964 CMAQ + $232,306 TAP. Preliminary design. Municipality is proponent.
2018	601368	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - RESURFACING & RELATED WORK ON ROUTE 122 (GRAFTON STREET), FROM WASHINGTON SQUARE TO RICE SQUARE (1.4 MILES)	3	CMAQ	$2,924,646	$2,339,717	$584,929	Construction / Design Status = 25% / TEC Score = 5.1 / HSIP + CMAQ Total Project Cost = $6,326,278
2018	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	CMAQ	$793,671	$634,937	$158,734	Construction Phase. Total cost estimate of $4,467,201 inflated 4% per year to $4,831,725. Project to be funded with a combination of STP and CMAQ. Design Status - 25%. A/C year 1 of 2. TEC = 10.3
2018	607411	MARTHA'S VINEYARD	TISBURY	TISBURY - Bike and Ped improvements along Beach Road from the termination of the existing shared use path westerly to the Five Corners intersection	5	CMAQ	$637,218	$509,774	$127,444	Advanced Construction, Year 2 of 2, with a total estimated cost of approximately $2,300,000 for the 1/2 mile roadway section. This is a MassDOT project with GPI as consultant.

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	605020	MERRIMACK VALLEY	SALISBURY	SALISBURY - MULTI-USE TRAIL EXTENSION (BORDERS TO BOSTON TRAIL)	4	CMAQ	$6,260,607	$5,008,486	$1,252,121	Total Project Cost = $6,657,508 cost inflated 8% from 2016 cost. FY 2018 CMAQ + TAP (Construction) TEC = 6.08 out of 18. (C) Project Proponent is the Town of Salisbury
2018	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	CMAQ	$1,393,611	$1,114,889	$278,722	HSIP/CMAQ/TAP/STP; Total Cost = $3,741,288 Adjusted for YOE by 8%; Non Adjusted Total Cost = $3,459,031 (as of 6/17/15); Construction; TEC 61 of 100; 25% Design; Cost includes utilites; AQ analysis shows positive impact
2018	608037	NORTHERN MIDDLESEX	WESTFORD	WESTFORD-TRAFFIC SIGNAL INSTALLATION AND INTERSECTION IMPROVEMENTS AT RTE 40 AND DUNSTABLE RD	3	CMAQ	$1,221,753	$977,402	$244,351	Total project Cost FFY 2018 YOE $1,730,560 ($1,600,000); Funding Source HSIP, CMAQ; TEC = 6.27
2018	606143	OLD COLONY	BROCKTON	BROCKTON- INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/QUINCY STREET/MASSASOIT BOULEVARD	5	CMAQ	$3,897,438	$3,117,950	$779,488	YOE is $3,897,438; 25% Design; TEC Score is 8.25
2018	607502	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON - INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	2	CMAQ	$1,512,774	$1,210,219	$302,555	57 TEC Score Pre 25% (YOE $1,763,802) CMAQ, STP
2018	604597	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	2	CMAQ	$1,800,000	$1,440,000	$360,000	61 TEC Score 25% (YOE $6,480,000) STP, CMAQ, HSIP, TAP
2018	607339	SOUTHEASTERN MASSACHUSETTS	ATTLEBORO	ATTLEBORO - INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	5	CMAQ	$3,103,990	$2,483,192	$620,798	HSIP ($896,010) / CMAQ ($3,103,990) Total Cost = $4,000,000; Construction; EC Score 53 Of 93; Status Pre 25% Anticipating Project will be HSIP & CMAQ eligible, pending further analysis.
2018	607531	SOUTHEASTERN MASSACHUSETTS	NORTON	NORTON - EAST MAIN STREET (ROUTE 123), FROM PINE STREET TO I-495, CORRIDOR IMPROVEMENTS PLUS TRAFFIC SIGNAL INSTALLATION ON ROUTE I-495 (NB & SB) RAMPS AT EAST MAIN STREET (ROUTE 12	5	CMAQ	$2,000,000	$1,600,000	$400,000	STP ($4,749,409) / CMAQ ($2,000,000) Total Cost = $6,749,409; Construction; EC Score 28 Of 93; Status Pre 25% Anticipating Project will Partially CMAQ eligible, pending further analysis.
				CMAQ - CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM SUBTOTAL:			$51,894,034	$41,515,226	$10,378,808	

HSIP - Highway Safety Improvement Program

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	HSIP	$355,964	$320,368	$35,596	AC - Year 2 of 2; STP + CMAQ + HSIP; Total Cost = 7,384,000; MPO evaluation score 6 of 7; Design Status: <25%; YOE = 4%
2018	600518	BOSTON	HINGHAM	HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET	5	HSIP	$611,547	$550,392	$61,155	STP+HSIP Total Cost = $3,057,735

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	606635	BOSTON	NEEDHAM	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	HSIP	$2,319,644	$2,087,679	$231,964	CMAQ+HSIP+TAP+STP Total Cost = 15,464,292
2018	606272	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	HSIP	$458,514	$412,663	$45,851	Total programmed with 8% inflation applied = $6,400,598 = $5,401,284 CMAQ + $540,800 statewide CMAQ + $458,514 HSIP. 25% design submitted. RSA performed; CMAQ Analysis to be performed.
2018	601368	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - RESURFACING & RELATED WORK ON ROUTE 122 (GRAFTON STREET), FROM WASHINGTON SQUARE TO RICE SQUARE (1.4 MILES)	3	HSIP	$3,401,632	$3,061,469	$340,163	Construction / Design Status = 25% / TEC Score = 5.1 / HSIP + CMAQ Total Project Cost = $6,326,278
2018	607411	MARTHA'S VINEYARD	TISBURY	TISBURY - Bike and Ped improvements along Beach Road from the termination of the existing shared use path westerly to the Five Corners intersection	5	HSIP	$30,997	$27,897	$3,100	Advanced Construction, Year 2 of 2, with a total estimated cost of approximately $2,300,000 for the 1/2 mile roadway section. This is a MassDOT project with GPI as consultant.
2018	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	HSIP	$445,955	$401,360	$44,596	HSIP/CMAQ/TAP/STP; Total Cost = $3,741,288 Adjusted for YOE by 8%; Non Adjusted Total Cost = $3,459,031 (as of 6/17/15); Construction; TEC 61 of 100; 25% Design; Cost includes utilites; AQ analysis shows positive impact
2018	608037	NORTHERN MIDDLESEX	WESTFORD	WESTFORD-TRAFFIC SIGNAL INSTALLATION AND INTERSECTION IMPROVEMENTS AT RTE 40 AND DUNSTABLE RD	3	HSIP	$508,807	$457,926	$50,881	Total project Cost FFY 2018 YOE $1,730,560 ($1,600,000); Funding Source HSIP, CMAQ; TEC = 6.27
2018	604597	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	2	HSIP	$1,080,992	$972,893	$108,099	61 TEC Score 25% (YOE $6,480,000) STP, CMAQ, HSIP, TAP
2018	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	HSIP ($896,010) / CMAQ ($3,103,990) Total Cost = $4,000,000; Construction; EC Score 53 Of 93; Status Pre 25% Anticipating Project will be HSIP & CMAQ eligible, pending further analysis.
2018	607871	SOUTHEASTERN MASSACHUSETTS	DARTMOUTH	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	5	HSIP	$896,010	$806,409	$89,601	HSIP ($896,010) / STP ($2,590,981) / TAP ($556,278) Total Cost = $4,043,269; Construction; EC Score 60 Of 93; Status Pre 25% Anticipating Project will be HSIP & CMAQ eligible, pending furt
				HSIP - HIGHWAY SAFETY IMPROVEMENT PROGRAM SUBTOTAL:			$11,006,072	$9,905,465	$1,100,607	

2018

Non-CMAQ/HSIP/TAP (Other)

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	STP	$3,027,495	$2,421,996	$605,499	AC - Year 2 of 2; STP + CMAQ + HSIP; Total Cost = 7,384,000; MPO evaluation score 6 of 7; Design Status: <25%; YOE = 4%
2018	600518	BOSTON	HINGHAM	HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET	5	STP	$2,446,188	$1,956,950	$489,238	STP+HSIP Total Cost = $3,057,735
2018	603711	BOSTON	NEEDHAM	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	6	NHPP	$13,168,183	$10,534,546	$2,633,637	AC Yr 5 of 5; NHPP+BR+Statewide Infrastructure Total Cost = $164,919,140 ($56,154,316 programmed within FFYs 2016-20 TIP)
2018	606635	BOSTON	NEEDHAM	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	STP	$6,144,648	$4,915,718	$1,228,930	CMAQ+HSIP+TAP+STP Total Cost = 15,464,292
2018	601630	BOSTON	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	STP	$21,031,758	$16,825,406	$4,206,352	AC Yr 3 of 4; STP+HSIP+TEA-21 Earmark Total Cost = $60,053,518
2018	1569	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	NA	STP	$26,572,780	$21,258,224	$5,314,556	Yr 3 of 6; CMAQ+STP Total Cost = $190,100,000 ($158,000,000 programmed within FFYs 2016-20 TIP)
2018	606440	CENTRAL MASSACHUSETTS	PRINCETON	PRINCETON - RECLAMATION ON ROUTE 140, FROM STERLING T.L. TO ROUTE 31	3	STP	$6,611,821	$5,289,457	$1,322,364	Construction / TEC Score = 4.3 / Design Status = 25% / TAP + STP Total Project Cost = $7,165,600
2018	604948	CENTRAL MASSACHUSETTS	UXBRIDGE	UXBRIDGE - RECONSTRUCTION OF ROUTE 122 (NORTH MAIN STREET), FROM HARTFORD AVENUE TO ROUTE 16	3	STP	$4,611,942	$3,689,554	$922,388	Construction / TEC Score = 4.3 / Design Status = 75% / Total Project Cost = $4,611,942
2018	606507	FRANKLIN	CHARLEMONT	CHARLEMONT - ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM 2 MM 29.5 TO MM 31.0	1	STP	$1,261,165	$1,008,932	$252,233	Construction Phase. Total project cost estimate of $5,750,000 is inflated 4% to $5,980,000. This project will be funded with a combination of STP and CMAQ. A/C Year 2/2. Design Status - preliminary. TEC = 9.4
2018	607538	FRANKLIN	COLRAIN	COLRAIN- INTERSECTION IMPROVEMENTS @ MAIN ROAD, JACKSONVILLE ROAD (ROUTE 112) & GREENFIELD ROAD	1	STP	$1,622,400	$1,297,920	$324,480	Construction Phase. Total cost estimate of $1,500,000 inflated 4% per year to $1,622,400. Design Status = preliminary (pre-25%). TEC = 11.3

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	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	STP	$1,543,847	$1,235,078	$308,769	Construction Phase. Total cost estimate of $4,467,201 inflated 4% to $4,831,725. Project to be funded with a combination of STP and CMAQ. Design Status - 25%. A/C year 1 of 2. TEC = 10.3
2018	602418	MERRIMACK VALLEY	AMESBURY	AMESBURY - RECONSTRUCTION OF ELM STREET	4	STP	$2,390,107	$1,912,086	$478,021	AC Year 1 of 2. Total Project Cost = $9,077,146 cost inflated 8% from 2016 cost. FY 2018 STP + 2019 STP (Construction) TEC = 5.98 out of 18. (C)
2018	607321	MONTACHUSETT	TEMPLETON	TEMPLETON - RESURFACING & RELATED WORK ON A SECTION OF ROUTE 68 FROM THE GARDNER CITY LINE TO THE END OF STATE HIGHWAY (2.0 MILES)	2	STP	$2,087,488	$1,669,990	$417,498	75% Received 3/5/15; Total Cost = $2,087,488 Adjusted for YOE by 8%; Non Adjusted Total Cost = $1,930,000 (as of 4/10/15); TEC 27 of 100; Construction; Originally FY 2019 - Moved Due to Fiscal Constraint Issues
2018	607252	MONTACHUSETT	GARDNER	GARDNER - RESURFACING & RELATED WORK ON MATTHEW STREET	3	STP	$865,280	$692,224	$173,056	100% design due 4/30/15; city to design; Total Cost = $865,280 Adjusted for YOE by 8%; Non Adjusted Total Est Cost = $800,000 as of 6/17/15; TEC 11 of 100; Construction; Originally FY 2016 - Moved Due to Fiscal Constraint Issues
2018	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	STP	$1,804,272	$1,443,418	$360,854	HSIP/CMAQ/TAP/STP; Total Cost = $3,741,288 Adjusted for YOE by 8%; Non Adjusted Total Cost = $3,459,031 (as of 6/17/15); Construction; TEC 61 of 100; 25% Design; Cost includes utilites; AQ analysis shows positive impact
2018	607446	MONTACHUSETT	WESTMINSTER	WESTMINSTER- INTERSECTION IMPROVEMENTS, ROUTE 2A AT ROUTE 140	3	STP	$2,203,200	$1,762,560	$440,640	Total Cost = $2,203,200 Adjusted for YOE by 8%; Non Adjusted Total Cost = $2,036,982 (as of 6/3/15); Prelim Design; Est Const - Summer 2019; Consultant Design; Construction; TEC 43 of 100;
2018	605966	NORTHERN MIDDLESEX	LOWELL	LOWELL- RECONSTRUCTION & RELATED WORK ON VFW PARKWAY	4	STP	$5,900,425	$4,720,340	$1,180,085	Total Project Cost FFY 2018 YOE $6,219,200 ($5,750,000); Pre 25% Design; Funding Source STP, TAP; TEC = 5.50.
2018	606264	OLD COLONY	PLYMOUTH	PLYMOUTH - IMPROVEMENTS ON OBERY STREET, FROM SOUTH STREET TO A.A. CARANCI WAY/PLYMOUTH NORTH H.S. DRIVE INTERSECTION	5	STP	$4,995,087	$3,996,070	$999,017	YOE is $4,995,087; 75% Design; TEC Score is 7.97
2018	604434	PIONEER VALLEY	CHICOPEE	CHICOPEE- RECONSTRUCTION & RELATED WORK ON FULLER ROAD, FROM MEMORIAL DR (RTE 33) TO SHAWINIGAN DR (2.0 MILES)	2	STP	$6,706,800	$5,365,440	$1,341,360	Pre 25% 47.6 TEC (YOE $6,706,800) STP
2018	607256	PIONEER VALLEY	HOLYOKE	HOLYOKE- RESURFACING & RELATED WORK ON HERITAGE STREET, FRONT STREET & DWIGHT STREET FROM MAPLE ST TO THE 1ST LEVEL CANAL (.54 MILES)	2	STP	$3,104,024	$2,483,219	$620,805	39 TEC Score 25% (YOE $3,104,024) STP

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	607430	PIONEER VALLEY	LONGMEADOW	LONGMEADOW- RESURFACING & RELATED WORK ON LONGMEADOW STREET (ROUTE 5), FROM THE CT S.L. TO CONVERSE STREET (2.88 MILES)	2	STP	$2,390,407	$1,912,326	$478,081	34.4 TEC Score 75 % (YOE $2,390,407) STP
2018	607502	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON - INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	2	STP	$251,028	$200,822	$50,206	57 TEC Score Pre 25% (YOE $1,763,802) CMAQ, STP
2018	604597	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	2	STP	$2,983,119	$2,386,495	$596,624	61 TEC Score 25% (YOE $6,480,000) STP, CMAQ, HSIP, TAP
2018	604738	PIONEER VALLEY	SOUTHAMPTON	SOUTHAMPTON- RECONSTRUCTION OF GLENDALE ROAD (PHASE II) FROM COLLEGE HIGHWAY (RT 10) NORTHWESTERLY TO POMEROY MEADOW RD (3,801 FEET)	2	STP	$2,478,600	$1,982,880	$495,720	18.8 TEC Score 75% (YOE $2,478,600) STP
2018	607871	SOUTHEASTERN MASSACHUSETTS	DARTMOUTH	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	5	STP	$2,590,981	$2,072,785	$518,196	HSIP ($896,010) / STP ($2,590,981) / TAP ($556,278) Total Cost = $4,043,269; Construction; EC Score 60 Of 93; Status Pre 25% Anticipating Project will be HSIP & CMAQ eligible, pending furt
2018	608124	SOUTHEASTERN MASSACHUSETTS	MIDDLEBOROUGH	MIDDLEBOROUGH- INTERIM IMPROVEMENTS AT ROUTES 18/28/44 (ROTARY)	5	STP	$508,635	$406,908	$101,727	Total Cost = $4,899,368; Construction; EC Score 27 Of 93; Status Pre 25%
2018	607531	SOUTHEASTERN MASSACHUSETTS	NORTON	NORTON - EAST MAIN STREET (ROUTE 123), FROM PINE STREET TO I-495, CORRIDOR IMPROVEMENTS PLUS TRAFFIC SIGNAL INSTALLATION ON ROUTE I-495 (NB & SB) RAMPS AT EAST MAIN STREET (ROUTE 12	5	STP	$4,749,409	$3,799,527	$949,882	STP ($4,749,409) / CMAQ ($2,000,000) Total Cost = $6,749,409; Construction; EC Score 28 Of 93; Status Pre 25% Anticipating Project will Partially CMAQ eligible, pending further analysis.
2018	117106	SOUTHEASTERN MASSACHUSETTS	WAREHAM	WAREHAM - RECONSTRUCTION OF ROUTE 6 & 28, FROM 500 FT. EAST OF TYLER AVENUE TO EAST OF RED BROOK ROAD	5	STP	$2,935,867	$2,348,694	$587,173	FY17 STP ($13,443,722) / TAP ($556,278) - FY18 STP ($2,935,867) Total Cost = $16,935,867; Construction; EC Score 51 Of 93; Status 75% - Design Public Hearing 07-12-12
				NON-CMAQ/HSIP/TAP (OTHER) SUBTOTAL:			$136,986,956	$109,589,565	$27,397,391	

TAP - Transportation Alternatives Program

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	606635	BOSTON	NEEDHAM	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	TAP	$3,312,089	$2,649,671	$662,418	CMAQ+HSIP+TAP+STP Total Cost = 15,464,292

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	607397	CAPE COD	WELLFLEET	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	TAP	$232,306	$185,845	$46,461	Total programmed with 8% inflation applied = $2,240,000 = $2,007,964 CMAQ + $232,306 TAP. Preliminary design. Municipality is proponent.
2018	606440	CENTRAL MASSACHUSETTS	PRINCETON	PRINCETON - RECLAMATION ON ROUTE 140, FROM STERLING T.L. TO ROUTE 31	3	TAP	$553,779	$443,023	$110,756	Construction / TEC Score = 4.3 / Design Status = 25% / TAP + STP Total Project Cost = $7,165,600 / Project Proponent is Town of Princeton
2018	605020	MERRIMACK VALLEY	SALISBURY	SALISBURY - MULTI-USE TRAIL EXTENSION (BORDERS TO BOSTON TRAIL)	4	TAP	$396,901	$317,521	$79,380	Total Project Cost = $6,657,508 cost inflated 8% from 2016 cost. FY 2018 CMAQ + TAP (Construction) TEC = 6.08 out of 18. (C) Project Proponent is the Town of Salisbury
2018	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	TAP	$97,450	$77,960	$19,490	HSIP/CMAQ/TAP/STP; Total Cost = $3,741,288 Adjusted for YOE by 8%; Non Adjusted Total Cost = $3,459,031 (as of 6/17/15); Construction; TEC 61 of 100; 25% Design; Cost includes utilites; AQ analysis shows positive impact
2018	605966	NORTHERN MIDDLESEX	LOWELL	LOWELL- RECONSTRUCTION & RELATED WORK ON VFW PARKWAY	4	TAP	$318,775	$255,020	$63,755	Total Project Cost FFY 2018 YOE $6,219,200 ($5,750,000); Pre 25% Design; Funding Source STP, TAP; TEC = 5.50.
2018	604597	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	2	TAP	$615,889	$492,711	$123,178	61 TEC Score 25% (YOE $6,480,000) STP, CMAQ, HSIP, TAP
2018	607871	SOUTHEASTERN MASSACHUSETTS	DARTMOUTH	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	5	TAP	$556,278	$445,022	$111,256	HSIP ($896,010) / STP ($2,590,981) / TAP ($556,278) Total Cost = $4,043,269; Construction; EC Score 60 Of 93; Status Pre 25% Project Proponent - Dartmouth
				TAP - TRANSPORTATION ALTERNATIVES PROGRAM SUBTOTAL:			$6,083,467	$4,866,773	$1,216,694	
				SECTION 1A / FEDERAL AID TARGET PROJECTS TOTAL:			$205,970,529	$165,877,029	$40,093,500	

SECTION 1B / FEDERAL AID BRIDGE PROJECTS

Statewide Bridge Inspection Program

2018	BRI	STATEWIDE	MULTIPLE	BRIDGE INSPECTION		NHPP	$6,250,000	$5,000,000	$1,250,000	
				STATEWIDE BRIDGE INSPECTION PROGRAM SUBTOTAL:			$6,250,000	$5,000,000	$1,250,000	

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Statewide Bridge Maintenance Program										
2018	607915	BOSTON	MULTIPLE	NEWTON- WELLESLEY- WESTON- BRIDGE MAINTENANCE OF N-12-063, N-12-054, N-12-055 & N-12-056 ON I-95/ROUTE 128	6	NHPP	$1,724,400	$1,379,520	$344,880	
2018	607939	PIONEER VALLEY	CUMMINGTON	CUMMINGTON- BRIDGE MAINTENANCE, C-21-025, ROUTE 9 OVER THE WESTFIELD RIVER	1	NHPP	$300,000	$240,000	$60,000	
2018	607898	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	DISTRICT 5- BRIDGE CLEANING ALONG I-495, ROUTE 25, ROUTE 6 & ROUTE 28	5	NHPP	$1,700,000	$1,360,000	$340,000	
2018	607959	STATEWIDE	MULTIPLE	DISTRICT 2 - SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	2	NHPP	$1,624,800	$1,299,840	$324,960	
2018	607905	STATEWIDE	MULTIPLE	DISTRICT 3- BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	3	NHPP	$1,350,000	$1,080,000	$270,000	
				STATEWIDE BRIDGE MAINTENANCE PROGRAM SUBTOTAL:			$6,699,200	$5,359,360	$1,339,840	
Statewide Off-System Bridge Program										
2018	606632	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	3	STP-BR-OFF	$11,727,339	$9,381,871	$2,345,468	
2018	607533	BOSTON	WALTHAM	WALTHAM- WOERD AVENUE OVER THE CHARLES RIVER	4	STP-BR-OFF	$3,873,360	$3,098,688	$774,672	
2018	604655	BOSTON	MARSHFIELD	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	5	STP-BR-OFF	$4,822,854	$3,858,283	$964,571	
2018	607133	BOSTON	QUINCY	QUINCY- BRIDGE REPLACEMENT, ROBERTSON STREET OVER I-93/US 1/SR 3	6	STP-BR-OFF	$6,435,763	$5,148,610	$1,287,153	
2018	606638	CENTRAL MASSACHUSETTS	SUTTON	SUTTON - BRIDGE REPLACEMENT, S-33-005, BLACKSTONE STREET OVER BLACKSTONE RIVER	3	STP-BR-OFF	$5,435,448	$4,348,358	$1,087,090	Construction / Design Status = TBD / Total Project Cost = $5,435,448
2018	608179	MONTACHUSETT	ROYALSTON	ROYALSTON - BRIDGE REPLACEMENT, R-12-9, N. FITZWILLIAM ROAD OVER THE LAWRENCE BROOK	2	STP-BR-OFF	$1,549,152	$1,239,322	$309,830	Cost Est as of 5/28/15; Total Cost = $1,549,152 Adjusted for YOE by 8%; Bridge Off System; Construction;
2018	607127	MONTACHUSETT	HUBBARDSTON	HUBBARDSTON - BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	3	STP-BR-OFF	$1,726,760	$1,381,408	$345,352	Cost Est as of 5/28/15; Total Cost = $1,726,760 Adjusted for YOE by 8%; Bridge Off System; Construction;
				STATEWIDE OFF-SYSTEM BRIDGE PROGRAM SUBTOTAL:			$35,570,676	$28,456,540	$7,114,136	
Statewide On System Bridge Program										
2018	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	$18,800,000	$15,040,000	$3,760,000	AC Yr 2 of 4; Total Cost = $45,000,000
2018	604173	BOSTON	BOSTON	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	$36,000,000	$28,800,000	$7,200,000	AC Yr 2 of 4; Total Cost = $112,700,000

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	605306	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- SUBSTRUCTURE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP	$27,250,000	$21,800,000	$5,450,000	AC Yr 1 of 3; Total Cost = $56,428,400 inflated 8% from 2016. (Construction) (M)
2018	600936	PIONEER VALLEY	HOLYOKE	HOLYOKE- BRIDGE REPLACEMENT, H-21-018, LYMAN STREET OVER FIRST LEVEL CANAL	2	NHPP	$14,002,570	$11,202,056	$2,800,514	
				STATEWIDE ON SYSTEM BRIDGE PROGRAM SUBTOTAL:			$96,052,570	$76,842,056	$19,210,514	
				SECTION 1B / FEDERAL AID BRIDGE PROJECTS TOTAL:			$144,572,446	$115,657,956	$28,914,490	

SECTION 1C / FEDERAL AID NON TARGET PROJECTS

Other Federal Aid

2018	606134	BOSTON	BOSTON	BOSTON- TRAFFIC SIGNAL IMPROVEMENTS ON BLUE HILL AVENUE AND WARREN STREET	6	HPP (2005)	$2,377,900	$1,902,320	$475,580	Construction; HPP 2129 (MA155)
2018	605789	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	6	HPP (2005)	$2,429,730	$1,943,784	$485,946	Construction; HPP 4284 (MA203); SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost $7,437,105
2018	605789	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	6	HPP (2005)	$5,007,375	$4,005,900	$1,001,475	Construction; HPP 4284 (MA203); SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost $7,437,105
2018	Pending	CENTRAL MASSACHUSETTS	MULTIPLE	Quinebaug Rail Trail	3	HPP	$800,000	$640,000	$160,000	Construction / HPP#2173 - MA156 / Design Status = Pre 25% / Total Project Cost = $800,000
				OTHER FEDERAL AID SUBTOTAL:			$10,615,005	$8,492,004	$2,123,001	
				SECTION 1C / FEDERAL AID NON-TARGET PROJECTS TOTAL:			$10,615,005	$8,492,004	$2,123,001	

SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS

Other Statewide Items

2018	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		NHPP	$68,075,667	$68,075,667	$0	AC Year 4 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
2018	SPL	STATEWIDE	MULTIPLE	PLANNING		PL	$31,000,000	$24,800,000	$6,200,000	
2018	SRT	STATEWIDE	MULTIPLE	RECREATIONAL TRAILS		REC	$1,000,000	$800,000	$200,000	
2018	MSC	STATEWIDE	MULTIPLE	DBES, MISC PROGRAMS		STP	$1,000,000	$800,000	$200,000	
2018	EWO	STATEWIDE	MULTIPLE	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC		STP	$31,191,143	$24,952,914	$6,238,229	

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		STP-BR-Off	$388,033	$388,033	$0	AC Year 4 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
				OTHER STATEWIDE ITEMS SUBTOTAL:			$132,654,843	$119,816,614	$12,838,229	

Statewide CMAQ

2018	606223	BOSTON	ACTON	ACTON- CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION (PHASE II-B)	3	CMAQ	$6,230,016	$4,984,013	$1,246,003	
2018	607732	BOSTON	MULTIPLE	FRAMINGHAM- NATICK- COCHITUATE RAIL TRAIL CONSTRUCTION INCLUDING PEDESTRIAN BRIDGE, N-03-014, OVER ROUTE 9 & BRIDGE OVER ROUTE 30	3	CMAQ	$5,859,926	$4,687,941	$1,171,985	
2018	607329	BOSTON	MULTIPLE	WAKEFIELD- LYNNFIELD- RAIL TRAIL EXTENSION, FROM THE GALVIN MIDDLE SCHOOL TO LYNNFIELD/PEABODY T.L.	4	CMAQ	$7,662,854	$6,130,283	$1,532,571	
2018	606272	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	CMAQ	$540,800	$432,640	$108,160	Total programmed with 8% inflation applied = $6,400,598 = $5,401,284 CMAQ + $540,800 statewide CMAQ + $458,514 HSIP. 25% design submitted. RSA performed; CMAQ Analysis to be performed.
2018	607541	MERRIMACK VALLEY	GEORGETOWN	GEORGETOWN- BORDER TO BOSTON TRAIL (SOUTHERN GEORGETOWN SECTION)	4	CMAQ	$2,000,960	$1,600,768	$400,192	Total Project Cost = $2,000,960 inflated 8% from 2016 cost. (Construction) TEC = 4.47 out of 18. (C)
2018	607737	MERRIMACK VALLEY	MULTIPLE	AMESBURY- SALISBURY- TRAIL CONNECTOR @ I-95	4	CMAQ	$2,595,840	$2,076,672	$519,168	Total Project Cost = $2,595,840 inflated 8% from 2016 cost. (Construction) TEC = 6.25 out of 18. (C)
2018	607885	NORTHERN MIDDLESEX	LOWELL	LOWELL- PEDESTRIAN WALKWAY & BICYCLE CONNECTION AT PAWTUCKET FALLS OVERLOOK, FROM VANDENBERG ESPLANADE TO SCHOOL STREET	4	CMAQ	$2,414,131	$1,931,305	$482,826	Project Cost estimate at pre 25% design is $2,232,000. YOE is $2,414,131. 100% Statewide CMAQ
2018	608088	OLD COLONY	BROCKTON	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	5	CMAQ	$4,542,720	$3,634,176	$908,544	YOE is $4,542,720; Pre 25% Design; TEC Score is 10.80
2018	602912	PIONEER VALLEY	CHICOPEE	CHICOPEE- CHICOPEE RIVER RIVERWALK MULTI-USE PATH CONSTRUCTION, FROM GRAPE STREET TO FRONT STREET (NEAR ELLERTON STREET)	2	CMAQ	$3,947,840	$3,158,272	$789,568	27.9 TEC Score 25% ($3,947,840)
2018	607589	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- NORTH END PEDESTRIAN PATH CONSTRUCTION (UNDER PAN-AM RAILROAD), BETWEEN PLAINFIELD STREET AND BIRNIE AVENUE	2	CMAQ	$4,326,400	$3,461,120	$865,280	
2018	ADAPT	STATEWIDE	MULTIPLE	ADAPTIVE SIGNAL CONTROLS AT INTERSECTIONS		CMAQ	$540,800	$432,640	$108,160	
2018	ALTFUL	STATEWIDE	MULTIPLE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS		CMAQ	$1,000,000	$800,000	$200,000	

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	PRKLOT	STATEWIDE	MULTIPLE	PARK AND RIDE LOT EXPANSION/CONSTRUCTION/IMPROVEMENT PROGRAM		CMAQ	$2,000,000	$1,600,000	$400,000	
2018	82865	STATEWIDE	MULTIPLE	MASSRIDES -- TRAVEL OPTIONS PROGRAM		CMAQ	$2,575,816	$2,060,653	$515,163	AC Yr 4 of 5
				STATEWIDE CMAQ SUBTOTAL:			$46,238,103	$36,990,483	$9,247,620	

Statewide HSIP Program

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	607760	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT 3 LOCATIONS: SR 8 & SR 9 (DALTON AVENUE) @ MERRILL CHESHIRE ROAD, DALTON AVENUE @ CRANE AVENUE CONNECTOR & SR 9 (MERRILL ROAD) @ CRANE AVENUE CONNECTOR	1	HSIP	$1,500,000	$1,350,000	$150,000	Statewide HSIP; MPO evaluation score 4 of 7; Design Status: <25%
2018	607748	BOSTON	ACTON	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS ON SR 2 & SR 111 (MASSACHUSETTS AVENUE) AT PIPER ROAD & TAYLOR ROAD	3	HSIP	$1,500,000	$1,350,000	$150,000	
2018	607761	BOSTON	SWAMPSCOTT	SWAMPSCOTT- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 1A (PARADISE ROAD) AT SWAMPSCOTT MALL	4	HSIP	$550,000	$495,000	$55,000	
2018	607917	CENTRAL MASSACHUSETTS	MULTIPLE	AUBURN TO WORCESTER - GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 290	3	HSIP	$4,200,000	$3,780,000	$420,000	Construction / Design Status = TBD / Total Project Cost = $4,200,000
2018	607919	STATEWIDE	MULTIPLE	BOLTON TO LOWELL- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 495		HSIP	$2,700,000	$2,430,000	$270,000	
2018	HSIP	STATEWIDE	MULTIPLE	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES		HSIP	$2,883,223	$2,594,901	$288,322	
2018	607496	STATEWIDE	MULTIPLE	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE II)		HSIP	$9,333,444	$8,400,100	$933,344	AC year 2 of 2. TFPC = $17,733,444
2018	608204	STATEWIDE	MULTIPLE	ATTLEBORO TO NORWOOD - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 95	5	HSIP	$4,000,000	$3,600,000	$400,000	
				STATEWIDE HSIP PROGRAM SUBTOTAL:			$26,666,667	$24,000,001	$2,666,666	

Statewide Infrastructure Program

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	606381	BOSTON	ARLINGTON	ARLINGTON- BELMONT- HIGHWAY LIGHTING IMPROVEMENTS ON ROUTE 2	4	STP	$5,750,000	$4,600,000	$1,150,000	AC Year 1 of 2; Total Cost = $9,450,000
2018	605733	BOSTON	MULTIPLE	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	6	STP	$1,250,000	$1,000,000	$250,000	AC Year 3 of 3; Total Cost = $8,250,000
				STATEWIDE INFRASTRUCTURE PROGRAM SUBTOTAL:			$7,000,000	$5,600,000	$1,400,000	

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Statewide Intelligent Transportation System										
2018	608140	STATEWIDE	MULTIPLE	DISTRICT 5,6 ITS CONSTRUCTION ON I-95 FROM CANTON TO ATTLEBORO 26.7 MILES		CMAQ	$2,650,000	$2,120,000	$530,000	AC YR 2 of 2. Total project cost $6,711,577
2018	606938	STATEWIDE	MULTIPLE	STATEWIDE- EXPANSION OF CCTV, VMS AND THE TRAFFIC SENSOR NETWORK		CMAQ	$6,150,000	$4,920,000	$1,230,000	
2018	607487	STATEWIDE	STATEWIDE	STATEWIDE- EXPANSION OF CCTV, VMS AND THE TRAFFIC SENSOR NETWORK		CMAQ	$6,100,000	$4,880,000	$1,220,000	
				STATEWIDE INTELLIGENT TRANSPORTATION SYSTEM SUBTOTAL:			$14,900,000	$11,920,000	$2,980,000	
Statewide Interstate Maintenance Program										
2018	608219	BOSTON	READING	READING-WAKEFIELD- INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-95	4	NHPP	$4,638,816	$4,174,934	$463,882	
2018	607560	PIONEER VALLEY	MULTIPLE	CHICOPEE- HOLYOKE- INTERSTATE MAINTENANCE & RELATED WORK ON I-391	2	NHPP	$11,989,555	$9,591,644	$2,397,911	($12,961,555 NHPP, STP-TE)
2018	608207	PIONEER VALLEY	MULTIPLE	LONGMEADOW - SPRINGFIELD - RESURFACING AND RELATED WORK ON I-91	2	NHPP	$13,763,520	$11,010,816	$2,752,704	
2018	607566	SOUTHEASTERN MASSACHUSETTS	SEEKONK	SEEKONK- REHOBOTH- INTERSTATE MAINTENANCE & RELATED WORK ON I-195	5	NHPP	$10,959,840	$9,863,856	$1,095,984	$10,959,840 IM / $1,080,000 Stormwater Total Cost $12,039,840
2018	608203	STATEWIDE	MULTIPLE	MARLBORO - HUDSON - BERLIN RESURFACING AND RELATED WORK ON I-495	3	NHPP	$15,292,800	$13,763,520	$1,529,280	$15,508,800 Total Cost = $15,292,800 + $216k Stormwater
				STATEWIDE INTERSTATE MAINTENANCE PROGRAM SUBTOTAL:			$56,644,531	$48,404,770	$8,239,761	
Statewide NHS Preservation Program										
2018	608220	BOSTON	CONCORD	CONCORD - RESURFACING AND RELATED WORK ON ROUTE 2	4	NHPP	$1,784,160	$1,427,328	$356,832	
2018	608008	BOSTON	SAUGUS	SAUGUS-RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	$10,597,910	$8,478,328	$2,119,582	
2018	608069	BOSTON	MARSHFIELD	MARSHFIELD PEMBROKE NORWELL HANOVER ROCKLAND HINGHAM RESURFACING ON RT 3	5	NHPP	$17,586,720	$14,069,376	$3,517,344	
2018	605608	BOSTON	DEDHAM	DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109	6	NHPP	$2,523,312	$2,018,650	$504,662	NHSPP+Stormwater Total Cost = $2,739,312
2018	607474	PIONEER VALLEY	MULTIPLE	GRANBY / SOUTH HADLEY - RESURFACING AND RELATED WORK ON ROUTE 202	2	NHPP	$1,988,064	$1,590,451	$397,613	Pre 25% ($1,712,794) nhs
				STATEWIDE NHS PRESERVATION PROGRAM SUBTOTAL:			$34,480,166	$27,584,133	$6,896,033	
Statewide RR Grade Crossings										
2018	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS		RRHE	$3,777,778	$3,400,000	$377,778	

2018

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2018	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS		RRPD	$1,555,556	$1,400,000	$155,556	
				STATEWIDE RR GRADE CROSSINGS SUBTOTAL:			$5,333,334	$4,800,000	$533,334	
Statewide Safe Routes to Schools Program										
2018	SRTS	STATEWIDE	MULTIPLE	SRTS - Planning & Design and selected schools		STP-TE	$925,362	$740,290	$185,072	
2018	SRTS	STATEWIDE	MULTIPLE	SRTS - Education		STP-TE	$925,362	$740,290	$185,072	
2018	SRTS	STATEWIDE	MULTIPLE	SRTS Projects		TAP	$5,961,776	$4,769,421	$1,192,355	Projects TBD
				STATEWIDE SAFE ROUTES TO SCHOOLS PROGRAM SUBTOTAL:			$7,812,500	$6,250,001	$1,562,499	
Statewide Stormwater Retrofits										
2018	605608	BOSTON	DEDHAM	DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109	6	STP-TE	$216,000	$172,800	$43,200	NHSPP+Stormwater Total Cost = $2,739,312
2018	607560	PIONEER VALLEY	MULTIPLE	CHICOPEE- HOLYOKE- INTERSTATE MAINTENANCE & RELATED WORK ON I-391	2	STP-TE	$972,000	$777,600	$194,400	($12,961,555 NHPP, STP-TE)
2018	608212	SOUTHEASTERN MASSACHUSETTS	SEEKONK	SEEKONK - STORMWATER IMPROVEMENTS ALONG ROUTE 114A	5	STP-TE	$648,000	$518,400	$129,600	
2018	607566	SOUTHEASTERN MASSACHUSETTS	SEEKONK	SEEKONK- REHOBOTH- INTERSTATE MAINTENANCE & RELATED WORK ON I-195	5	STP-TE	$1,080,000	$864,000	$216,000	$10,959,840 IM / $1,080,000 Stormwater Total Cost $12,039,840
2018	608203	STATEWIDE	MULTIPLE	MARLBORO - HUDSON - BERLIN - RESURFACING AND RELATED WORK ON I-495	3	STP-TE	$216,000	$172,800	$43,200	$15,508,800 Total Cost = $15,292,800 + $216k Stormwater
2018	607993	STATEWIDE	MULTIPLE	AYER - FRAMINGHAM -MILLVILLE - NATICK - UXBRIDGE -WORCESTER - STORMWATER IMPROVEMENTS ALONG ROUTE 9, ROUTE 2A/ROUTE 110/ROUTE 111, ROUTE 146, ROUTE 122, AND I-290	3	STP-TE	$1,215,000	$972,000	$243,000	
2018	607995	STATEWIDE	MULTIPLE	ARLINGTON - LEXINGTON- LOWELL - CHELMSFORD - BILLERICA - ANDOVER - STORMWATER IMPROVEMENTS ALONG ROUTE 20, ROUTE 2, ROUTE 28, ROUTE 3A, AND I-495	4	STP-TE	$2,160,000	$1,728,000	$432,000	
				STATEWIDE STORMWATER RETROFITS SUBTOTAL:			$6,507,000	$5,205,600	$1,301,400	
				SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS TOTAL:			$338,237,144	$290,571,602	$47,665,542	

2018

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 / NON-FEDERAL PROJECTS										
Non Federal Aid										
2018	1568	BOSTON		FAIRMOUNT IMPROVEMENTS	NA	NFA	$9,000,000	$0	$9,000,000	Lists cash flows (based on state fiscal year)
						NON FEDERAL AID SUBTOTAL:	$9,000,000	$0	$9,000,000	
						SECTION 2A / NON-FEDERAL PROJECTS TOTAL:	$9,000,000	$0	$9,000,000	
TOTAL			**YEAR 2018**				**$708,395,124**	**$580,598,591**	**$127,796,533**	

2019

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 / FEDERAL AID TARGET PROJECTS										
CMAQ - Congestion Mitigation and Air Quality Improvement Program										
2019	606462	BERKSHIRE	LENOX	LENOX- RECONSTRUCTION & MINOR WIDENING ON WALKER STREET	1	CMAQ	$1,112,389	$889,911	$222,478	STP + CMAQ; Total Cost = 6,087,123; MPO evaluation score 4 of 7; Design Status: <25%; YOE =12%
2019	606043	BOSTON	HOPKINTON	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	CMAQ	$1,000,000	$800,000	$200,000	CMAQ+HSIP+STP Total Cost = $8,138,816
2019	607428	BOSTON	MILFORD	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	3	CMAQ	$787,405	$629,924	$157,481	CMAQ+HSIP Total Cost = $3,149,619
2019	605034	BOSTON	NATICK	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	3	CMAQ	$1,000,000	$800,000	$400,000	CMAQ+STP Total Cost = $14,725,286
2019	606453	BOSTON	BOSTON	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	CMAQ	$1,824,765	$1,459,812	$364,953	STP+CMAQ+TAP Total Cost = $7,373,484
2019	1569	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	NA	CMAQ	$13,427,220	$10,741,776	$2,685,444	Yr 4 of 6; CMAQ+STP Total Cost = $190,100,000 ($158,000,000 programmed within FFYs 2016-20 TIP)
2019	607405	CAPE COD	CHATHAM	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	5	CMAQ	$2,221,236	$1,776,989	$444,247	Total programmed with 12% inflation applied =$2,400,000 = $2,221,236 CMAQ + $178,764 TAP). CMAQ analysis to be conducted. Municipality is proponent.
2019	606125	CENTRAL MASSACHUSETTS	UPTON	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH, HIGH STREET AND HOPKINTON ROAD	3	CMAQ	$3,937,024	$3,149,619	$787,405	Construction / TEC Score = 4.8 / Design Status = 25% / HSIP + CMAQ Total Project Cost = $6,749,184
2019	606011	FRANKLIN	MULTIPLE	DEERFIELD- WHATELY- RESURFACING & RELATED WORK ON ROUTES 5 &10, FROM OLD STATE ROAD TO CONWAY ROAD (1.1 MILES)	2	CMAQ	$793,671	$634,937	$158,734	Construction Phase. Total project cost of $2,315,978 inflated 4% per year to $2,605,161. Project to be funded with comnination of STP & CMAQ. Design Status = preliminary (pre-25%). TEC = 10.3
2019	608142	MARTHA'S VINEYARD	OAK BLUFFS	Oak Bluffs -Construction of a Shared Use Path (SUP) along Beach Road, Eastville Avenue, Towanicut Street and New York Ave.	5	CMAQ	$96,865	$77,492	$19,373	Advanced Construction, Year 1 of 2, with a total estimated cost of approximately $1,000,000. This project is in conceptual design process at the Town level with GPI as a consultant for the Town.

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	CMAQ	$1,393,611	$1,114,889	$278,722	STP/HSIP/TAP/CMAQ Possible; Total Cost = $9,392,614 Adjusted for YOE by 12%; Non Adjusted Total Cost = $8,350,000 as of 6/3/15; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 36 of 100.
2019	608181	NORTHERN MIDDLESEX	BILLERICA	BILLERICA-ALLEN RD/ ROUTE 3A INTERSECTION IMPROVEMENTS	4	CMAQ	$3,037,133	$2,429,706	$607,427	TOTAL Cost FFY 2019 YOE $3,037,133 ($2,700,000); Funding Source CMAQ; Project initiated by MassDOT District 4. Going to PRC in July 2015; No TEC Score yet.
2019	Pending	NORTHERN MIDDLESEX	DRACUT	DRACUT-NASHUA RD IMPROVEMENTS	4	CMAQ	$1,016,361	$813,089	$203,272	Total Cost Estimate at FFY 2019 YOE $2,286,538 ($2,032,723); Funding Source CMAQ, TAP, STP PNF sent to MassDOT
2019	608143	OLD COLONY	BROCKTON	BROCKTON - NORTH QUINCY STREET, CHESTNUT STREET, AND BOUNDARY AVENUE SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	5	CMAQ	$2,240,448	$1,792,358	$448,090	YOE is $2,240,446; Pre 25% Design; TEC Score is 8.05
2019	606156	PIONEER VALLEY	HOLYOKE	HOLYOKE- RECONSTRUCTION OF I-91 INTERCHANGE 17 & ROUTE 141	2	CMAQ	$1,831,008	$1,464,806	$366,202	48 TEC Score Pre 25% (YOE $2,912,000) HSIP, CMAQ
2019	607893	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- INTERSECTION IMPROVEMENTS @ ELM STREET, MAIN STREET, WEST STREET, STATE STREET & NEW SOUTH STREET	2	CMAQ	$1,547,092	$1,237,674	$309,418	68 TEC Score Pre 25% (YOE $1,568,000) CMAQ, TAP
2019	606709	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON KINGS HIGHWAY, FROM CHURCH STREET TO THE KINGS HIGHWAY BRIDGE (N-06-036) OVER ROUTE 140	5	CMAQ	$3,177,628	$2,542,102	$635,526	HSIP ($896,010) / CMAQ ($3,357,697) / TAP ($428,067) Total Cost = $4,681,774; Construction; EC Score 75 Of 93; Status Pre 25% Anticipating Project will be CMAQ eligible, pending further an
				CMAQ - CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM SUBTOTAL:			$40,443,856	$32,355,084	$8,288,772	

HSIP - Highway Safety Improvement Program

2019	606043	BOSTON	HOPKINTON	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	HSIP	$1,220,822	$1,098,740	$122,082	CMAQ+HSIP+STP Total Cost = $8,138,816
2019	607428	BOSTON	MILFORD	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	3	HSIP	$2,362,214	$2,125,993	$236,221	CMAQ+HSIP Total Cost = $3,149,619
2019	607652	BOSTON	EVERETT	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	HSIP	$2,000,000	$1,800,000	$200,000	STP+HSIP Total Cost = $7,244,124

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	606900	CAPE COD	BOURNE	BOURNE- TRAFFIC IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	5	HSIP	$1,740,000	$1,566,000	$174,000	Total programmed with 12% inflation applied = = $1,740,000). Improvements focused primarily on bicycle and pedestrian accomdation improvements. To be desinged by MassDOT.
2019	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	HSIP	$5,000,000	$4,500,000	$500,000	ADVANCED CONSTRUCTION: Year 1 of 2. Total programmed in with 12% inflation applied = $9,570,000) $5,000,000 to be funded in FFY2019. Remainder of project to be funded in FFY 2020.
2019	606125	CENTRAL MASSACHUSETTS	UPTON	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH, HIGH STREET AND HOPKINTON ROAD	3	HSIP	$2,812,160	$2,530,944	$281,216	Construction / TEC Score = 4.8 / Design Status = 25% / HSIP + CMAQ Total Project Cost = $6,749,184
2019	608142	MARTHA'S VINEYARD	OAK BLUFFS	Oak Bluffs -Construction of a Shared Use Path (SUP) along Beach Road, Eastville Avenue, Towanicut Street and New York Ave.	5	HSIP	$30,997	$27,897	$3,100	Advanced Construction, Year 1 of 2, with a total estimated cost of approximately $1,000,000. This project is in conceptual design process at the Town level with GPI as a consultant for the Town.
2019	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	HSIP	$445,955	$401,360	$44,596	STP/HSIP/TAP/CMAQ Possible; Total Cost = $9,392,614 Adjusted for YOE by 12%; Non Adjusted Total Cost = $8,350,000 as of 6/3/15; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 36 of 100.
2019	Pending	NORTHERN MIDDLESEX	CHELMSFORD	CHELMSFORD- INTERSECTION IMPROVEMENTS AT ROUTE 129 AND RIVERNECK RD	4	HSIP	$390,961	$351,865	$39,096	Total Project Cost at FFY 2019 YOE $1,988,759 ($1,768,000); Funding Source STP, HSIP. PNF sent to MassDOT
2019	606156	PIONEER VALLEY	HOLYOKE	HOLYOKE- RECONSTRUCTION OF I-91 INTERCHANGE 17 & ROUTE 141	2	HSIP	$1,080,992	$972,893	$108,099	48 TEC Score Pre 25% (YOE $2,912,000) HSIP, CMAQ
2019	606709	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON KINGS HIGHWAY, FROM CHURCH STREET TO THE KINGS HIGHWAY BRIDGE (N-06-036) OVER ROUTE 140	5	HSIP	$896,010	$806,409	$89,601	HSIP ($896,010) / CMAQ ($3,357,697) / TAP ($428,067) Total Cost = $4,681,774; Construction; EC Score 75 Of 93; Status Pre 25% Anticipating Project will be CMAQ elig
				HSIP - HIGHWAY SAFETY IMPROVEMENT PROGRAM SUBTOTAL:			$17,980,111	$16,182,101	$1,798,011	

Non-CMAQ/HSIP/TAP (Other)

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	606462	BERKSHIRE	LENOX	LENOX- RECONSTRUCTION & MINOR WIDENING ON WALKER STREET	1	STP	$4,974,734	$3,979,787	$994,947	STP + CMAQ; Total Cost = 6,087,123; MPO evaluation score 4 of 7; Design Status: <25%; YOE =12%

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	606043	BOSTON	HOPKINTON	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	STP	$5,917,993	$4,734,395	$1,183,599	CMAQ+HSIP+STP Total Cost = $8,138,816
2019	605034	BOSTON	NATICK	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	3	STP	$13,725,286	$10,980,229	$2,745,057	CMAQ+STP Total Cost = $14,725,286
2019	607652	BOSTON	EVERETT	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	STP	$5,244,124	$4,195,299	$1,048,825	STP+HSIP Total Cost = $7,244,124
2019	602077	BOSTON	LYNN	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	4	STP	$3,889,305	$3,111,444	$777,861	
2019	606453	BOSTON	BOSTON	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	STP	$3,000,000	$2,400,000	$600,000	STP+CMAQ+TAP Total Cost = $7,373,484
2019	601630	BOSTON	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	STP	$6,600,000	$5,280,000	$1,320,000	AC Yr 4 of 4; STP+HSIP+TEA-21 Earmark Total Cost = $60,053,518
2019	1569	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	NA	STP	$26,572,780	$21,258,224	$5,314,556	Yr 4 of 6; CMAQ+STP Total Cost = $190,100,000 ($158,000,000 programmed within FFYs 2016-20 TIP)
2019	605377	CENTRAL MASSACHUSETTS	MILLBURY	MILLBURY - RECONSTRUCTION ON MCCRACKEN ROAD & GREENWOOD STREET, INCLUDES REHAB OF M-22-058, MCCRACKEN ROAD OVER ACCESS ROAD	3	STP	$7,934,791	$6,347,833	$1,586,958	Construction / TEC Score = 5.4 / Design Status = 25% / Total Project Cost = $7,934,791
2019	607250	CENTRAL MASSACHUSETTS	PAXTON	PAXTON - RECLAMATION ON ROUTE 31 (HOLDEN ROAD)	3	STP	$3,372,342	$2,697,874	$674,468	Construction / TEC Score = 3.6 / Design Status = 25% / TAP + STP Total Project Cost = $3,798,666
2019	606011	FRANKLIN	MULTIPLE	DEERFIELD- WHATELY- RESURFACING & RELATED WORK ON ROUTES 5 &10, FROM OLD STATE ROAD TO CONWAY ROAD (1.1 MILES)	2	STP	$1,811,490	$1,449,192	$362,298	Construction Phase. Total project cost of $2,315,978 inflated 4% per year to $2,605,161. Project to be funded with comnination of STP & CMAQ. Design Status = preliminary (pre-25%). TEC = 10.3
2019	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	STP	$2,494,207	$1,995,366	$498,841	Construction Phase. Total cost estimate of $4,467,201 inflated 4% per year to $4,831,725. Project to be funded with a combination of STP and CMAQ. Design Status - 25%. A/C year 2 of 2. TEC = 10.3
2019	608142	MARTHA'S VINEYARD	OAK BLUFFS	Oak Bluffs -Construction of a Shared Use Path (SUP) along Beach Road, Eastville Avenue, Towanicut Street and New York Ave.	5	STP	$540,354	$432,283	$108,071	Advanced Construction, Year 1 of 2, with a total estimated cost of approximately $1,000,000. This project is in conceptual design process at the Town level with GPI as a consultant for the Town.

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	602418	MERRIMACK VALLEY	AMESBURY	AMESBURY - RECONSTRUCTION OF ELM STREET	4	STP	$6,687,039	$5,349,631	$1,337,408	AC Year 2 of 2. Total Project Cost = $9,077,146 cost inflated 8% from 2016 cost. FY 2018 STP + 2019 STP (Construction) TEC = 5.98 out of 18. (C)
2019	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	STP	$7,478,058	$5,982,446	$1,495,612	STP/HSIP/TAP/CMAQ Possible; Total Cost = $9,392,614 Adjusted for YOE by 12%; Non Adjusted Total Cost = $8,350,000 as of 6/3/15; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 36 of 100.
2019	607421	NORTHERN MIDDLESEX	CHELMSFORD	CHELMSFORD- INTERSECTION IMPROVEMENTS AT ROUTE 4 & I-495 (EXIT 33)	4	STP	$1,115,710	$892,568	$223,142	Total Project Cost at FFY 2018 YOE $1,115,710 ($991,863); Funding Source STP; TEC = 4.85.
2019	Pending	NORTHERN MIDDLESEX	CHELMSFORD	CHELMSFORD- INTERSECTION IMPROVEMENTS AT ROUTE 129 AND RIVERNECK RD	4	STP	$1,597,798	$1,278,238	$319,560	Total Project Cost at FFY 2019 YOE $1,988,759 ($1,768,000); Funding Source STP, HSIP. PNF sent to MassDOT
2019	Pending	NORTHERN MIDDLESEX	DRACUT	DRACUT-NASHUA RD IMPROVEMENTS	4	STP	$1,016,361	$813,089	$203,272	Total Cost Estimate at FFY 2019 YOE $2,286,538 ($2,032,723); Funding Source CMAQ, TAP, STP PNF sent to MassDOT
2019	607217	OLD COLONY	EASTON	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION ON FROM NEWELL CIRCLE TO ROUTE 138	5	STP	$7,220,326	$5,776,261	$1,444,065	YOE is $7,220,326; 75% Design; TEC Score is 7.00
2019	600513	PIONEER VALLEY	AGAWAM	AGAWAM- RECONSTRUCTION OF ROUTE 187 FROM 425 FT. SOUTH OF S. WESTFIELD STREET TO ROUTE 57 (0.3 MILES - PHASE I)	2	STP	$1,744,960	$1,395,968	$348,992	22.5 TEC Score PRE 25% (YOE $1,744,960) STP
2019	608084	PIONEER VALLEY	AMHERST	AMHERST- IMPROVEMENTS & RELATED WORK ON ROUTES 9 & 116, FROM UNIVERSITY DRIVE TO SOUTH PLEASANT STREET (0.8 MILES)	2	STP	$1,406,339	$1,125,071	$281,268	46.5 TEC Score Pre 25% (YOE $1,406,339) STP
2019	604209	PIONEER VALLEY	HOLYOKE	HOLYOKE- WEST SPRINGFIELD- REHABILITATION OF ROUTE 5 (RIVERDALE ROAD), FROM I-91 (INTERCHANGE 13) TO MAIN STREET IN HOLYOKE & FROM ELM STREET TO NORTH ELM STREET IN WEST SPRINGFIELD (3.2 MILES)	2	STP	$3,225,600	$2,580,480	$645,120	47 TEC Score Pre 25% (YOE $3,225,600) STP
2019	607987	PIONEER VALLEY	WARE	WARE- INTERSECTION IMPROVEMENTS @ MAIN STREET, WEST STREET, NORTH STREET, SOUTH STREET & CHURCH STREET	2	STP	$1,730,969	$1,384,775	$346,194	46 TEC Score Pre 25% (YOE $2,184,000) STP, TAP
2019	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	STP	$5,698,486	$4,558,789	$1,139,697	38.5 TEC Score 25% (YOE 5,698,486) STP, (HPP will be used for Phase I ($2,500,000))
2019	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	STP	$4,899,368	$3,919,494	$979,874	Total Cost = $4,899,368; Construction; EC Score 75 Of 93; Status Pre 25%

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	607572	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- CORRIDOR IMPROVEMENTS & RELATED WORK ON BROADWAY (ROUTE 138), FROM TAUNTON GREEN NORTHERLY TO JACKSON STREET	5	STP	$5,615,321	$4,492,257	$1,123,064	Total Cost = $5,615,321; Construction; EC Score 41 Of 93; Status Pre 25%
2019	608081	SOUTHEASTERN MASSACHUSETTS	WESTPORT	WESTPORT- RESURFACING AND RELATED WORK ALONG ROUTE 88 FROM MILE MARKER 0.0 (BEGINNING OF STATE HIGHWAY) NORTHERLY TO MILE MARKER 1.2, JUST NORTH OF DRIFT ROAD.	5	STP	$3,112,178	$2,489,742	$622,436	Total Cost = $3,112,178; Construction; EC Score 21 Of 93; Status Pre 25%
				NON-CMAQ/HSIP/TAP (OTHER) SUBTOTAL:			$138,625,919	$110,900,735	$27,725,185	

TAP - Transportation Alternatives Program

2019	606453	BOSTON	BOSTON	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	TAP	$2,548,719	$2,038,975	$509,744	STP+CMAQ+TAP Total Cost = $7,373,484
2019	607405	CAPE COD	CHATHAM	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	5	TAP	$178,764	$143,011	$35,753	Total programmed with 12% inflation applied =$2,400,000 = $2,221,236 CMAQ + $178,764 TAP). CMAQ analysis to be conducted. Municipality is proponent.
2019	607250	CENTRAL MASSACHUSETTS	PAXTON	PAXTON - RECLAMATION ON ROUTE 31 (HOLDEN ROAD)	3	TAP	$426,324	$341,059	$85,265	Construction / TEC Score = 3.6 / Design Status = 25% / TAP + STP Total Project Cost = $3,798,666 / Proejct Proponent is the Town of Paxton
2019	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	TAP	$74,990	$59,992	$14,998	STP/HSIP/TAP/CMAQ Possible; Total Cost = $9,392,614 Adjusted for YOE by 12%; Non Adjusted Total Cost = $8,350,000 as of 6/3/15; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 36 of 100.
2019	Pending	NORTHERN MIDDLESEX	DRACUT	DRACUT - NASHUA RD IMPROVEMENTS	4	TAP	$245,303	$196,242	$49,061	Total Cost Estimate at FFY 2019 YOE $2,602,750 ($2,313,835); Funding Source CMAQ, TAP, STP PNF sent to MassDOT
2019	607893	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- INTERSECTION IMPROVEMENTS @ ELM STREET, MAIN STREET, WEST STREET, STATE STREET & NEW SOUTH STREET	2	TAP	$20,908	$16,726	$4,182	68 TEC Score Pre 25% (YOE $1,568,000) CMAQ, TAP
2019	607987	PIONEER VALLEY	WARE	WARE- INTERSECTION IMPROVEMENTS @ MAIN STREET, WEST STREET, NORTH STREET, SOUTH STREET & CHURCH STREET	2	TAP	$453,031	$362,425	$90,606	46 TEC Score Pre 25% (YOE $2,184,000) STP, TAP

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	606709	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON KINGS HIGHWAY, FROM CHURCH STREET TO THE KINGS HIGHWAY BRIDGE (N-06-036) OVER ROUTE 140	5	TAP	$428,067	$342,454	$85,613	HSIP ($896,010) / CMAQ ($3,357,697) / TAP ($428,067) Total Cost = $4,681,774; Construction; EC Score 75 Of 93; Status Pre 25% Project Proponent - New Bedford
				TAP - TRANSPORTATION ALTERNATIVES PROGRAM SUBTOTAL:			$4,376,106	$3,500,884	$875,222	
				SECTION 1A / FEDERAL AID TARGET PROJECTS TOTAL:			$201,425,992	$162,938,804	$38,687,190	

SECTION 1B / FEDERAL AID BRIDGE PROJECTS

Statewide Bridge Inspection Program

2019	BRI	STATEWIDE	MULTIPLE	BRIDGE INSPECTION		NHPP	$6,250,000	$5,000,000	$1,250,000	
				STATEWIDE BRIDGE INSPECTION PROGRAM SUBTOTAL:			$6,250,000	$5,000,000	$1,250,000	

Statewide Bridge Maintenance Program

2019	BRPRES	STATEWIDE	MULTIPLE	BRIDGE PRESERVATION PROGRAM		NHPP	$10,000,000	$8,000,000	$2,000,000	
				STATEWIDE BRIDGE MAINTENANCE PROGRAM SUBTOTAL:			$10,000,000	$8,000,000	$2,000,000	

Statewide Off-System Bridge Program

2019	608243	BERKSHIRE	NEW MARLBOROUGH	NEW MARLBOROUGH- N-8-10, UMPACHENE FALL ROAD OVER KONKAPOT RIVER	1	STP-BR-OFF	$2,062,000	$1,649,600	$412,400	YOE = 12%
2019	603255	BERKSHIRE	PITTSFIELD	PITTSFIELD- BRIDGE REPLACEMENT, P-10-049, LAKEWAY DRIVE OVER ONOTA LAKE	1	STP-BR-OFF	$4,134,592	$3,307,674	$826,918	YOE = 12%
2019	601486	BERKSHIRE	SHEFFIELD	SHEFFIELD- BRIDGE REPLACEMENT, S-10-19, BERKSHIRE SCHOOL ROAD OVER SCHENOB BROOK	1	STP-BR-OFF	$4,510,328	$3,608,262	$902,066	YOE = 12%
2019	608255	BOSTON	STOW	STOW, BRIDGE REPLACEMENT, S-29-11, BOX MILL ROAD OVER ELIZABETH BROOK	3	STP-BR-OFF	$3,612,224	$2,889,779	$722,445	
2019	608079	BOSTON	SHARON	SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA	5	STP-BR-OFF	$4,755,240	$3,804,192	$951,048	
2019	608190	CENTRAL MASSACHUSETTS	EAST BROOKFIELD	EAST BROOKFIELD - BRIDGE REPLACEMENT, E-2-1, SOUTH POND ROAD OVER SOUTH POND INLET	3	STP-BR-OFF	$2,873,024	$2,298,419	$574,605	Construction / Design Status = TBD / Total Project Cost = $2,873,024
2019	608248	FRANKLIN	MONROE	MONROE, BRIDGE REPLACEMENT, M-26-4, RAYCROFT ROAD OVER DUNBAR BROOK	1	STP-BR-OFF	$2,744,288	$2,195,430	$548,858	Construction Phase. Design status = preliminary

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	BR1903	MONTACHUSETT	ATHOL	ATHOL - BRIDGE REPLACEMENT, A-15-5, WASHINGTON AVE OVER SOUTH ATHOL POND OUTLET	2	STP-BR-OFF	$4,347,840	$3,478,272	$869,568	Cost Est as of 5/28/15; Total Cost = $4,347,840 Adjusted for YOE by 12%; Bridge Off System; Construction;
2019	608259	MONTACHUSETT	TOWNSEND	TOWNSEND - BRIDGE REPLACEMENT, T-7-13, WEST MEADOW ROAD OVER LOCKE BROOK	3	STP-BR-OFF	$3,100,138	$2,480,110	$620,028	Cost Est as of 5/28/15; Total Cost = $3,100,138 Adjusted for YOE by 12%; Bridge Off System; Construction;
2019	607534	NORTHERN MIDDLESEX	TEWKSBURY	TEWKSBURY - MILL STREET OVER THE SHAWSHEEN RIVER (BR-OFF)	4	STP-BR-OFF	$2,167,284	$1,733,827	$433,457	
2019	BR1905	PIONEER VALLEY	MIDDLEFIELD	MIDDLEFIELD- BRIDGE REPLACEMENT, M-19-10, CHESTER ROAD OVER SMAR BROOK	1	STP-BR-OFF	$3,138,720	$2,510,976	$627,744	
				STATEWIDE OFF-SYSTEM BRIDGE PROGRAM SUBTOTAL:			$37,445,678	$29,956,541	$7,489,137	

Statewide On System Bridge Program

2019	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	$12,800,000	$10,240,000	$2,560,000	AC Yr 3 of 4; Total Cost = $45,000,000
2019	604173	BOSTON	BOSTON	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	$34,504,000	$27,603,200	$6,900,800	AC Yr 3 of 4; Total Cost = $112,700,000
2019	605306	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- SUBSTRUCTURE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP	$15,470,000	$12,376,000	$3,094,000	AC Yr 2 of 3; Total Cost = $56,428,400 inflated 8% from 2016. (Construction) (M)
2019	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	$29,536,000	$23,628,800	$5,907,200	Total Project Cost is $53,000,000, A/C to 2020
				STATEWIDE ON SYSTEM BRIDGE PROGRAM SUBTOTAL:			$92,310,000	$73,848,000	$18,462,000	
				SECTION 1B / FEDERAL AID BRIDGE PROJECTS TOTAL:			$146,005,678	$116,804,541	$29,201,137	

SECTION 1C / FEDERAL AID NON TARGET PROJECTS

Other Federal Aid

2019	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; HPP + Statewide CMAQ ; Total project cost = $5,589,402; SAFETEA-LU, HPP 2850 - MA Berkshire County Bike Paths, Design & Construction - $5,007,375 (Earmark Total)
				OTHER FEDERAL AID SUBTOTAL:			$640,000	$512,000	$128,000	
				SECTION 1C / FEDERAL AID NON-TARGET PROJECTS TOTAL:			$640,000	$512,000	$128,000	

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS										
Other Statewide Items										
2019	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		NHPP	$73,125,542	$73,125,542	$0	AC Year 5 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
2019	SPL	STATEWIDE	MULTIPLE	PLANNING		PL	$29,750,000	$23,800,000	$5,950,000	
2019	SRT	STATEWIDE	MULTIPLE	RECREATIONAL TRAILS		REC	$1,000,000	$800,000	$200,000	
2019	MSC	STATEWIDE	MULTIPLE	DBES, MISC PROGRAMS		STP	$1,000,000	$800,000	$200,000	
2019	EWO	STATEWIDE	MULTIPLE	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC		STP	$18,483,080	$14,786,464	$3,696,616	
2019	ABPGAN	STATEWIDE	MULTIPLE	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE		STP-BR-Off	$399,608	$399,608	$0	AC Year 5 of 12. Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
				OTHER STATEWIDE ITEMS SUBTOTAL:			$123,758,230	$113,711,614	$10,046,616	
Statewide ADA Implementation Plan										
2019	608225	STATEWIDE	MULTIPLE	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	1	STP-TE	$600,000	$480,000	$120,000	
2019	608226	STATEWIDE	MULTIPLE	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	2	STP-TE	$900,000	$720,000	$180,000	
				STATEWIDE ADA IMPLEMENTATION PLAN SUBTOTAL:			$1,500,000	$1,200,000	$300,000	
Statewide CMAQ										
2019	606890	BERKSHIRE	MULTIPLE	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	1	CMAQ	$4,949,402	$3,959,522	$989,880	Construction; HPP + Statewide CMAQ ; Total project cost = $5,589,402; SAFETEA-LU, HPP 2850 - MA Berkshire County Bike Paths, Design & Construction - $5,007,375 (Earmark Total)
2019	607888	BOSTON	MULTIPLE	BOSTON- BROOKLINE- MULTI-USE PATH CONSTRUCTION ON NEW FENWAY	6	CMAQ	$1,915,213	$1,532,170	$383,043	
2019	607542	MERRIMACK VALLEY	MULTIPLE	GEORGETOWN - NEWBURY - BORDER TO BOSTON TRAIL (NORTHERN GEORGETOWN TO BYFIELD SECTION)	4	CMAQ	$4,359,973	$3,487,978	$871,995	Total Project Cost = $4,359,973 cost inflated 12% from 2016 cost. (Construction) TEC = 5.22 out of 18. (C)
2019	608193	MONTACHUSETT	MULTIPLE	FITCHBURG - LEOMINSTER - RAIL TRAIL CONSTRUCTION (TWIN CITIES RAIL TRAIL)	3	CMAQ	$11,642,342	$9,313,874	$2,328,468	Statewide CMAQ - New Listing as of 5/22/2015

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	608086	OLD COLONY	AVON	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	5	CMAQ	$4,049,510	$3,239,608	$809,902	YOE is $4,049,510; Pre 25% Design; TEC Score is 8.20
2019	607941	OLD COLONY	EAST BRIDGEWATER	EAST BRIDGEWATER - RESURFACING AND SIDEWALK CONSTRUCTION ON BEDFORD STREET (ROUTE 18), FROM WHITMAN STREET (ROUTE 106) TO CENTRAL STREET	5	CMAQ	$2,249,728	$1,799,782	$449,946	YOE is $2,249,728; Pre 25% Design; TEC Score is TBD
2019	607979	SOUTHEASTERN MASSACHUSETTS	MARION	MARION- SHARED USE PATH CONSTRUCTION (PHASE 1), FROM THE MARION-MATTAPOISETT T.L. TO THE INTERSECTION OF POINT ROAD AND COUNTY ROAD	5	CMAQ	$3,374,592	$2,699,674	$674,918	
2019	607822	SOUTHEASTERN MASSACHUSETTS	NORTON	NORTON- MANSFIELD- RAIL TRAIL EXTENSION (WORLD WAR II VETERANS TRAIL)	5	CMAQ	$3,600,015	$2,880,012	$720,003	
2019	EVCHG	STATEWIDE	MULTIPLE	STATEWIDE - ELECTRIC VEHICLE PLUG IN CHARGING STATIONS		CMAQ	$500,000	$400,000	$100,000	
2019	ADAPT	STATEWIDE	MULTIPLE	ADAPTIVE SIGNAL CONTROLS AT INTERSECTIONS		CMAQ	$562,432	$449,946	$112,486	
2019	ALTFUL	STATEWIDE	MULTIPLE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS		CMAQ	$1,000,000	$800,000	$200,000	
2019	PRKLOT	STATEWIDE	MULTIPLE	PARK AND RIDE LOT EXPANSION/CONSTRUCTION/IMPROVEMENT PROGRAM		CMAQ	$2,000,000	$1,600,000	$400,000	
2019	82865	STATEWIDE	MULTIPLE	MASSRIDES -- TRAVEL OPTIONS PROGRAM		CMAQ	$2,603,603	$2,082,882	$520,721	AC Yr 5 of 5
						STATEWIDE CMAQ SUBTOTAL:	$42,806,810	$34,245,448	$8,561,362	

Statewide HSIP Program

2019	607756	BERKSHIRE	GREAT BARRINGTON	GREAT BARRINGTON- INTERSECTION & SIGNAL IMPROVEMENTS ON US 7 (SOUTH MAIN STREET) AT SR 23 & SR 41 (MAPLE AVENUE)	1	HSIP	$550,000	$495,000	$55,000	Statewide HSIP; Total Cost = 550,000; MPO evaluation score 4 of 7; Design Status: <25%
2019	608205	BOSTON	MULTIPLE	READING TO LYNNFIELD - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 95 (STATE ROUTE 128)	4	HSIP	$3,500,000	$3,150,000	$350,000	
2019	608206	BOSTON	MULTIPLE	CHELSEA TO DANVERS - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF US ROUTE 1	4	HSIP	$5,900,000	$5,310,000	$590,000	
2019	608052	BOSTON	NORWOOD	NORWOOD- INTERSECTION & SIGNAL IMPROVEMENTS AT US 1 (PROVIDENCE HIGHWAY) & MORSE STREET	5	HSIP	$550,000	$495,000	$55,000	
2019	607759	BOSTON	BOSTON	BOSTON- INTERSECTION & SIGNAL IMPROVEMENTS AT THE VFW PARKWAY & SPRING STREET	6	HSIP	$550,000	$495,000	$55,000	

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2019	607763	BOSTON	MILTON	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 138 (BLUE HILL AVENUE) AT ATHERTON STREET & BRADLEE ROAD AND SR 138 (BLUE HILL AVENUE) AT MILTON STREET & DOLLAR LANE	6	HSIP	$1,100,000	$990,000	$110,000	
2019	607757	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 122A (PROVIDENCE STREET) AT MILLBURY STREET & MCKEON ROAD	3	HSIP	$550,000	$495,000	$55,000	Construction / Design Status = TBD / Total Project Cost = $550,000
2019	608187	MERRIMACK VALLEY	STATEWIDE	HAVERHILL- MERRIMAC- AMESBURY- TRAFFIC & GUIDE SIGN REPLACEMENT ON A SECTION OF I-495	4	HSIP	$2,100,000	$1,890,000	$210,000	Total Project Cost = $2,100,000 inflated 12% from 2016 cost. (Construction) (M)
2019	608053	SOUTHEASTERN MASSACHUSETTS	MANSFIELD	MANSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 140 (COMMERCIAL STREET) & SR 106 (CHAUNCEY STREET)	5	HSIP	$550,000	$495,000	$55,000	
2019	HSIP	STATEWIDE	MULTIPLE	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES		HSIP	$11,316,667	$10,185,000	$1,131,667	
				STATEWIDE HSIP PROGRAM SUBTOTAL:			$26,666,667	$24,000,000	$2,666,667	

Statewide Infrastructure Program

2019	606381	BOSTON	ARLINGTON	ARLINGTON- BELMONT- HIGHWAY LIGHTING IMPROVEMENTS ON ROUTE 2	4	STP	$3,700,000	$2,960,000	$740,000	AC Year 2 of 2; Total Cost = $9,450,000
				STATEWIDE INFRASTRUCTURE PROGRAM SUBTOTAL:			$3,700,000	$2,960,000	$740,000	

Statewide Intelligent Transportation System

2019	608141	STATEWIDE	MULTIPLE	DISTRICT 4 &6 ITS I-95 SALISBURY TO PEABODY RT1 SAUGUS		CMAQ	$5,625,000	$4,500,000	$1,125,000	
2019	607487	STATEWIDE	MULTIPLE	STATEWIDE ITS EXPANSION		CMAQ	$19,375,000	$15,500,000	$3,875,000	
				STATEWIDE INTELLIGENT TRANSPORTATION SYSTEM SUBTOTAL:			$25,000,000	$20,000,000	$5,000,000	

Statewide Interstate Maintenance Program

2019	608210	BOSTON	FOXBOROUGH	FOXBOROUGH-PLAINVILLE-WRENTHAM-FRANKLIN- INTERSTAE MAINTENANCE AND RELATED WORK ON I-495	5	NHPP	$29,392,384	$26,453,146	$2,939,238	
2019	608208	BOSTON	QUINCY	QUINCY - MILTON - BOSTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	6	NHPP	$22,287,462	$20,058,716	$2,228,746	
2019	608211	PIONEER VALLEY	MULTIPLE	CHICOPEE - SPRINGFIELD - RESURFACING AND RELATED WORK ON I-291	2	NHPP	$11,545,498	$9,236,398	$2,309,100	
2019	608209	STATEWIDE	MULTIPLE	LITTLETON-WESTFORD- INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	3	NHPP	$15,986,074	$14,387,466	$1,598,607	
				STATEWIDE INTERSTATE MAINTENANCE PROGRAM SUBTOTAL:			$79,211,418	$70,135,726	$9,075,691	

2019

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Statewide NHS Preservation Program										
2019	608221	BOSTON	MARLBOROUGH	MARLBORO RESURFACING AND RELATED WORK ON ROUTE 20	3	NHPP	$6,126,938	$4,901,550	$1,225,388	
2019	608223	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER RESURFACING AND RELATED WORK ON ROUTE 24 (EXCLUDES MM 3.9-4.5)	5	NHPP	$9,134,899	$7,307,919	$1,826,980	
2019	608222	STATEWIDE	MULTIPLE	BOURNE - WAREHAM RESURFACING AND RELATED WORK ON ROUTE 25	5	NHPP	$11,672,371	$9,337,897	$2,334,474	
				STATEWIDE NHS PRESERVATION PROGRAM SUBTOTAL:			$26,934,208	$21,547,366	$5,386,842	
Statewide RR Grade Crossings										
2019	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS		RRHE	$3,777,778	$3,400,000	$377,778	
2019	RRC	STATEWIDE	MULTIPLE	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS		RRPD	$1,555,556	$1,400,000	$155,556	
				STATEWIDE RR GRADE CROSSINGS SUBTOTAL:			$5,333,334	$4,800,000	$533,334	
Statewide Safe Routes to Schools Program										
2019	SRTS	STATEWIDE	MULTIPLE	SRTS - Planning & Design and selected schools		STP-TE	$925,362	$740,290	$185,072	
2019	SRTS	STATEWIDE	MULTIPLE	SRTS - Education		STP-TE	$942,557	$754,046	$188,511	
2019	SRTS	STATEWIDE	MULTIPLE	SRTS Projects		TAP	$5,944,581	$4,755,665	$1,188,916	Projects TBD
				STATEWIDE SAFE ROUTES TO SCHOOLS PROGRAM SUBTOTAL:			$7,812,500	$6,250,001	$1,562,499	
Statewide Stormwater Retrofits										
2019	608214	BOSTON	WINCHESTER	WINCHESTER - UPPER MYSTIC RIVER ROUTE 3	4	STP-TE	$224,000	$179,200	$44,800	
2019	608213	BOSTON	MILTON	MILTON - STORMWATER IMPROVEMENTS ALONG I-93	6	STP-TE	$560,000	$448,000	$112,000	
2019	608216	MERRIMACK VALLEY	BOXFORD	BOXFORD - STORMWATER IMPROVEMENTS ALONG I-95	4	STP-TE	$448,000	$358,400	$89,600	Total Project Cost = $448,000 inflated 12% from 2016 cost. (Construction) (M)
2019	608215	SOUTHEASTERN MASSACHUSETTS	FAIRHAVEN	FAIRHAVEN - STORMWATER IMPROVEMENTS ALONG ROUTE 240 AND ROUTE 6	5	STP-TE	$224,000	$179,200	$44,800	
				STATEWIDE STORMWATER RETROFITS SUBTOTAL:			$1,456,000	$1,164,800	$291,200	
				SECTION 1D / FEDERAL AID MAJOR & STATE CATEGORY PROJECTS TOTAL:			$344,179,167	$300,014,955	$44,164,211	

2019

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 / NON-FEDERAL PROJECTS										
Non Federal Aid										
2019	1568	BOSTON		FAIRMOUNT IMPROVEMENTS	NA	NFA	$5,328,200	$0	$5,328,200	Lists cash flows (based on state fiscal year)
						NON FEDERAL AID SUBTOTAL:	$5,328,200	$0	$5,328,200	
						SECTION 2A / NON-FEDERAL PROJECTS TOTAL:	$5,328,200	$0	$5,328,200	
TOTAL		**YEAR 2019**					**$697,579,037**	**$580,270,300**	**$117,508,738**	

2019										
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
$2,366,468,328	$545,303,771	$2,910,344,091

Investments - transit

Transit Funding Overview

The Federal Transit Administration (FTA) provides financial assistance to develop new transit systems and improve, maintain, and operate existing systems.

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, 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 defines a new category of eligible projects, 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 throughout the country. Toward this goal, FTA provides financial assistance for transportation services planned, designed, and implemented to meet the special transportation needs of the elderly and individuals with disabilities in all areas—urbanized, small urban, and rural. The program requires coordination of federally assisted programs and services in order to make the most efficient use of federal resources.

Formula Grant for Rural Areas - Section 5311

5311 program funds are used to enhance the access of people in non-urbanized areas to health care, shopping, education, employment, public services, and recreation; 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.

Capital Investment Program: New Starts, Small Starts and Core Capacity Improvements

This program is FTA's primary grant program for funding major transit capital investments, including rapid rail, light rail, bus rapid transit, commuter rail, and ferries.

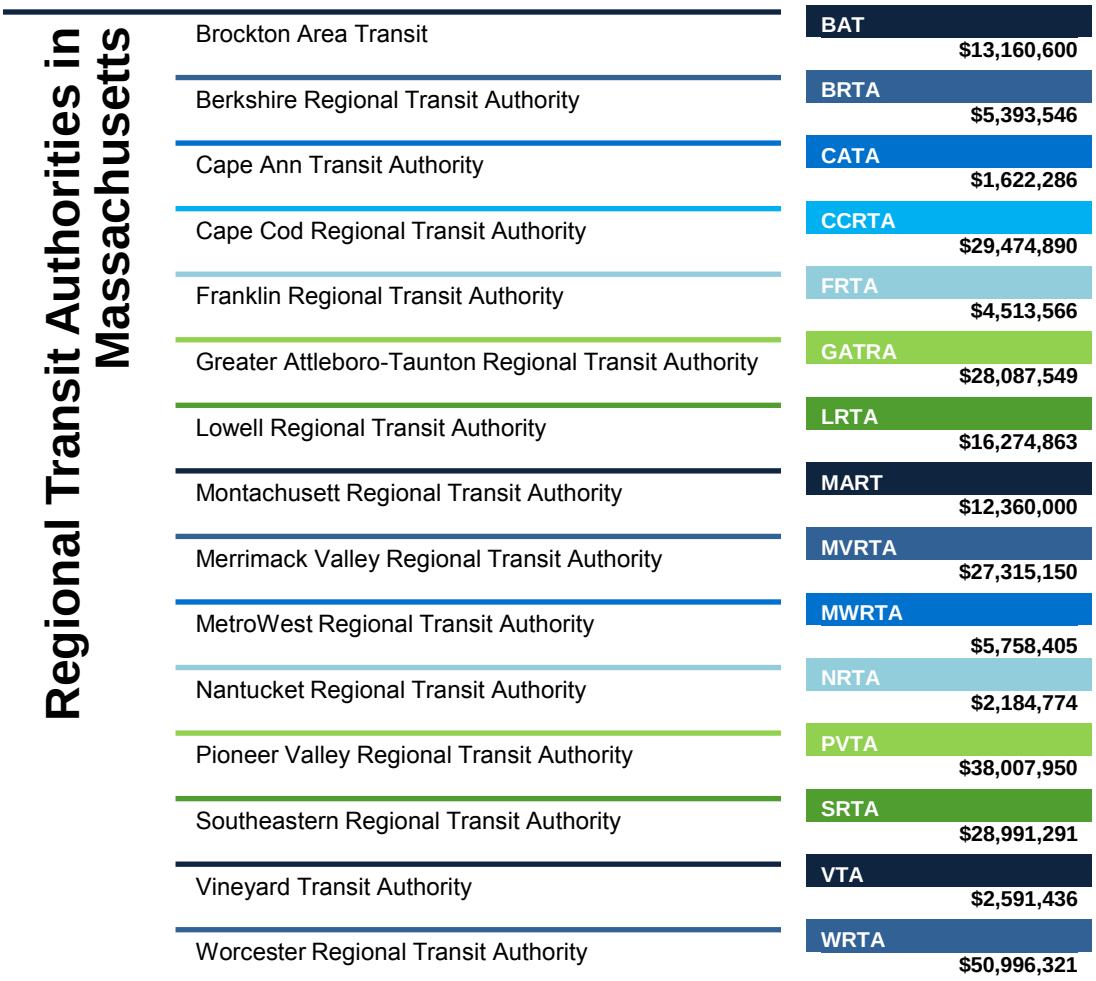

Figure 10 - Transit federal funding programmed in 2016-2019 by RTA

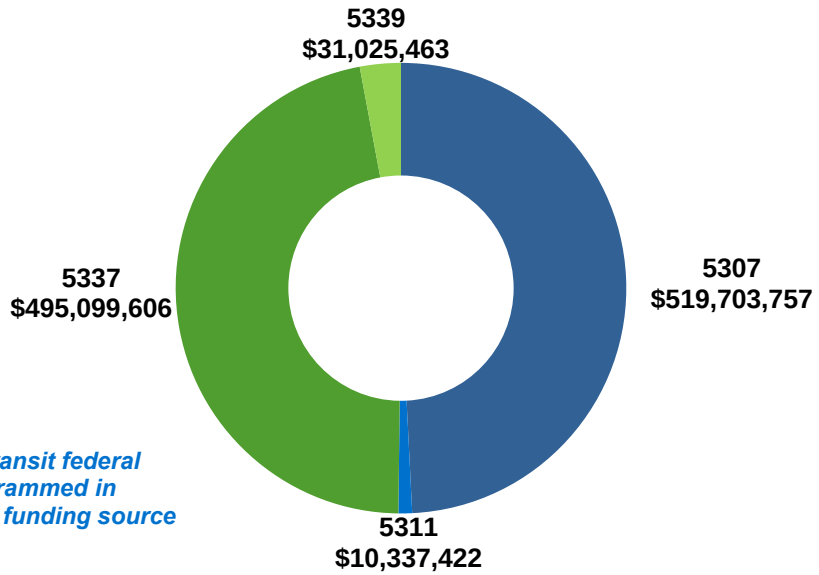

Figure 11 - Transit federal funding programmed in 2016-2019 by funding source

Transit Investments

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Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	Local Funds	Total Cost
5307											
BAT	300900	Operating/PM/ADA		$2,000,000	$0	$0	$0	$0	$2,000,000	$0	$4,000,000
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$511,463	$0	$0	$0	$0	$127,866	$0	$639,329
CCRTA	117A00	PREVENTIVE MAINTENANCE		$2,133,446	$0	$0	$0	$0	$533,361	$0	$2,666,807
CCRTA	300900	OPERATING ASSISTANCE		$700,000	$0	$0	$0	$0	$700,000	$0	$1,400,000
CCRTA	119303	CONSTRUCT LANDSCAPING / SCENIC BEAUTIFICATION		$22,751	$5,689	$0	$0	$0	$0	$0	$28,440
CCRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		$1,068,833	$267,208	$0	$0	$0	$0	$0	$1,336,041
CCRTA	114207	ACQUIRE - ADP HARDWARE		$44,000	$11,000	$0	$0	$0	$0	$0	$55,000
CCRTA	119306	CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES		$42,436	$10,609	$0	$0	$0	$0	$0	$53,045
CCRTA	117L00	MOBILITY MANAGEMENT		$1,160,000	$0	$0	$0	$0	$290,000	$0	$1,450,000
GATRA	442400	SHORT RANGE TRANSIT PLANNING		$80,000	$0	$0	$0	$0	$20,000	$0	$100,000
GATRA	119203	PURCHASE LANDSCAPING / SCENIC BEAUTIFICATION		$30,000	$7,500	$0	$0	$0	$0	$0	$37,500
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV		$1,000,000	$0	$0	$0	$0	$250,000	$0	$1,250,000
GATRA	111215	Purchase - Replacement: Vans - 8		$384,000	$0	$0	$0	$0	$0	$96,000	$480,000
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
GATRA	117L00	MOBILITY MANAGEMENT		$100,000	$0	$0	$0	$0	$25,000	$0	$125,000
GATRA	117A00	PREVENTIVE MAINTENANCE		$2,800,000	$0	$0	$0	$0	$700,000	$0	$3,500,000
GATRA	300901	Operating Assistance		$400,000	$0	$0	$0	$0	$400,000	$0	$800,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS - 4		$220,000	$0	$0	$0	$0	$0	$55,000	$275,000
GATRA	111201	Purchase - Replacement: Buses - 3		$386,374	$96,626	$0	$0	$0	$0	$0	$483,000
GATRA	114403	REHAB/RENOVATE - TAUNTON ADMIN/MAINT FACILITY		$465,668	$116,417	$0	$0	$0	$0	$0	$582,085
LRTA	113403	Construction: Gallagher Intermodal Center Reno.		$627,253	$400,000	$0	$0	$0	$0	$0	$1,027,253
LRTA	113403	Construct: Gallagher Intermodal Pedestrian Walkway		$303,000	$100,000	$0	$0	$0	$0	$0	$403,000
LRTA	111240	Purchase - Capital Spare Parts		$104,000	$26,000	$0	$0	$0	$0	$0	$130,000
LRTA	117A00	PREVENTIVE MAINTENANCE 2016		$1,078,440	$0	$0	$0	$0	$269,610	$0	$1,348,050
LRTA	300901	Operating Assistance 2016		$1,663,686	$0	$0	$0	$0	$3,341,964	$2,538,614	$7,544,264
LRTA	111215	Purchase - Replacement: Fixed Route Vans (2)		$128,667	$51,333	$0	$0	$0	$0	$0	$180,000
LRTA	113103	E&D: Gallagher Intermodal Pedestrian Walkway		$40,000	$160,000	$0	$0	$0	$0	$0	$200,000
LRTA	113111	E&D: Gallagher Intermodal Center Reno.		$120,000	$280,000	$0	$0	$0	$0	$0	$400,000
LRTA	442400	SHORT RANGE TRANSIT PLANNING 2016		$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
LRTA	114206	ACQUIRE - FR & PARA SHOP EQUIPMENT		$50,000	$50,000	$0	$0	$0	$0	$0	$100,000
MART	300901	UP TO 50% FEDERAL SHARE		$2,200,000	$0	$0	$0	$0	$2,200,000	$0	$4,400,000
MART	114400	REHAB/RENOVATE BUS SUPPORT FACIL/EQUIP		$112,000	$28,000	$0	$0	$0	$0	$0	$140,000
MART	111215	BUY REPLACEMENT VAN (5)		$230,000	$57,500	$0	$0	$0	$0	$0	$287,500
MART	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$120,000	$30,000	$0	$0	$0	$0	$0	$150,000

2016

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	Local Funds	Total Cost
MART	114403	REHAB/RENOVATE - ADMIN/MAINT FAC (Match in FY17)		$384,000	$0	$0	$0	$0	$0	$0	$384,000
MBTA	117A00	PREVENTIVE MAINTENANCE		$12,000,000	$0	$0	$0	$0	$0	$3,000,000	$15,000,000
MBTA	119400	Systems Upgrades		$58,685,516	$0	$0	$0	$0	$0	$14,671,379	$73,356,895
MVRTA		Purchase - Replacement: Buses 7 Model Year 2004 De		$2,391,200	$597,800	$0	$0	$0	$0	$0	$2,989,000
MVRTA		Preventive Maintenance Expense		$2,505,065	$0	$0	$0	$0	$626,265	$0	$3,131,330
MVRTA		Replace 5 Model year Vans with New		$256,000	$64,000	$0	$0	$0	$0	$0	$320,000
MVRTA	300900	OPERATING ASSISTANCE		$342,175	$0	$0	$0	$0	$342,175	$0	$684,350
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
MVRTA	114211	ACQUIRE - SUPPORT VEHICLES		$72,000	$18,000	$0	$0	$0	$0	$0	$90,000
MVRTA	111202	Replace 10 Model 2004 Buses		$3,360,000	$840,000	$0	$0	$0	$0	$0	$4,200,000
MVRTA		ADA Operating Expense		$1,048,955	$0	$0	$0	$0	$262,240	$0	$1,311,195
MVRTA	113303	Construction: Newburyport Intermodal Transit Cente		$2,000,000	$0	$0	$0	$0	$0	$500,000	$2,500,000
MVRTA	113103	Final Design Newburyport Intermodal Facility		$120,000	$0	$0	$0	$0	$0	$30,000	$150,000
MVRTA	114402	State of Good Repair Maintenance Facility		$58,800	$0	$0	$0	$14,200	$0	$0	$58,800
MVRTA	113403	State of Good Repair McGovern Center		$32,000	$0	$0	$0	$8,000	$0	$0	$32,000
MVRTA	113401	State of Good Repair Buckley Center		$12,000	$0	$0	$0	$3,000	$0	$0	$12,000
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		$283,056	$70,765	$0	$0	$0	$0	$0	$353,821
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$1,300,000	$0	$0	$0	$0	$325,000	$0	$1,625,000
MWRTA	113303	TERMINAL, INTERMODAL (TRANSIT)		$150,000	$37,500	$0	$0	$0	$0	$0	$187,500
MWRTA	440000	Mobility Management		$25,000	$6,250	$0	$0	$0	$0	$0	$31,250
PVTA	114220	Communications Sys, Including ITS (Match for FY15)		$372,800	$1,208,936	$0	$0	$0	$0	$0	$1,581,736
SRTA	300901	UP TO 50% FEDERAL SHARE		$5,002,155	$0	$0	$0	$0	$5,002,155	$0	$10,004,310
SRTA		ADA Operating Projects		$160,000	$0	$0	$0	$0	$40,000	$0	$200,000
SRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
SRTA	111215	BUY REPLACEMENT VAN		$45,600	$11,400	$0	$0	$0	$0	$0	$57,000
SRTA	112120	ENG/DESIGN - ITS Project		$638,040	$159,510	$0	$0	$0	$0	$0	$797,550
SRTA	114211	ACQUIRE - SUPPORT VEHICLES		$28,000	$7,000	$0	$0	$0	$0	$0	$35,000
SRTA	111840	LEASE Tires		$48,000	$12,000	$0	$0	$0	$0	$0	$60,000
SRTA		Preventive Maintenance		$640,000	$0	$0	$0	$0	$160,000	$0	$800,000
SRTA	114402	REHAB/RENOVATE - MAINTENANCE FACILITY		$200,000	$0	$0	$0	$0	$50,000	$0	$250,000
SRTA	111202	BUY REPLACEMENT 35-FT & 40-ft BUS (6)		$240,242	$60,061	$0	$0	$0	$0	$0	$300,303
WRTA		Miscellaneous Equipment		$33,600	$8,400	$0	$0	$0	$0	$0	$42,000
WRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$920,252	$0	$0	$0	$0	$230,063	$0	$1,150,315
WRTA		Transportation Planning		$281,694	$0	$0	$0	$0	$70,424	$0	$352,118
WRTA		Purchase - Miscellaneous Support Equipment		$124,000	$31,000	$0	$0	$0	$0	$0	$155,000
WRTA		Spare Parts / Associated Capital Maintenance		$177,037	$44,259	$0	$0	$0	$0	$0	$221,296

y	FTA Activity Line Item	Project Description	Carryover or Earmark	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	Local Funds	Total Cost
WRTA		Computer Technologies - Software		$140,160	$35,040	$0	$0	$0	$0	$0	$175,200
WRTA		Computer Technologies - Hardware		$144,960	$36,240	$0	$0	$0	$0	$0	$181,200
WRTA		Enhancements - Signage		$48,800	$12,200	$0	$0	$0	$0	$0	$61,000
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$3,300,000	$0	$0	$0	$660,000	$0	$0	$3,300,000
WRTA		Preventive Maintenance		$4,012,664	$0	$0	$0	$0	$1,003,116	$0	$5,015,780
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
WRTA	114211	ACQUIRE - SUPPORT VEHICLES (3)		$86,000	$21,500	$0	$0	$0	$0	$0	$107,500
WRTA		Purchase Shop Equipment		$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
WRTA		Enhancements - Shelters		$30,000	$7,500	$0	$0	$0	$0	$0	$37,500
			Subtotal	**$122,433,788**	**$5,049,243**	**$0**	**$0**	**$685,200**	**$18,969,239**	**$20,930,993**	**$167,383,263**
5309											
MBTA	132303	Green Line Extension Project - Extension to College Avenue with the Union Square Spur	**Subtotal**	**$150,000,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$217,838,000**	**$367,838,000**
5310											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
5311											
BRTA	300900	OPERATING ASSISTANCE FY16		$266,381	$0	$0	$0	$0	$266,381	$0	$532,762
FRTA	300900	OPERATING ASSISTANCE		$1,106,088	$0	$0	$0	$0	$775,233	$330,855	$2,212,176
NRTA	300900	OPERATING ASSISTANCE		$537,588	$0	$0	$0	$0	$394,651	$142,937	$1,075,176
VTA	300901	UP TO 50% FEDERAL SHARE		$854,721	$0	$0	$0	$0	$854,721	$0	$1,709,442
			Subtotal	**$2,764,778**	**$0**	**$0**	**$0**	**$0**	**$2,290,986**	**$473,792**	**$5,529,556**
5337											
MBTA	122404	Bridge & Tunnel Program		$85,000,000	$0	$0	$0	$0	$0	$21,250,000	$106,250,000
MBTA	123402	Stations - T-GAPS		$16,000,000	$0	$0	$0	$0	$0	$4,000,000	$20,000,000
MBTA	119400	Systems Upgrades		$20,190,546	$0	$0	$0	$0	$0	$5,047,637	$25,238,183
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		$2,373,515	$0	$0	$0	$0	$0	$593,379	$2,966,894
			Subtotal	**$123,564,061**	**$0**	**$0**	**$0**	**$0**	**$0**	**$30,891,016**	**$154,455,077**
5339											
CCRTA	113400	REHAB/RENOVATE BUS STATIONS		$436,720	$109,180	$0	$0	$0	$0	$0	$545,900
GATRA		Purchase - Replacement: Buses - 3		$457,498	$74,374	$0	$0	$0	$0	$0	$531,872
GATRA	114403	REHAB/RENOVATE - TAUNTON ADMIN/MAINT FACILITY		$54,332	$13,583	$0	$0	$0	$0	$0	$67,915
MBTA	119400	Systems Upgrades		$5,287,027	$0	$0	$0	$0	$0	$1,321,757	$6,608,784
PVTA	114220	Communications Sys, Including ITS (Match for FY15)		$12,055	$3,014	$0	$0	$0	$0	$0	$15,069
SRTA	111202	BUY REPLACEMENT 35-FT & 40-ft BUS (6)		$269,704	$1,979,723	$0	$0	$0	$0	$0	$2,249,427
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$467,540	$0	$0	$0	$93,508	$0	$0	$467,540
			Subtotal	**$6,984,876**	**$2,179,874**	**$0**	**$0**	**$93,508**	**$0**	**$1,321,757**	**$10,486,507**
5320											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Other Federal											

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	Local Funds	Total Cost
Other Non Federal											
BAT	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)		$0	$30,000	$0	$0	$0	$0	$0	$30,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT (Match for FY15)		$0	$6,000	$0	$0	$0	$0	$0	$6,000
BAT	111700	VEH OVERHAUL (UP TO 20% VEH MNT) (Match for FY15)		$0	$120,000	$0	$0	$0	$0	$0	$120,000
BAT	111240	BUY ASSOC CAP MAINT ITEMS (Match for FY15)		$0	$20,000	$0	$0	$0	$0	$0	$20,000
BAT	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)		$0	$16,000	$0	$0	$0	$0	$0	$16,000
BAT	114211	ACQUIRE - SUPPORT VEHICLES (1) (Match for FY15)		$0	$7,600	$0	$0	$0	$0	$0	$7,600
BAT	114100	ENG & DES - BUS FUEL FAC (Match for FY15)		$0	$5,000	$0	$0	$0	$0	$0	$5,000
BRTA	113403	TERMINAL, INTERMODAL (BUS DECK) - Match for FY15		$0	$75,000	$0	$0	$0	$0	$0	$75,000
BRTA	114402	MAINT FACILITY BUS LIFT REPLACE - Match for FY 15		$0	$5,000	$0	$0	$0	$0	$0	$5,000
BRTA	114211	ACQUIRE - SUPPORT VEHICLES (1) - Match for FY15		$0	$10,000	$0	$0	$0	$0	$0	$10,000
BRTA	117A00	PREVENTIVE MAINTENANCE - Match for FY15		$0	$30,000	$0	$0	$0	$0	$0	$30,000
BRTA	111215	BUY REPLACEMENT VAN (3) - Match for FY15		$0	$299,000	$0	$0	$0	$0	$0	$299,000
BRTA	114409	REHAB/RENOVATE - SURVEIL/SECURITY (match for FY15)		$0	$5,200	$0	$0	$0	$0	$0	$5,200
CTA	111203	BUY REPLACEMENT 30-FT BUS (4)		$0	$800,000	$0	$0	$0	$0	$0	$800,000
CTA	114206	SHOP EQ/SOFTWARE MAINT - Match for FY15		$0	$10,000	$0	$0	$0	$0	$0	$10,000
CTA	114403	REHAB/RENO - OPS FACILITY - Match for FY15		$0	$15,600	$0	$0	$0	$0	$0	$15,600
CTA	114220	ACQUIRE - MISC SUPPORT EQUIP - Match for FY15		$0	$4,176	$0	$0	$0	$0	$0	$4,176
FRTA	116402	Rehab/Renovation: Communications Systems		$0	$100,000	$0	$0	$0	$0	$0	$100,000
FRTA	119202	PURCHASE BUS SHELTERS		$0	$22,500	$0	$0	$0	$0	$0	$22,500
FRTA	114409	Rehab/Renovation: Surveillance/Security		$0	$10,000	$0	$0	$0	$0	$0	$10,000
FRTA	111202	BUY REPLACEMENT 35-FT BUS		$0	$114,886	$0	$0	$0	$0	$254,954	$369,840
GATRA	113301	CONST - N. ATTLEBORO BUS TERMINAL (Match in FY15)		$0	$40,000	$0	$0	$0	$0	$160,000	$200,000
LRTA	111203	BUY (6) REPLACEMENT 30-FT BUS (Match for FY 15)		$0	$500,000	$0	$0	$0	$0	$0	$500,000
LRTA	114211	Purchase Dump/Plow Truck FR (Match for FY15)		$0	$14,000	$0	$0	$0	$0	$0	$14,000
LRTA	113401	SEALCOAT & STRIPE - BUS TERMINAL (Match for FY15)		$0	$55,000	$0	$0	$0	$0	$0	$55,000
LRTA	111400	Replace Batteries for Hybrid Electric Buses		$0	$95,000	$0	$0	$0	$0	$0	$95,000

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Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	Local Funds	Total Cost
LRTA	111403	REHAB/REBUILD 30-FT BUS		$0	$50,000	$0	$0	$0	$0	$0	$50,000
MART	111203	BUY REPLACEMENT 30-FT BUS (2) (Matching FY15 5307)		$0	$150,000	$0	$0	$0	$0	$0	$150,000
MART	111215	BUY REPLACEMENT VANS (12)		$0	$420,000	$0	$0	$0	$0	$0	$420,000
MART	117691	REAL ESTATE ACQUISITION		$0	$88,200	$0	$0	$0	$0	$0	$88,200
MART	114402	REHAB/RENOVATE - MAINTENANCE FACILITY		$0	$40,800	$0	$0	$0	$0	$0	$40,800
MWRTA	113401	REHAB/RENOVATE - BUS TERMINAL		$0	$970,000	$0	$0	$0	$0	$0	$970,000
NRTA	111203	BUY REPLACEMENT 30-FT BUS (2)		$0	$460,000	$0	$0	$0	$0	$0	$460,000
NRTA	114209	ACQUIRE - MOBILE SURV/SECURITY EQUIP		$0	$75,000	$0	$0	$0	$0	$0	$75,000
NRTA	1000002	PREVENTIVE MAINTENANCE		$0	$7,500	$0	$0	$0	$0	$0	$7,500
NRTA	114400	REHAB/RENOVATE BUS SUPPORT FACIL/EQUIP		$0	$15,000	$0	$0	$0	$0	$0	$15,000
NRTA	114402	REHAB/RENOVATE - MAINTENANCE FACILITY		$0	$120,000	$0	$0	$0	$0	$0	$120,000
PVTA	111215	Purchase - Replacement: Vans (30)		$0	$2,873,700	$0	$0	$0	$0	$0	$2,873,700
PVTA	114206	Rehab/Renovation: Shop Equipment (Match for FY15)		$0	$10,000	$0	$0	$0	$0	$0	$10,000
PVTA	119302	Transit Enmts: Shelters, etc. (Match for FY15)		$0	$30,000	$0	$0	$0	$0	$0	$30,000
PVTA	119308	Transit Enmts: Signs/Lighting (Match for FY15)		$0	$20,000	$0	$0	$0	$0	$0	$20,000
PVTA	117A00	Preventive Maintenance (Match for FY15)		$0	$0	$0	$0	$0	$425,895	$0	$425,895
PVTA	117C00	NON FIXED ROUTE ADA PARA SERV - (Match for FY15)		$0	$0	$0	$0	$0	$298,853	$0	$298,853
PVTA	114211	ACQUIRE - SUPPORT VEHICLES, (1) (Match for FY15)		$0	$20,000	$0	$0	$0	$0	$0	$20,000
PVTA	114402	Environmental Compliance (Match for FY15)		$0	$20,000	$0	$0	$0	$0	$0	$20,000
PVTA	114303	CONSTRUCT - Springfield O& M FACILITY		$0	$3,150,000	$0	$0	$0	$0	$0	$3,150,000
PVTA	111301	BUY 40-FT BUS FOR EXPANSION (4) - Match for FY 15		$0	$395,640	$0	$0	$0	$0	$0	$395,640
PVTA	111201	BUY REPLACEMENT 40-FT BUS (6) Match for FY 15		$0	$593,460	$0	$0	$0	$0	$0	$593,460
PVTA	111202	BUY REPLACEMENT 35-FT BUS (5) - Match for FY15		$0	$489,549	$0	$0	$0	$0	$0	$489,549
PVTA	442301	Planning (Match for FY15)		$0	$0	$0	$0	$0	$54,000	$0	$54,000
PVTA	111301	BUY 40-FT BUS FOR EXPANSION (2) (Match for FY15)		$0	$203,195	$0	$0	$0	$0	$0	$203,195
PVTA	111216	BUY REPL SEDAN/STA WGN (3) (Match for FY15)		$0	$16,800	$0	$0	$0	$0	$0	$16,800
PVTA	113303	TERMINAL, INTERMODAL (TRANSIT) - WESTFIELD		$0	$154,063	$0	$0	$0	$0	$0	$154,063
PVTA	114402	REHAB/RENOVATE - SATCO MAINTENANCE FACILITY		$0	$175,000	$0	$0	$0	$0	$0	$175,000

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Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	Local Funds	Total Cost
PVTA	114402	Rehab/Renovations: Northampton (Match for FY15)		$0	$5,000	$0	$0	$0	$0	$0	$5,000
PVTA	111301	BUY 40-FT BUS FOR EXPANSION (2) (Match for FY15)		$0	$196,805	$0	$0	$0	$0	$0	$196,805
VTA	442700	OTHER ACTIVITIES		$0	$100,000	$0	$0	$0	$0	$0	$100,000
VTA	111203	BUY REPLACEMENT 30-FT BUS (3)		$0	$1,200,000	$0	$0	$0	$0	$0	$1,200,000
VTA	111400	REHAB/REBUILD - CAPITOL BUS		$0	$50,000	$0	$0	$0	$0	$0	$50,000
VTA	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		$0	$100,000	$0	$0	$0	$0	$0	$100,000
VTA	114410	REHAB/RENOVATE - MOBILE FARE COLL EQUIP		$0	$30,000	$0	$0	$0	$0	$0	$30,000
VTA	113402	REHAB/RENOVATE - BUS STATION		$0	$50,000	$0	$0	$0	$0	$0	$50,000
VTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$0	$100,000	$0	$0	$0	$0	$0	$100,000
VTA	114209	ACQUIRE - MOBILE SURV/SECURITY EQUIP		$0	$25,000	$0	$0	$0	$0	$0	$25,000
			Subtotal	**$0**	**$14,814,674**	**$0**	**$0**	**$0**	**$778,748**	**$414,954**	**$16,008,376**
			Total	**$405,747,503**	**$22,043,791**	**$0**	**$0**	**$778,708**	**$22,038,973**	**$271,870,512**	**$721,700,779**

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307											
BAT	114406	REHAB/RENOVATE - SHOP EQUIPMENT	2015	$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
BAT	111240	BUY ASSOC CAP MAINT ITEMS	2015	$96,000	$24,000	$0	$0	$0	$0	$0	$120,000
BAT	114211	ACQUIRE - SUPPORT VEHICLES (1)	2015	$48,000	$12,000	$0	$0	$0	$0	$0	$60,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2015, 2016	$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
BAT	111202	BUY REPLACEMENT 35-FT BUS (4)	2015, 2016	$400,000	$1,600,000	$0	$0	$0	$0	$0	$2,000,000
BAT	300900	Operating/PM/ADA	2015, 2016	$2,000,000	$0	$0	$0	$0	$2,000,000	$0	$4,000,000
BAT	114305	CONSTRUCT - YARDS AND SHOPS	2015	$200,000	$50,000	$0	$0	$0	$0	$0	$250,000
BAT	111201	BUY REPLACEMENT 40-FT BUS (4)	2016	$392,000	$1,568,000	$0	$0	$0	$0	$0	$1,960,000
BAT	111700	VEH OVERHAUL (UP TO 20% VEH MAINT) (5)		$156,000	$624,000	$0	$0	$0	$0	$0	$780,000
BAT	114210	ACQUIRE - MOBILE FARE COLL EQUIP - Student Pass	2015	$20,000	$5,000	$0	$0	$0	$0	$0	$25,000
BAT	114400	REHAB/RENOVATE BUS SUPPORT FACIL Garage Sealant	2016	$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
BRTA		Purchase - Replacement: Buses (1)		$103,488	$25,872	$0	$0	$0	$0	$0	$129,360
BRTA	117C00	ADA Operating Projects		$16,665	$0	$0	$0	$0	$16,665	$0	$33,330
BRTA		Preventive Maintenance		$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
BRTA	114406	Rehab/Renovation: Shop Equipment		$20,000	$5,000	$0	$0	$0	$0	$0	$25,000
BRTA	111215	BUY REPLACEMENT VAN (1)		$95,680	$23,920	$0	$0	$0	$0	$0	$119,600
CATA	117A00	PREVENTIVE MAINTENANCE	2016	$400,000	$0	$0	$0	$0	$0	$100,000	$500,000
CATA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2016	$19,390	$4,848	$0	$0	$0	$0	$0	$24,238
CATA	114211	ACQUIRE - SUPPORT VEHICLES	2016	$88,000	$22,000	$0	$0	$0	$0	$0	$110,000
CATA	114206	ACQUIRE - SHOP EQ/SOFTWARE MAINTENANCE	2016	$28,000	$7,000	$0	$0	$0	$0	$0	$35,000
CCRTA	119302	CONSTRUCTION - BUS SHELTERS	2016	$46,400	$11,600	$0	$0	$0	$0	$0	$58,000
CCRTA	114207	ACQUIRE - ADP HARDWARE	2015	$52,000	$13,000	$0	$0	$0	$0	$0	$65,000
CCRTA	119305	CONSTRUCT PED ACCESS / WALKWAYS	2016	$20,748	$5,187	$0	$0	$0	$0	$0	$25,935
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2016	$526,807	$0	$0	$0	$0	$131,702	$0	$658,509
CCRTA	117A00	PREVENTIVE MAINTENANCE	2016	$2,197,449	$0	$0	$0	$0	$549,362	$0	$2,746,811
CCRTA	117L00	MOBILITY MANAGEMENT	2015, 2016	$1,192,000	$0	$0	$0	$0	$298,000	$0	$1,490,000
CCRTA	300900	OPERATING ASSISTANCE	2016	$800,000	$0	$0	$0	$0	$800,000	$0	$1,600,000
CCRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2016	$1,205,958	$301,489	$0	$0	$0	$0	$0	$1,507,447
GATRA	123104	ENG/DESIGN - ATTLEBORO PARK & RIDE FACIL		$600,000	$0	$0	$0	$0	$0	$150,000	$750,000
GATRA	111215	BUY REPLACEMENT VAN - 7	2016	$336,000	$0	$0	$0	$0	$0	$84,000	$420,000
GATRA	114402	REHAB/RENOVATE - TAUNTON MAINTENANCE FACILITY	2016	$280,000	$70,000	$0	$0	$0	$0	$0	$350,000
GATRA	119203	PURCHASE LANDSCAPING / SCENIC BEAUTIFICATION	2016	$32,000	$8,000	$0	$0	$0	$0	$0	$40,000
GATRA	116220	PURCHASE MISC COMMUNICATIONS EQUIP	2016	$48,000	$12,000	$0	$0	$0	$0	$0	$60,000

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2016	$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV	2016	$1,000,000	$0	$0	$0	$0	$250,000	$0	$1,250,000
GATRA	300901	Operating Assistance	2016	$500,000	$0	$0	$0	$0	$500,000	$0	$1,000,000
GATRA	113303	Construct Plymouth TERMINAL, INTERMODAL Yr. 1		$1,200,000	$0	$0	$0	$0	$0	$300,000	$1,500,000
GATRA	114102	ENG/DESIGN - EAST MAINT FACILITY		$289,677	$72,419	$0	$0	$0	$0	$0	$362,096
GATRA	117A00	PREVENTIVE MAINTENANCE	2016	$2,800,000	$0	$0	$0	$0	$700,000	$0	$3,500,000
GATRA	442400	SHORT RANGE TRANSIT PLANNING	2016	$80,000	$0	$0	$0	$0	$20,000	$0	$100,000
LRTA	111240	Purchase - Capital Spare Parts	2015	$104,000	$26,000	$0	$0	$0	$0	$0	$130,000
LRTA	442400	SHORT RANGE TRANSIT PLANNING 2017	2015	$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
LRTA	300901	Operating Assistance 2017	2015, 2016	$1,663,686	$0	$0	$0	$0	$3,431,207	$2,602,080	$7,696,973
LRTA	117A00	PREVENTIVE MAINTENANCE 2017	2016	$1,082,428	$0	$0	$0	$0	$270,622	$0	$1,353,050
LRTA	111215	BUY REPLACEMENT FIXED ROUTE VAN (1)	2015	$70,000	$25,000	$0	$0	$0	$0	$0	$95,000
LRTA	111203	BUY REPLACEMENT 30-FT BUS DIESEL BUSES (12)		$2,550,000	$2,550,000	$0	$0	$0	$0	$0	$5,100,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS (IT EQUIPMENT)		$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
MART	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
MART	300901	UP TO 50% FEDERAL SHARE		$2,000,000	$0	$0	$0	$0	$2,000,000	$0	$4,000,000
MART	123404	REHAB/RENOV - PARK & RIDE FACILITY		$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
MART	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		$280,000	$70,000	$0	$0	$0	$0	$0	$350,000
MART	111215	BUY REPLACEMENT VAN (5)		$236,000	$59,000	$0	$0	$0	$0	$0	$295,000
MART	113220	ACQUIRE - MISC BUS STATION EQUIP		$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
MBTA	117A00	PREVENTIVE MAINTENANCE		$12,000,000	$0	$0	$0	$0	$0	$3,000,000	$15,000,000
MBTA	119400	Systems Upgrades		$58,685,516	$0	$0	$0	$0	$0	$14,671,379	$73,356,895
MVRTA		Rehab/Renovation: Refurbish Engine/Transmission 8 Model Year 2011 Buses		$185,600	$46,400	$0	$0	$0	$0	$0	$232,000
MVRTA		ADA Operating Expense	2016	$1,080,420	$0	$0	$0	$0	$270,105	$0	$1,350,525
MVRTA		Preventive Maintenance Expense	2016	$2,593,745	$0	$0	$0	$0	$648,435	$0	$3,242,180
MVRTA		Purchase 3 New Model 2017 35' Transit Buses		$1,056,000	$264,000	$0	$0	$0	$0	$0	$1,320,000
MVRTA	300900	OPERATING ASSISTANCE		$398,920	$0	$0	$0	$0	$398,920	$0	$797,840
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
MVRTA	114211	ACQUIRE - SUPPORT VEHICLES		$37,080	$9,270	$0	$0	$0	$0	$0	$46,350
MWRTA	113303	TERMINAL, INTERMODAL (TRANSIT): Facil. Improvements		$150,000	$37,500	$0	$0	$0	$0	$0	$187,500
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		$248,415	$62,104	$0	$0	$0	$0	$0	$310,519
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$1,300,000	$0	$0	$0	$0	$325,000	$0	$1,625,000
MWRTA	440000	Mobility Management		$25,000	$6,250	$0	$0	$0	$0	$0	$31,250
PVTA	114406	Purchase/Renovate Shop Equipment	2016	$80,000	$20,000	$0	$0	$0	$0	$0	$100,000

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Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
PVTA	119302	Transit Enhancements: Shelters, benches, etc.	2016	$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
PVTA	119308	Transit Enhancements: Signs/Lighting	2016	$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
PVTA	114220	Rehab/Renovation: Communications Systems (ITS)	2016	$3,000,785	$1,164,877	$0	$0	$0	$0	$0	$4,165,662
PVTA	442301	Planning	2016	$236,000	$0	$0	$0	$0	$59,000	$0	$295,000
PVTA	117C00	ADA Operating Projects	2016	$1,207,364	$0	$0	$0	$0	$301,841	$0	$1,509,205
PVTA	117A00	Preventive Maintenance	2016	$2,500,000	$0	$0	$0	$0	$625,000	$0	$3,125,000
PVTA	111304	BUY <30-FT BUS FOR EXPANSION	2016	$456,000	$114,000	$0	$0	$0	$0	$0	$570,000
PVTA	111216	BUY REPL SEDAN/STATION WAGON, (8)	2016	$192,000	$48,000	$0	$0	$0	$0	$0	$240,000
PVTA	114402	REHAB/RENOVATE - Environmental Compliance	2016	$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
PVTA	119306	CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES	2016	$6,400	$1,600	$0	$0	$0	$0	$0	$8,000
PVTA	114402	REHAB/RENOVATE - MAINTENANCE FACILITY, SATCO	2016	$480,000	$120,000	$0	$0	$0	$0	$0	$600,000
PVTA	113303	TERMINAL, INTERMODAL (TRANSIT), Northampton, YR 1	2016	$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
PVTA	111306	Purchase - Expansion: Buses (8)	2016	$3,296,000	$824,000	$0	$0	$0	$0	$0	$4,120,000
PVTA	111216	BUY REPL SEDAN/Vans (non accessible) (5)	2016	$112,000	$28,000	$0	$0	$0	$0	$0	$140,000
SRTA	442400	SHORT RANGE TRANSIT PLANNING	2014	$96,000	$0	$0	$0	$0	$0	$24,000	$120,000
SRTA	300901	UP TO 50% FEDERAL SHARE	2016	$5,002,155	$0	$0	$0	$0	$5,002,155	$0	$10,004,310
SRTA		ADA Operating Projects	2014	$160,000	$0	$0	$0	$0	$40,000	$0	$200,000
SRTA		Preventive Maintenance	2014	$640,000	$0	$0	$0	$0	$160,000	$0	$800,000
SRTA		Rehab/Renovation: Surveillance/Security	2014	$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
SRTA	111215	BUY REPLACEMENT VAN (1)	2014	$45,600	$11,400	$0	$0	$0	$0	$0	$57,000
SRTA	111640	Tire Lease	2014	$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
SRTA	112120	ENG/DESIGN - ITS	2014, 2015	$638,040	$159,510	$0	$0	$0	$0	$0	$797,550
SRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2014	$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
SRTA	114402	REHAB/RENOVATE - MAINTENANCE FACILITY	2014	$200,000	$50,000	$0	$0	$0	$0	$0	$250,000
SRTA	111340	CAP MAINT ITEMS - Hybrid Battery (2)	2014	$73,600	$18,400	$0	$0	$0	$0	$0	$92,000
SRTA	114211	ACQUIRE - SUPPORT VEHICLES	2014	$28,000	$7,000	$0	$0	$0	$0	$0	$35,000
WRTA		Miscellaneous Equipment		$39,200	$9,800	$0	$0	$0	$0	$0	$49,000
WRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$938,657	$0	$0	$0	$0	$234,664	$0	$1,173,321
WRTA		Preventive Maintenance	2016	$4,092,917	$0	$0	$0	$0	$1,023,229	$0	$5,116,146
WRTA		Project Administration	2016	$54,595	$0	$0	$0	$0	$13,649	$0	$68,244
WRTA		Transportation Planning	2016	$285,927	$0	$0	$0	$0	$71,482	$0	$357,409
WRTA		Purchase - Support Vehicle (1)		$86,000	$21,500	$0	$0	$0	$0	$0	$107,500
WRTA		Purchase - Miscellaneous Support Equipment		$180,000	$45,000	$0	$0	$0	$0	$0	$225,000
WRTA		Spare Parts / Associated Capital Maintenance		$205,868	$51,467	$0	$0	$0	$0	$0	$257,335
WRTA		Purchase Shop Equipment		$8,000	$2,000	$0	$0	$0	$0	$0	$10,000

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Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
WRTA		Computer Technologies - Software		$77,576	$19,394	$0	$0	$0	$0	$0	$96,970
WRTA		Computer Technologies - Hardware		$381,344	$95,336	$0	$0	$0	$0	$0	$476,680
WRTA		Enhancements - Shelters		$30,000	$7,500	$0	$0	$0	$0	$0	$37,500
WRTA		Enhancements - Signage		$48,800	$12,200	$0	$0	$0	$0	$0	$61,000
WRTA		Purchase - Expansion: Buses (2)		$1,260,000	$0	$0	$0	$252,000	$0	$0	$1,260,000
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$2,100,000	$0	$0	$0	$420,000	$0	$0	$2,100,000
			Subtotal	**$132,479,900**	**$10,712,843**	**$0**	**$0**	**$672,000**	**$20,141,038**	**$20,971,459**	**$184,305,240**
5309											
MBTA	132303	Green Line Extension Project - Extension to College Avenue with the Union Square Spur	**Subtotal**	**$150,000,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$230,670,000**	**$380,670,000**
5310											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
5311											
FRTA	300900	OPERATING ASSISTANCE	2016	$1,116,154	$0	$0	$0	$0	$775,233	$340,921	$2,232,308
NRTA	300900	OPERATING ASSISTANCE	2016	$543,287	$0	$0	$0	$0	$394,651	$148,636	$1,086,574
VTA	300901	UP TO 50% FEDERAL SHARE	2016	$863,782	$0	$0	$0	$0	$863,782	$0	$1,727,564
			Subtotal	**$2,523,223**	**$0**	**$0**	**$0**	**$0**	**$2,033,666**	**$489,557**	**$5,046,446**
5337											
MBTA	122404	Bridge & Tunnel Program		$100,000,000	$0	$0	$0	$0	$0	$25,000,000	$125,000,000
MBTA	119400	Systems Upgrades		$21,190,546	$0	$0	$0	$0	$0	$5,297,637	$26,488,183
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		$2,397,250	$0	$0	$0	$0	$0	$599,313	$2,996,563
			Subtotal	**$123,587,796**	**$0**	**$0**	**$0**	**$0**	**$0**	**$30,896,950**	**$154,484,746**
5339											
CCRTA	113400	REHAB/RENOVATE BUS STATIONS	2014, 2015	$449,822	$112,455	$0	$0	$0	$0	$0	$562,277
GATRA	111203	BUY REPLACEMENT 30-FT BUS - 3	2016	$768,000	$192,000	$0	$0	$0	$0	$0	$960,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS - 4		$224,000	$0	$0	$0	$0	$0	$56,000	$280,000
MBTA	119400	Systems Upgrades		$5,287,027	$0	$0	$0	$0	$0	$1,321,757	$6,608,784
SRTA	111202	BUY REPLACEMENT 35-FT BUS	2014, 2015	$422,855	$1,691,420	$0	$0	$0	$0	$0	$2,114,275
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$476,891	$0	$0	$0	$95,378	$0	$0	$476,891
			Subtotal	**$7,628,595**	**$1,995,875**	**$0**	**$0**	**$95,378**	**$0**	**$1,377,757**	**$11,002,227**
5320											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Other Federal											
Other Non Federal											
BAT	300900	Operating: Saturday Evening Service		$0	$0	$0	$0	$0	$75,000	$75,000	$150,000
BAT	111204	BUY REPLACEMENT <30 FT BUS (7)		$0	$0	$0	$0	$0	$0	$485,000	$485,000
BAT	111215	BUY REPLACEMENT VAN COA (3)		$0	$0	$0	$0	$0	$0	$190,000	$190,000
BAT	300900	OPERATING ASSISTANCE - Sunday Service		$0	$0	$0	$0	$0	$175,000	$175,000	$350,000
BAT	300900	OPERATING ASSISTANCE - Avon/Stoughton		$0	$0	$0	$0	$0	$28,000	$28,000	$56,000

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Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
BAT	300900	OPERATING ASSISTANCE - Rockland		$0	$0	$0	$0	$0	$50,000	$50,000	$100,000
CATA	111203	BUY REPLACEMENT 30-FT BUS (3)		$0	$1,275,000	$0	$0	$0	$0	$0	$1,275,000
FRTA	111203	BUY REPLACEMENT 30-FT BUS		$0	$429,920	$0	$0	$0	$0	$0	$429,920
FRTA	113403	Rehab/Renovation: Terminal, Intermodal		$0	$50,000	$0	$0	$0	$0	$0	$50,000
FRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$0	$10,000	$0	$0	$0	$0	$0	$10,000
FRTA	114409	Rehab/Renovation: Surveillance/Security		$0	$5,000	$0	$0	$0	$0	$0	$5,000
FRTA	114406	Rehab/Renovation: Shop Equipment		$0	$10,000	$0	$0	$0	$0	$0	$10,000
FRTA	114403	Rehab/Renovation: Admin/Maint Facility		$0	$15,500	$0	$0	$0	$0	$0	$15,500
MART	114403	REHAB/RENOVATE - ADMIN/MAINT FAC (Match for FY16)		$0	$95,000	$0	$0	$0	$0	$0	$95,000
NRTA	111303	BUY 30-FT BUS FOR EXPANSION (3)		$0	$780,000	$0	$0	$0	$0	$0	$780,000
NRTA	114207	ACQUIRE - ADP HARDWARE		$0	$20,000	$0	$0	$0	$0	$0	$20,000
NRTA	113410	REHAB/RENOVATE - BUS PASSENGER SHELTERS		$0	$5,000	$0	$0	$0	$0	$0	$5,000
NRTA	1000002	PREVENTIVE MAINTENANCE		$0	$7,500	$0	$0	$0	$0	$0	$7,500
NRTA	111203	BUY REPLACEMENT 30-FT BUS (3)		$0	$780,000	$0	$0	$0	$0	$0	$780,000
NRTA	114306	CONSTRUCT - SHOP EQUIPMENT		$0	$15,000	$0	$0	$0	$0	$0	$15,000
PVTA	111215	Purchase - Replacement: Vans (20)		$0	$1,970,000	$0	$0	$0	$0	$0	$1,970,000
PVTA	114302	CONSTRUCT - MAINT FACILITY, Spfld.O&M, Yr 3		$0	$44,200,000	$0	$0	$0	$0	$0	$44,200,000
VTA	111202	BUY REPLACEMENT 35-FT BUS (3)		$0	$1,350,000	$0	$0	$0	$0	$0	$1,350,000
VTA	114206	ACQUIRE - SHOP EQUIPMENT		$0	$25,000	$0	$0	$0	$0	$0	$25,000
VTA	111400	REHAB/REBUILD - CAPITOL BUS		$0	$175,000	$0	$0	$0	$0	$0	$175,000
VTA	111203	BUY REPLACEMENT 30-FT BUS		$0	$400,000	$0	$0	$0	$0	$0	$400,000
VTA	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		$0	$75,000	$0	$0	$0	$0	$0	$75,000
VTA	113220	ACQUIRE - MISC BUS STATION EQUIP		$0	$75,000	$0	$0	$0	$0	$0	$75,000
VTA	114211	ACQUIRE - SUPPORT VEHICLES		$0	$140,000	$0	$0	$0	$0	$0	$140,000
VTA	113306	CONSTRUCT - STATIONARY BUS FARE COLL EQUIP		$0	$100,000	$0	$0	$0	$0	$0	$100,000
			Subtotal	**$0**	**$52,007,920**	**$0**	**$0**	**$0**	**$328,000**	**$1,003,000**	**$53,338,920**
			Total	**$416,219,514**	**$64,716,638**	**$0**	**$0**	**$767,378**	**$22,502,704**	**$285,408,723**	**$788,847,579**

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307											
BAT	111202	BUY REPLACEMENT 35-FT BUS (4)		$395,000	$1,185,000	$0	$0	$0	$0	$0	$1,580,000
BAT	119202	PURCHASE BUS SHELTERS	2016	$32,000	$8,000	$0	$0	$0	$0	$0	$40,000
BAT	116400	REHAB/RENOV-COMMUNICATIONS EQ	2015	$20,000	$5,000	$0	$0	$0	$0	$0	$25,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
BAT	111240	BUY ASSOC CAP MAINT ITEMS	2016	$96,000	$24,000	$0	$0	$0	$0	$0	$120,000
BAT	114211	ACQUIRE - SUPPORT VEHICLE (1)	2016	$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
BAT	114410	REHAB/RENOVATE - MOBILE FARE COLL EQUIP	2016	$400,000	$100,000	$0	$0	$0	$0	$0	$500,000
BAT	300900	Operating/PM/ADA	2016, 2017	$2,200,000	$0	$0	$0	$0	$0	$2,200,000	$4,400,000
BAT	111201	BUY REPLACEMENT 40-FT BUS (4)		$410,000	$1,230,000	$0	$0	$0	$0	$0	$1,640,000
BRTA	111215	BUY REPLACEMENT VAN (5)	2017	$538,136	$134,534	$0	$0	$0	$0	$0	$672,670
BRTA		Preventive Maintenance		$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
BRTA	114403	Transit Enhancements		$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
BRTA	114406	Rehab/Renovation: Shop Equipment		$20,000	$5,000	$0	$0	$0	$0	$0	$25,000
BRTA	117C00	ADA Operating Projects		$22,500	$0	$0	$0	$0	$22,500	$0	$45,000
BRTA	111215	BUY REPLACEMENT VAN (5)		$300,000	$75,000	$0	$0	$0	$0	$0	$375,000
BRTA	111203	BUY REPLACEMENT 30-FT BUS (2)		$880,000	$220,000	$0	$0	$0	$0	$0	$1,100,000
BRTA	111315	Purchase - Expansion: Vans (3)		$333,000	$82,650	$0	$0	$0	$0	$0	$415,650
CATA	117A00	PREVENTIVE MAINTENANCE	2017	$400,000	$0	$0	$0	$0	$0	$100,000	$500,000
CATA	114206	ACQUIRE - SHOP EQ/SOFTWARE MAINT	2017	$28,000	$7,000	$0	$0	$0	$0	$0	$35,000
CATA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2017	$60,744	$15,186	$0	$0	$0	$0	$0	$75,930
CATA	114206	ACQUIRE - SHOP EQUIPMENT	2017	$52,000	$13,000	$0	$0	$0	$0	$0	$65,000
CCRTA	113400	REHAB/RENOVATE BUS STATIONS	2015, 2017	$463,316	$115,829	$0	$0	$0	$0	$0	$579,145
CCRTA	119305	CONSTRUCT PED ACCESS / WALKWAYS	2016	$21,162	$5,291	$0	$0	$0	$0	$0	$26,453
CCRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2016	$900,407	$225,102	$0	$0	$0	$0	$0	$1,125,509
CCRTA	114207	ACQUIRE - ADP HARDWARE	2016	$56,000	$14,000	$0	$0	$0	$0	$0	$70,000
CCRTA	111203	BUY REPLACEMENT 30-FT BUS (5)	2017	$1,699,500	$424,875	$0	$0	$0	$0	$0	$2,124,375
CCRTA	119302	CONSTRUCTION - BUS SHELTERS	2016	$48,000	$12,000	$0	$0	$0	$0	$0	$60,000
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2016	$542,612	$0	$0	$0	$0	$135,653	$0	$678,265
CCRTA	117L00	MOBILITY MANAGEMENT	2016, 2017	$1,227,760	$0	$0	$0	$0	$306,940	$0	$1,534,700
CCRTA	117A00	PREVENTIVE MAINTENANCE	2017	$2,263,337	$0	$0	$0	$0	$565,843	$0	$2,829,180
CCRTA	300900	OPERATING ASSISTANCE	2017	$1,000,000	$0	$0	$0	$0	$1,000,000	$0	$2,000,000
GATRA	111203	BUY REPLACEMENT 30-FT BUS - 4		$768,000	$192,000	$0	$0	$0	$0	$0	$960,000
GATRA	111215	BUY REPLACEMENT VAN - 6	2017	$300,000	$0	$0	$0	$0	$0	$75,000	$375,000
GATRA	119203	PURCHASE LANDSCAPING / SCENIC BEAUTIFICATION	2017	$32,000	$8,000	$0	$0	$0	$0	$0	$40,000
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2017	$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV	2017	$1,000,000	$0	$0	$0	$0	$250,000	$0	$1,250,000
GATRA	300901	Operating Assistance	2017	$500,000	$0	$0	$0	$0	$500,000	$0	$1,000,000

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
GATRA	117A00	PREVENTIVE MAINTENANCE		$2,800,000	$0	$0	$0	$0	$700,000	$0	$3,500,000
GATRA	442400	SHORT RANGE TRANSIT PLANNING	2017	$80,000	$0	$0	$0	$0	$20,000	$0	$100,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS - 4	2017	$260,000	$0	$0	$0	$0	$0	$65,000	$325,000
LRTA	442400	SHORT RANGE TRANSIT PLANNING 2018	2016	$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
LRTA	111240	Purchase - Capital Spare Parts	2016	$50,000	$50,000	$0	$0	$0	$0	$0	$100,000
LRTA	300901	Operating Assistance 2018	2016, 2017	$1,663,686	$0	$0	$0	$0	$3,524,731	$2,667,132	$7,855,549
LRTA	117A00	PREVENTIVE MAINTENANCE 2018		$1,078,440	$0	$0	$0	$0	$269,610	$0	$1,348,050
MART	300901	UP TO 50% FEDERAL SHARE		$1,750,000	$0	$0	$0	$0	$1,750,000	$0	$3,500,000
MART	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
MART	113209	ACQUIRE - BUS ROUTE SIGNING		$600,000	$150,000	$0	$0	$0	$0	$0	$750,000
MART	129405	REHAB/RENOV PED ACCESS / WALKWAYS		$140,000	$35,000	$0	$0	$0	$0	$0	$175,000
MART	114401	REHAB/RENOVATE - ADMINISTRATIVE FACILITY		$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
MART	111204	BUY REPLACEMENT <30 FT BUS (2)		$184,000	$46,000	$0	$0	$0	$0	$0	$230,000
MART	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT		$200,000	$50,000	$0	$0	$0	$0	$0	$250,000
MBTA	117A00	PREVENTIVE MAINTENANCE		$12,000,000	$0	$0	$0	$0	$0	$3,000,000	$15,000,000
MBTA	119400	Systems Upgrades		$58,685,516	$0	$0	$0	$0	$0	$14,671,379	$73,356,895
MVRTA		ADA Operating Expense	2017	$1,112,835	$0	$0	$0	$0	$278,210	$0	$1,391,045
MVRTA		Preventive Maintenance Expense	2017	$2,661,255	$0	$0	$0	$0	$665,315	$0	$3,326,570
MVRTA		Refurbish Engine/trans 8 model year 2011 buses		$191,170	$47,790	$0	$0	$0	$0	$0	$238,960
MVRTA	114211	ACQUIRE - SUPPORT VEHICLES		$38,200	$9,550	$0	$0	$0	$0	$0	$47,750
MVRTA	300900	OPERATING ASSISTANCE		$440,860	$0	$0	$0	$0	$440,860	$0	$881,720
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		$150,000	$37,500	$0	$0	$0	$0	$0	$187,500
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		$248,519	$62,104	$0	$0	$0	$0	$0	$310,623
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$1,300,000	$0	$0	$0	$0	$325,000	$0	$1,625,000
MWRTA	440000	Mobility Management		$25,000	$6,250	$0	$0	$0	$0	$0	$31,250
PVTA	117A00	Preventive Maintenance	2017	$2,500,000	$0	$0	$0	$0	$625,000	$0	$3,125,000
PVTA	117C00	ADA Operating Projects	2017	$1,219,438	$0	$0	$0	$0	$304,859	$0	$1,524,297
PVTA	442301	Planning	2017	$236,000	$0	$0	$0	$0	$59,000	$0	$295,000
PVTA	114406	Rehab/Renovation: Shop Equipment	2017	$600,000	$150,000	$0	$0	$0	$0	$0	$750,000
PVTA	119302	Transit Enhancements: Shelters	2017	$6,443	$68,557	$0	$0	$0	$0	$0	$75,000
PVTA	119308	Transit Enhancements: Signs/Lighting	2017	$12,000	$3,000	$0	$0	$0	$0	$0	$15,000
PVTA	114220	Misc. Communications Systems and ITS	2017	$3,129,215	$782,304	$0	$0	$0	$0	$0	$3,911,519
PVTA	111216	BUY REPL SEDAN/STATION WAGON, (6)	2017	$144,000	$36,000	$0	$0	$0	$0	$0	$180,000
PVTA	114402	REHAB/RENOVATE - Environmental Compliance	2017	$88,000	$22,000	$0	$0	$0	$0	$0	$110,000
PVTA	119306	CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES	2017	$9,600	$2,400	$0	$0	$0	$0	$0	$12,000

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
PVTA	113303	TERMINAL, INTERMODAL (TRANSIT), Northampton, Yr 2	2017	$640,000	$160,000	$0	$0	$0	$0	$0	$800,000
PVTA	111201	BUY REPLACEMENT 40-FT BUS (10)	2017	$3,029,003	$757,250	$0	$0	$0	$0	$0	$3,786,253
PVTA	111304	BUY <30-FT BUS FOR EXPANSION (2)	2017	$152,000	$38,000	$0	$0	$0	$0	$0	$190,000
SRTA	300901	UP TO 50% FEDERAL SHARE	2017	$5,002,155	$0	$0	$0	$0	$5,002,155	$0	$10,004,310
SRTA		ADA Operating Projects	2015	$160,000	$0	$0	$0	$0	$40,000	$0	$200,000
SRTA		Preventive Maintenance	2015, 2016	$640,000	$0	$0	$0	$0	$160,000	$0	$800,000
SRTA	442400	SHORT RANGE TRANSIT PLANNING	2015	$96,000	$0	$0	$0	$0	$0	$24,000	$120,000
SRTA	114220	Transit Enhancement	2015	$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
SRTA		Rehab/Renovation: Surveillance/Security	2015	$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
SRTA	111215	BUY REPLACEMENT VAN (1)	2015	$45,600	$11,400	$0	$0	$0	$0	$0	$57,000
SRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2015	$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
SRTA	112120	ENG/DESIGN - ITS	2016	$638,040	$159,510	$0	$0	$0	$0	$0	$797,550
SRTA	114211	ACQUIRE - SUPPORT VEHICLES	2017	$28,000	$7,000	$0	$0	$0	$0	$0	$35,000
WRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$957,430	$0	$0	$0	$0	$239,358	$0	$1,196,788
WRTA		Preventive Maintenance	2017	$4,174,776	$0	$0	$0	$0	$1,043,694	$0	$5,218,470
WRTA		Project Administration	2017	$55,687	$0	$0	$0	$0	$13,922	$0	$69,609
WRTA		Transportation Planning	2017	$291,645	$0	$0	$0	$0	$72,911	$0	$364,556
WRTA		Purchase - Support Vehicle		$92,000	$23,000	$0	$0	$0	$0	$0	$115,000
WRTA		Spare Parts / Associated Capital Maintenance		$181,972	$45,493	$0	$0	$0	$0	$0	$227,465
WRTA		Computer Technologies - Software		$82,412	$20,603	$0	$0	$0	$0	$0	$103,015
WRTA		Computer Technologies - Hardware		$377,928	$94,482	$0	$0	$0	$0	$0	$472,410
WRTA		Enhancements - Shelters		$30,000	$7,500	$0	$0	$0	$0	$0	$37,500
WRTA		Enhancements - Signage		$42,160	$10,540	$0	$0	$0	$0	$0	$52,700
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$2,400,000	$0	$0	$0	$480,000	$0	$0	$2,400,000
WRTA	111301	BUY 40-FT BUS FOR EXPANSION (2)		$1,270,000	$0	$0	$0	$254,000	$0	$0	$1,270,000
			Subtotal	**$131,816,459**	**$7,158,700**	**$0**	**$0**	**$734,000**	**$18,315,561**	**$22,842,511**	**$180,133,231**
5309											
MBTA	132303	Green Line Extension Project - Extension to College Avenue with the Union Square Spur	**Subtotal**	**$150,000,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$195,558,000**	**$345,558,000**
5310											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
5311											
FRTA	300900	OPERATING ASSISTANCE	2017	$1,126,321	$0	$0	$0	$0	$775,233	$351,088	$2,252,642
NRTA	300900	OPERATING ASSISTANCE	2017	$549,043	$0	$0	$0	$0	$394,651	$154,392	$1,098,086
VTA	300901	UP TO 50% FEDERAL SHARE	2017	$872,933	$0	$0	$0	$0	$872,933	$0	$1,745,866
			Subtotal	**$2,548,297**	**$0**	**$0**	**$0**	**$0**	**$2,042,817**	**$505,480**	**$5,096,594**
5337											
GATRA	123402	REHAB/RENOV - RAIL GARAGE STATION	2015	$700,000	$0	$0	$0	$0	$0	$175,000	$875,000
MBTA	122404	Bridge & Tunnel Program		$60,000,000	$0	$0	$0	$0	$0	$15,000,000	$75,000,000

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
MBTA	119400	Systems Upgrades		$61,190,546	$0	$0	$0	$0	$0	$15,297,637	$76,488,183
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		$2,421,222	$0	$0	$0	$0	$0	$605,306	$3,026,528
			Subtotal	**$124,311,768**	**$0**	**$0**	**$0**	**$0**	**$0**	**$31,077,943**	**$155,389,711**
5339											
MBTA	119400	Systems Upgrades		$5,287,027	$0	$0	$0	$0	$0	$1,321,757	$6,608,784
PVTA	111201	BUY REPLACEMENT 40-FT BUS		$829,117	$207,280	$0	$0	$0	$0	$0	$1,036,397
SRTA	111202	BUY REPLACEMENT 35-FT BUS (5)	2015, 2016, 2017	$422,855	$1,353,136	$0	$0	$0	$0	$0	$1,775,991
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$486,429	$0	$0	$0	$97,286	$0	$0	$486,429
			Subtotal	**$7,025,428**	**$1,560,416**	**$0**	**$0**	**$97,286**	**$0**	**$1,321,757**	**$9,907,601**
5320											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Other Federal											
Other Non Federal											
BAT	111207	BUY REPLACEMENT COMMUTER BUS (3)		$0	$0	$0	$0	$0	$0	$1,800,000	$1,800,000
BAT	111204	BUY REPLACEMENT <30 FT BUS (7)		$0	$0	$0	$0	$0	$0	$515,000	$515,000
BAT	111215	BUY REPLACEMENT VAN COA (3)		$0	$0	$0	$0	$0	$0	$195,000	$195,000
BAT	113320	CONSTRUCT - MISC BUS STATION EQUIPMENT		$0	$120,000	$0	$0	$0	$0	$480,000	$600,000
BAT	300900	OPERATING ASSISTANCE - Rockland Service		$0	$0	$0	$0	$0	$50,000	$50,000	$100,000
BAT	300900	OPERATING ASSISTANCE - Avon-Stoughton		$0	$0	$0	$0	$0	$28,000	$28,000	$56,000
BAT	300900	OPERATING ASSISTANCE - Saturday Evening Service		$0	$0	$0	$0	$0	$75,000	$75,000	$150,000
BAT	300900	OPERATING ASSISTANCE - Sunday Service		$0	$0	$0	$0	$0	$175,000	$175,000	$350,000
CATA	111209	BUY REPLACEMENT TROLLEY BUS (2)		$0	$900,000	$0	$0	$0	$0	$0	$900,000
FRTA	111203	BUY REPLACEMENT 30-FT BUS		$0	$429,920	$0	$0	$0	$0	$0	$429,920
FRTA	113403	Rehab/Renovation: Terminal, Intermodal		$0	$200,000	$0	$0	$0	$0	$0	$200,000
FRTA	116402	Rehab/Renovation: Communications Systems		$0	$20,000	$0	$0	$0	$0	$0	$20,000
FRTA	114409	Rehab/Renovation: Surveillance/Security		$0	$75,000	$0	$0	$0	$0	$0	$75,000
FRTA	114406	Rehab/Renovation: Shop Equipment		$0	$10,000	$0	$0	$0	$0	$0	$10,000
FRTA	114403	Rehab/Renovation: Admin/Maint Facility		$0	$25,000	$0	$0	$0	$0	$0	$25,000
FRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$0	$16,000	$0	$0	$0	$0	$0	$16,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS (IT EQUIPMENT)		$0	$10,000	$0	$0	$0	$0	$0	$10,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS		$0	$50,000	$0	$0	$0	$0	$0	$50,000
LRTA	111400	Replace Batteries for Hybrid/Electric Buses		$0	$95,000	$0	$0	$0	$0	$0	$95,000
NRTA	111204	BUY REPLACEMENT <30 FT BUS		$0	$270,000	$0	$0	$0	$0	$0	$270,000
NRTA	116403	REHAB/RENOV RADIOS		$0	$25,000	$0	$0	$0	$0	$0	$25,000

2018

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
NRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		$0	$30,000	$0	$0	$0	$0	$0	$30,000
NRTA	114320	CONSTRUCT - MISC. EQUIPMENT		$0	$40,000	$0	$0	$0	$0	$0	$40,000
NRTA	114306	CONSTRUCT - SHOP EQUIPMENT		$0	$15,000	$0	$0	$0	$0	$0	$15,000
NRTA	1000002	PREVENTIVE MAINTENANCE		$0	$7,500	$0	$0	$0	$0	$0	$7,500
PVTA	111216	Purchase - Replacement: Vans (20)		$0	$1,827,000	$0	$0	$0	$0	$0	$1,827,000
PVTA	114211	ACQUIRE - SUPPORT VEHICLES, (5)		$0	$420,000	$0	$0	$0	$0	$0	$420,000
PVTA	114302	CONSTUCT: MAINT FACILITY, Spfld.O&M, Yr 4		$0	$24,100,000	$0	$0	$0	$0	$0	$24,100,000
PVTA	111202	BUY REPLACEMENT 35-FT BUS (8)		$0	$3,710,000	$0	$0	$0	$0	$0	$3,710,000
PVTA	111203	BUY REPLACEMENT 30-FT BUS (9)		$0	$3,675,000	$0	$0	$0	$0	$0	$3,675,000
VTA	111215	BUY REPLACEMENT VAN (2)		$0	$60,000	$0	$0	$0	$0	$0	$60,000
VTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$0	$50,000	$0	$0	$0	$0	$0	$50,000
VTA	114206	ACQUIRE - SHOP EQUIPMENT		$0	$50,000	$0	$0	$0	$0	$0	$50,000
VTA	111403	Rehab/Rebuild: Buses		$0	$100,000	$0	$0	$0	$0	$0	$100,000
VTA	111203	BUY REPLACEMENT 30-FT BUS (1)		$0	$410,000	$0	$0	$0	$0	$0	$410,000
VTA	111202	BUY REPLACEMENT 35-FT BUS (3)		$0	$920,000	$0	$0	$0	$0	$0	$920,000
VTA	113401	REHAB/RENOVATE - BUS TERMINAL		$0	$100,000	$0	$0	$0	$0	$0	$100,000
			Subtotal	**$0**	**$37,760,420**	**$0**	**$0**	**$0**	**$328,000**	**$3,318,000**	**$41,406,420**
			Total	**$415,701,952**	**$46,479,536**	**$0**	**$0**	**$831,286**	**$20,686,378**	**$254,623,691**	**$737,491,557**

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307											
BAT	111202	BUY REPLACEMENT 35-FT BUS (3)	2018	$400,000	$1,600,000	$0	$0	$0	$0	$0	$2,000,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2018	$43,200	$10,800	$0	$0	$0	$0	$0	$54,000
BAT	111240	BUY ASSOC CAP MAINT ITEMS		$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
BAT	114211	ACQUIRE - SUPPORT VEHICLES	2018	$48,000	$12,000	$0	$0	$0	$0	$0	$60,000
BAT	111201	BUY REPLACEMENT 40-FT BUS (2)		$214,000	$856,000	$0	$0	$0	$0	$0	$1,070,000
BAT	114409	REHAB/RENOVATE - MOBILE SURVEILL/SECURITY EQUIP	2016	$280,000	$70,000	$0	$0	$0	$0	$0	$350,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$320,000	$80,000	$0	$0	$0	$0	$0	$400,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2017	$30,400	$7,600	$0	$0	$0	$0	$0	$38,000
BAT	300900	Operating/PM/ADA	2017, 2018	$2,400,000	$0	$0	$0	$0	$0	$2,400,000	$4,800,000
BAT	111203	BUY REPLACEMENT 30-FT BUS (4 BSU)		$180,000	$720,000	$0	$0	$0	$0	$0	$900,000
BRTA	117A00	PREVENTIVE MAINTENANCE		$120,000	$30,000	$0	$0	$0	$0	$0	$150,000
BRTA	113407	REHAB/RENOVATE - BUS SURVEILL/SECURITY SYSTEM		$20,000	$5,000	$0	$0	$0	$0	$0	$25,000
BRTA	123410	REHAB/RENOV - PASSENGER AMENITIES		$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
BRTA	111303	BUY 30-FT BUS FOR EXPANSION		$333,000	$83,250	$0	$0	$0	$0	$0	$416,250
BRTA	114400	REHAB/RENOVATE BUS SUPPORT FACIL/EQUIP		$920,000	$230,000	$0	$0	$0	$0	$0	$1,150,000
BRTA	111203	BUY REPLACEMENT 30-FT BUS		$538,136	$134,534	$0	$0	$0	$0	$0	$672,670
BRTA	111315	BUY VAN FOR SVC EXPANSION		$458,560	$114,640	$0	$0	$0	$0	$0	$573,200
BRTA	114211	ACQUIRE - SUPPORT VEHICLES		$88,000	$22,000	$0	$0	$0	$0	$0	$110,000
CATA	117A00	PREVENTIVE MAINTENANCE	2018	$400,000	$0	$0	$0	$0	$0	$100,000	$500,000
CATA	114206	ACQUIRE - SHOP EQ/COMPUTER/SFTWR	2018	$44,000	$11,000	$0	$0	$0	$0	$0	$55,000
CATA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2018	$102,152	$25,538	$0	$0	$0	$0	$0	$127,690
CCRTA	300900	OPERATING ASSISTANCE	2017, 2018	$1,200,000	$0	$0	$0	$0	$1,200,000	$0	$2,400,000
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2018	$558,890	$0	$0	$0	$0	$139,722	$0	$698,612
CCRTA	117A00	PREVENTIVE MAINTENANCE	2018	$2,331,274	$0	$0	$0	$0	$582,818	$0	$2,914,092
CCRTA	117L00	MOBILITY MANAGEMENT	2018	$1,264,593	$0	$0	$0	$0	$316,148	$0	$1,580,741
CCRTA	113400	REHAB/RENOVATE BUS STATIONS	2018	$477,215	$119,304	$0	$0	$0	$0	$0	$596,519
CCRTA	114207	ACQUIRE - ADP HARDWARE	2018	$57,680	$14,420	$0	$0	$0	$0	$0	$72,100
CCRTA	111303	BUY 30-FT BUS FOR EXPANSION	2018	$1,750,485	$437,621	$0	$0	$0	$0	$0	$2,188,106
CCRTA	119302	CONSTRUCTION - BUS SHELTERS	2016, 2018	$49,440	$12,360	$0	$0	$0	$0	$0	$61,800
CCRTA	119306	CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES	2018	$21,798	$5,449	$0	$0	$0	$0	$0	$27,247
CCRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2018	$354,008	$88,502	$0	$0	$0	$0	$0	$442,510
GATRA	111203	BUY REPLACEMENT 30-FT BUS - 4	2018	$1,280,000	$320,000	$0	$0	$0	$0	$0	$1,600,000
GATRA	111215	BUY REPLACEMENT VAN - 6	2018	$380,000	$0	$0	$0	$0	$0	$95,000	$475,000
GATRA	119203	PURCHASE LANDSCAPING / SCENIC BEAUTIFICATION	2018	$32,000	$8,000	$0	$0	$0	$0	$0	$40,000

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2018	$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV		$1,000,000	$0	$0	$0	$0	$250,000	$0	$1,250,000
GATRA	117A00	PREVENTIVE MAINTENANCE		$2,800,000	$0	$0	$0	$0	$700,000	$0	$3,500,000
GATRA	300901	OPERATING ASSISTANCE	2018	$500,000	$0	$0	$0	$0	$500,000	$0	$1,000,000
GATRA	442400	SHORT RANGE TRANSIT PLANNING	2018	$80,000	$0	$0	$0	$0	$20,000	$0	$100,000
GATRA	111303	BUY 30-FT BUS FOR EXPANSION - 2		$620,000	$155,000	$0	$0	$0	$0	$0	$775,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS - 3	2018	$180,000	$0	$0	$0	$0	$0	$45,000	$225,000
LRTA	300901	OPERATING ASSISTANCE 2019	2017	$1,480,527	$0	$0	$0	$0	$3,457,328	$2,733,810	$7,671,665
LRTA	117A00	PREVENTIVE MAINTENANCE 2019	2018	$1,348,050	$0	$0	$0	$0	$337,013	$0	$1,685,063
LRTA	111202	BUY REPLACEMENT 35-FT DIESEL BUSES (7)		$633,000	$2,532,000	$0	$0	$0	$0	$0	$3,165,000
LRTA	442400	SHORT RANGE TRANSIT PLANNING 2019	2018	$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
LRTA	111240	BUY CAPITAL SPARE PARTS 2019	2018	$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
LRTA	114211	ACQUIRE - ADMINISTRATIVE SUPPORT VEHICLE	2018	$28,000	$7,000	$0	$0	$0	$0	$0	$35,000
MART	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$160,000	$40,000	$0	$0	$0	$0	$0	$200,000
MART	111215	BUY REPLACEMENT VAN (8)		$400,000	$100,000	$0	$0	$0	$0	$0	$500,000
MART	119202	PURCHASE BUS SHELTERS		$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
MART	300901	UP TO 50% FEDERAL SHARE		$1,625,000	$0	$0	$0	$0	$1,625,000	$0	$3,250,000
MART	111202	BUY REPLACEMENT 35-FT BUS (3)		$895,000	$384,000	$0	$0	$0	$0	$0	$1,279,000
MART	111215	BUY REPLACEMENT VAN (8)		$384,000	$96,000	$0	$0	$0	$0	$0	$480,000
MBTA	117A00	PREVENTIVE MAINTENANCE		$12,000,000	$0	$0	$0	$0	$0	$3,000,000	$15,000,000
MBTA	119400	Systems Upgrades		$58,685,516	$0	$0	$0	$0	$0	$14,671,379	$73,356,895
MVRTA		Preventative Maintenance Expense	2018	$2,348,800	$0	$0	$0	$0	$587,200	$0	$2,936,000
MVRTA		ADA Operating Expense	2018	$1,038,480	$0	$0	$0	$0	$259,620	$0	$1,298,100
MVRTA		Replace 3 Model Year 2007 with New delivery 2019	2018	$1,120,305	$280,080	$0	$0	$0	$0	$0	$1,400,385
MVRTA	442400	SHORT RANGE TRANSIT PLANNING	2018	$80,000	$0	$0	$0	$0	$0	$20,000	$100,000
MVRTA	114211	ACQUIRE - SUPPORT VEHICLES		$39,200	$9,800	$0	$0	$0	$0	$0	$49,000
MVRTA	300900	OPERATING ASSISTANCE		$454,085	$0	$0	$0	$0	$454,085	$0	$908,170
MWRTA	113303	TERMINAL, INTERMODAL (TRANSIT): Facil. Improvements		$150,000	$37,500	$0	$0	$0	$0	$0	$187,500
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		$248,415	$62,104	$0	$0	$0	$0	$0	$310,519
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$130,000	$0	$0	$0	$0	$325,000	$0	$455,000
MWRTA	440000	Mobility Management		$25,000	$6,250	$0	$0	$0	$0	$0	$31,250
PVTA	111306	BUY ARTIC BUS FOR EXPANSION (8)	2018	$782,701	$2,706,487	$0	$0	$0	$0	$0	$3,489,188
PVTA	111215	BUY REPLACEMENT VAN (20)	2018	$1,672,000	$418,000	$0	$0	$0	$0	$0	$2,090,000
PVTA	114211	ACQUIRE - SUPPORT VEHICLES, (1)	2018	$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
PVTA	111216	BUY REPL SEDAN/STATION WAGON, (10)	2018	$240,000	$60,000	$0	$0	$0	$0	$0	$300,000
PVTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT	2018	$240,000	$60,000	$0	$0	$0	$0	$0	$300,000

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
PVTA	114402	REHAB/RENOVATE - Environmental Compliance	2018	$88,000	$22,000	$0	$0	$0	$0	$0	$110,000
PVTA	119302	CONSTRUCTION - BUS SHELTERS	2018	$60,000	$15,000	$0	$0	$0	$0	$0	$75,000
PVTA	119308	CONSTRUCT SIGNAGE	2018	$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
PVTA	119306	CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES	2018	$4,800	$1,200	$0	$0	$0	$0	$0	$6,000
PVTA	116220	PURCHASE MISC COMMUNICATIONS EQUIP, IT systems	2018	$2,975,797	$743,949	$0	$0	$0	$0	$0	$3,719,746
PVTA	442400	SHORT RANGE TRANSIT PLANNING	2018	$232,000	$0	$0	$0	$0	$58,000	$0	$290,000
PVTA	117C00	NON FIXED ROUTE ADA PARA SERV	2018	$1,231,632	$0	$0	$0	$0	$307,908	$0	$1,539,540
PVTA	117A00	PREVENTIVE MAINTENANCE	2018	$2,500,000	$0	$0	$0	$0	$625,000	$0	$3,125,000
SRTA	117A00	PREVENTIVE MAINTENANCE	2016	$640,000	$160,000	$0	$0	$0	$0	$0	$800,000
SRTA	442400	SHORT RANGE TRANSIT PLANNING	2016	$96,000	$0	$0	$0	$0	$0	$24,000	$120,000
SRTA	300901	UP TO 50% FEDERAL SHARE	2018	$5,002,155	$0	$0	$0	$0	$5,002,155	$0	$10,004,310
SRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2016	$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
SRTA	111202	BUY REPLACEMENT 35-FT BUS (5)	2016, 2017, 2018	$422,855	$1,691,420	$0	$0	$0	$0	$0	$2,114,275
SRTA	300900	ADA Assistance	2016	$160,000	$0	$0	$0	$0	$40,000	$0	$200,000
SRTA	114220	ACQUIRE - Transit Enhancements	2017	$8,000	$2,000	$0	$0	$0	$0	$0	$10,000
SRTA	111215	BUY REPLACEMENT VAN	2017	$45,600	$11,400	$0	$0	$0	$0	$0	$57,000
SRTA	112120	ENG/DESIGN - ITS	2017	$638,040	$159,510	$0	$0	$0	$0	$0	$797,550
SRTA	114211	ACQUIRE - SUPPORT VEHICLES	2017	$28,000	$7,000	$0	$0	$0	$0	$0	$35,000
SRTA	114409	REHAB/RENOVATE - MOBILE SURVEILL/SECURITY EQUIP	2017	$80,000	$20,000	$0	$0	$0	$0	$0	$100,000
WRTA	117A00	PREVENTIVE MAINTENANCE	2018	$4,258,271	$0	$0	$0	$0	$1,064,568	$0	$5,322,839
WRTA	117900	PROJECT ADMINISTRATION	2018	$56,801	$0	$0	$0	$0	$14,200	$0	$71,001
WRTA	117C00	NON FIXED ROUTE ADA PARA SERV		$976,579	$0	$0	$0	$0	$244,145	$0	$1,220,724
WRTA	442400	SHORT RANGE TRANSIT PLANNING	2018	$298,936	$0	$0	$0	$0	$74,734	$0	$373,670
WRTA	114211	ACQUIRE - SUPPORT VEHICLES		$68,000	$17,000	$0	$0	$0	$0	$0	$85,000
WRTA	111240	BUY ASSOC CAP MAINT ITEMS		$276,551	$69,138	$0	$0	$0	$0	$0	$345,689
WRTA	114207	ACQUIRE - ADP HARDWARE		$675,528	$168,882	$0	$0	$0	$0	$0	$844,410
WRTA	114208	ACQUIRE - ADP SOFTWARE		$242,412	$60,603	$0	$0	$0	$0	$0	$303,015
WRTA	119202	PURCHASE BUS SHELTERS		$30,000	$7,500	$0	$0	$0	$0	$0	$37,500
WRTA	119208	PURCHASE SIGNAGE		$42,160	$10,540	$0	$0	$0	$0	$0	$52,700
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		$40,000	$10,000	$0	$0	$0	$0	$0	$50,000
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$1,772,983	$0	$0	$0	$354,597	$0	$0	$1,772,983
WRTA	111215	Miscellaneous Equipment		$89,600	$22,400	$0	$0	$0	$0	$0	$112,000
WRTA	111301	BUY 40-FT BUS FOR EXPANSION (2)		$1,280,000	$0	$0	$0	$256,000	$0	$0	$1,280,000
			Subtotal	**$132,973,610**	**$15,293,781**	**$0**	**$0**	**$610,597**	**$18,184,644**	**$23,109,189**	**$189,561,224**
5309											
MBTA	132303	Green Line Extension Project - Extension to College Avenue with the Union Square Spur	**Subtotal**	**$150,000,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$26,196,000**	**$176,196,000**
5310											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5311											
FRTA	300900	OPERATING ASSISTANCE	2018	$1,165,003	$0	$0	$0	$0	$1,059,660	$359,865	$2,584,528
NRTA	300900	Rural Operating Assistance	2018	$554,856	$0	$0	$0	$0	$0	$554,856	$1,109,712
			Subtotal	**$1,719,859**	**$0**	**$0**	**$0**	**$0**	**$1,059,660**	**$914,721**	**$3,694,240**
5337											
MBTA	112204	Bridge & Tunnel Program		$60,000,000	$0	$0	$0	$0	$0	$15,000,000	$75,000,000
MBTA	119400	Systems Upgrades		$61,190,546	$0	$0	$0	$0	$0	$15,297,637	$76,488,183
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		$2,445,435	$0	$0	$0	$0	$0	$611,359	$3,056,794
			Subtotal	**$123,635,981**	**$0**	**$0**	**$0**	**$0**	**$0**	**$30,908,996**	**$154,544,977**
5339											
CCRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2016	$576,580	$144,145	$0	$0	$0	$0	$0	$720,725
MBTA	119400	Systems Upgrades		$5,287,027	$0	$0	$0	$0	$0	$1,321,757	$6,608,784
PVTA	111301	BUY 40-FT BUS FOR EXPANSION (7)	2018	$3,026,800	$756,700	$0	$0	$0	$0	$0	$3,783,500
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		$496,157	$0	$0	$0	$99,231	$0	$0	$496,157
			Subtotal	**$9,386,564**	**$900,845**	**$0**	**$0**	**$99,231**	**$0**	**$1,321,757**	**$11,609,166**
5320											
			Subtotal	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Other Federal											
Other Non Federal											
BAT	111204	BUY REPLACEMENT <30 FT BUS DAB (7)		$0	$0	$0	$0	$0	$0	$530,000	$530,000
BAT	111215	BUY REPLACEMENT VAN COA (3)		$0	$0	$0	$0	$0	$0	$200,000	$200,000
BAT	300900	OPERATING ASSISTANCE - Rockland		$0	$0	$0	$0	$0	$50,000	$50,000	$100,000
BAT	300900	OPERATING ASSISTANCE - Avon-Stoughton		$0	$0	$0	$0	$0	$30,000	$30,000	$60,000
BAT	300900	OPERATING ASSISTANCE - Saturday Evening Service		$0	$0	$0	$0	$0	$75,000	$75,000	$150,000
BAT	300900	OPERATING ASSISTANCE - Sunday Service		$0	$0	$0	$0	$0	$175,000	$175,000	$350,000
FRTA	114220	On board AVL/CAD tablets - 25		$0	$12,500	$0	$0	$0	$0	$0	$12,500
FRTA	111204	BUY REPLACEMENT <30 FT BUS		$0	$600,000	$0	$0	$0	$0	$0	$600,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS (IT EQUIPMENT)		$0	$10,000	$0	$0	$0	$0	$0	$10,000
LRTA	111400	Replace Batteries for Hybrid Electric Bus		$0	$47,500	$0	$0	$0	$0	$0	$47,500
NRTA	111204	BUY REPLACEMENT <30 FT BUS (5)		$0	$1,400,000	$0	$0	$0	$0	$0	$1,400,000
NRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		$0	$10,000	$0	$0	$0	$0	$0	$10,000
NRTA	1000002	PREVENTIVE MAINTENANCE		$0	$7,500	$0	$0	$0	$0	$0	$7,500
NRTA	114211	ACQUIRE - SUPPORT VEHICLES		$0	$80,000	$0	$0	$0	$0	$0	$80,000
PVTA	114403	REHAB/RENOVATE - Holyoke ADMIN/MAINT FACILITY		$0	$250,000	$0	$0	$0	$0	$0	$250,000
VTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$0	$1,100,000	$0	$0	$0	$0	$0	$1,100,000
VTA	111202	BUY REPLACEMENT 35-FT BUS (2)		$0	$900,000	$0	$0	$0	$0	$0	$900,000

Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
VTA	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		$0	$150,000	$0	$0	$0	$0	$0	$150,000
VTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		$0	$75,000	$0	$0	$0	$0	$0	$75,000
			Subtotal	**$0**	**$4,642,500**	**$0**	**$0**	**$0**	**$330,000**	**$1,060,000**	**$6,032,500**
			Total	**$417,716,014**	**$20,837,126**	**$0**	**$0**	**$709,828**	**$19,574,304**	**$83,510,663**	**$541,638,107**

Appendices

Appendix 1 – Air Quality

The 1970 Clean Air Act defined a one-hour national ambient air quality standard (NAAQS) for ground-level ozone. The 1990 Clean Air Act Amendments (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 shows 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. The Eastern Massachusetts Ozone Nonattainment Area included Barnstable, Bristol, Dukes, Essex, Middlesex, Nantucket, Norfolk, Suffolk, and Worcester counties. Berkshire, Franklin, Hampden, and Hampshire counties comprised the Western Massachusetts Ozone Nonattainment Area. With these classifications, the CAAA required the Commonwealth to reduce its emissions of volatile organic compounds (VOCs) and nitrogen oxides (NOx), the two major precursors to ozone formation to achieve attainment of the ozone standard.

The CAAA also required Metropolitan Planning Organizations (MPOs) within nonattainment areas to perform conformity determinations prior to the approval of their Regional Transportation Plans (RTPs) and Transportation Improvement Programs (TIPs). Periodically, air quality analyses are conducted on all the RTPs to evaluate their air quality impacts on the State Implementation Plan (SIP). The Clean Air Act (CAA) requires states to develop a general plan to attain and maintain the National Ambient Air Quality Standard (NAAQS) in all areas of the country and a specific plan to attain the standards for each area designated nonattainment for NAAQS. These plans, known as State Implementation Plans or SIPs, are developed by state and local air quality management agencies and submitted to EPA for approval. Conformity determinations are then performed to ensure that all regionally significant projects are included in the RTPs and the TIPs, and that they meet the air quality goals established in the SIP. The Federal Highway Administration (FHWA) – in consultation with the Environmental Protection Agency (EPA New England) and the Massachusetts Department of Environmental Protection (DEP) – confirm and approve these conformity determinations (more details and background of major conformity milestones in recent years are provided in each MPO's 2016 Regional Transportation Plan).

Since most all of Massachusetts (with limited exceptions) was designated on May 21, 2012 by EPA as "unclassifiable/attainment" for the latest ozone standard, a conformity determination for the 2016-19 Massachusetts State Transportation Improvement Program is now not required. Further details and background information are as follows:

In April 1996, the communities of Boston, Cambridge, Chelsea, Everett, Malden, Medford, Quincy, Revere, and Somerville were classified as attainment for carbon monoxide (CO). Air quality conformity analysis must still be completed in these communities, as they have a carbon monoxide maintenance plan approved into the SIP. In 2002, the cities of Lowell, Waltham, Worcester and Springfield were re-designated to attainment for carbon monoxide with EPA-approved limited maintenance plans. The year 2010 carbon monoxide motor vehicle emission budget established for the Boston CO attainment area with a maintenance plan is 228.33 tons of carbon monoxide per winter day.

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, the air quality designations areas for the 2008 NAAQS were also 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 classified as unclassifiable/attainment.

Therefore, conformity for ozone in each of the Massachusetts MPOs was required until July 20, 2013 for only the 1997 ozone standard. Martha's Vineyard (Dukes County), the only Massachusetts region which has remained an ozone non-attainment area under the 2008 NAAQS, it is also classified as an "isolated rural area" and 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 their current FFY 2016-19 Transportation Improvement Program does not require an air quality conformity analysis or determination for the 2008 NAAQS. On May 14, 2015, MassDOT convened an Air Quality and Greenhouse Gas Emissions Interagency Consultation Committee. MPOs, RTAs, EPA, DEP, FHWA, and FTA were all invited to participate. At the consultation meeting varying issues were discussed regarding the transition from Mobile 6 to MOVES 2014, updated CMAQ analysis spreadsheets, the Greenhouse Gas Emissions Regulations from DEP and other coordination issues. Both Martha's Vineyard and the CO maintenance areas were addressed at this meeting. The CMAQ Consultation Committee meeting was held on June 24, 2015.

For these reasons – an "unclassifiable/attainment" designation for most of Massachusetts currently, plus the fact that the Martha's Vineyard region has only programmed "exempt" transportation projects, the Commonwealth does not need to perform a conformity analysis or determination for ozone on the current STIP.

Appendix 2 – Greenhouse Gas Tracking

Introduction

This section summarizes the greenhouse gas (GHG) impacts anticipated from the projects included in this FFY 2016 – 2019 STIP. It includes a summary of the state laws, regulations and policies that call for reducing greenhouse gas emissions 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 reduction targets. 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 the potential GHG impacts from project investments, track progress towards GHG reductions, and consider GHG impacts during project prioritization. The targets for reducing overall statewide GHG emissions are:

The Role of Metropolitan Planning Organizations

The Commonwealth's MPOs are integrally involved in supporting the GHG reductions mandated under the GWSA. The MPOs are most directly involved in helping to achieve the GHG emissions reductions through the promotion of healthy transportation modes by 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 can be realized through the planned transportation projects in the 2016 Regional Transportation Plans (RTPs) and the mix of new transportation projects that are programmed and implemented through the TIPs. The GHG tracking and evaluation process enables the MPOs to identify the anticipated GHG impacts of the planned and programmed projects, and uses GHG impacts as a criterion in prioritizing transportation projects.

Project-Level GHG Tracking and Evaluation in the Transportation Improvement Program

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 as reported in the Statewide GHG report and smaller projects that are not included in the RTP but may have impacts on GHG emissions. The principal objective of this GHG project 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

OTP provides spreadsheets that are used for determining CMAQ eligibility. These spreadsheets have been adapted to provide CO_2 impacts. The data and analysis required for completing these calculations are only available from functional design reports that come along with 25% design submissions in the project development process.

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 the statewide model or Boston regional model, which reflects their GHG impacts. Therefore, no independent TIP calculations are required.

Quantified Decrease in Emissions – For those projects that are expected to produce a measurable reduction of GHG 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 decrease 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 that bus 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 Other Improvement**

Quantified Increase in Emissions – Projects expected to produce a measurable increase in emissions.

Projects with Assumed Impacts

No Assumed Impact/Negligible Impact on GHG Emissions - Projects that do not change the capacity or use of a facility (e.g. a resurfacing project that restores a roadway to its previous condition, or a bridge rehabilitation/replacement that restores the bridge to its previous condition) are assumed to have no GHG emissions impacts.

Assumed Nominal Decrease in Emissions - Projects expected to produce a minor decrease in GHG emissions that cannot be calculated with any precision. Examples of such projects include roadway repaving or reconstruction projects that add a new sidewalk or new bike lanes. Such a project would enable increased travel by walking or bicycling, but there may be not data or analysis to support any projections of GHG impacts. These projects are categorized in the following manner:

- **Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure**
- **Assumed Nominal Decrease in Emissions from Bicycle Infrastructure**
- **Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure**
- **Assumed Nominal Decrease in Emissions from Intelligent Transportation Systems (ITS) and/or Traffic Operational Improvements**
- **Assumed Nominal Decrease in Emissions from Other Improvements**

Assumed Nominal 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 2016 – 2019 TIP

The following tables summarize the calculated quantitative and assumed qualitative impacts of the projects included in each regional FFY 2016 – 2019 TIP.

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
BERKSHIRE					
602280	DALTON- RECONSTRUCTION OF HOUSATONIC STREET, FROM ROUTE 8 & 9 TO ROUTE 8	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
603778	LANESBOROUGH- BRIDGE REPLACEMENT, L-03-024, NARRAGANSETT AVENUE OVER PONTOOSUC LAKE	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605314	NEW MARLBOROUGH- BRIDGE REPLACEMENT, HADSELL ST ROAD OVER THE UMPACHENE RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605350	WASHINGTON- BRIDGE REPLACEMENT, W-09-006, SUMMIT HILL RD OVER CSX R.R.	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606890	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	N/A	N/A	0	
607116	FLORIDA- BRIDGE REPLACEMENT, F-05-002, SOUTH COUNTY ROAD OVER THE COLD RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607511	DALTON- SYSTEMATIC BRIDGE MAINTENANCE, D-01-005, ROUTE 8 (MAIN ST.) OVER E. BRANCH HOUSATONIC RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607900	PITTSFIELD- TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS AT CENTER STREET AND WEST HOUSATONIC STREET (ROUTE 20)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
607900	PITTSFIELD- TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS AT CENTER STREET AND WEST HOUSATONIC STREET (ROUTE 20)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	34,012	
2016	**REGION: BERKSHIRE**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-34,012**	
			Total GHG Difference (kg/year)	**-34,012**	
BOSTON					
1568	FAIRMOUNT IMPROVEMENTS	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
1569	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	Quantified	RTP Project	0	
1572	RED LINE-BLUE LINE CONNECTOR DESIGN	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
29492	BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III)	Quantified	RTP Project	0	
600703	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
600867	BOSTON- BRIDGE REHABILITATION, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
601579	WAYLAND- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND ROUTE 30 (COMMONWEALTH ROAD)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	104,328	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
601630	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	N/A	N/A	0	
601630	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	N/A	N/A	0	
601630	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	Quantified	RTP Project	0	
603008	WOBURN- BRIDGE REPLACEMENT, W-43-003, SALEM STREET OVER MBTA	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	Quantified	RTP Project	0	
603917	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605189	CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION, FROM COMMONWEALTH AVENUE TO POWDER MILL ROAD, INCLUDES 2 RAILROAD BRIDGES & 1 CULVERT (PHASE II-C)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	71,669	
605721	WEYMOUTH- INTERSECTION IMPROVEMENTS @ MIDDLE STREET, LIBBEY INDUSTRIAL PARKWAY AND TARA DRIVE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	5,443	
605733	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606117	BOSTON - TRAFFIC SIGNAL IMPROVEMENTS AT 10 LOCATIONS	N/A	N/A	0	
606117	BOSTON - TRAFFIC SIGNAL IMPROVEMENTS AT 10 LOCATIONS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	11,794	
606176	FOXBOROUGH-PLAINVILLE-WRENTHAM-INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606176	FOXBOROUGH-PLAINVILLE-WRENTHAM-INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	N/A	N/A	0	
606316	BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
606553	HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET)	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
607340	WELLESLEY- RESURFACING AND RELATED WORK ON ROUTE 9	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607345	COHASSET- SUPERSTRUCTURE REPLACEMENT & SUBSTRUCTURE REHABILITATION, C-17-002, ATLANTIC AVENUE OVER LITTLE HARBOR INLET	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
607409	LEXINGTON- RECONSTRUCTION ON MASSACHUSETTS AVENUE, FROM MARRETT ROAD TO PLEASANT STREET	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607409	LEXINGTON- RECONSTRUCTION ON MASSACHUSETTS AVENUE, FROM MARRETT ROAD TO PLEASANT STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	72,576	
607488	SOUTHBOROUGH- RESURFACING & RELATED WORK ON ROUTE 9, FROM THE FRAMINGHAM T.L TO WHITE BAGLEY ROAD	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607685	BRAINTREE- BRIDGE REHABILITATION, B-21-060 AND B-21-061, ST 3 (SB) AND ST 3 (nb) OVER RAMP C (QUINCY ADAMS)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607755	WEYMOUTH- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 53 (WASHINGTON STREET) AT MUTTON LANE & PLEASANT STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
607997	SAUGUS - SAFE ROUTES TO SCHOOL (VETERANS MEMORIAL)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
607998	EVERETT - SAFE ROUTES TO SCHOOL (MADELAINE ENGLISH)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
607999	REVERE - SAFE ROUTES TO SCHOOL (GARFIELD ELEMENTARY & MIDDLE SCHOOL)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
608000	BEDFORD - SAFE ROUTES TO SCHOOL (JOHN GLENN MIDDLE)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
608059	SALEM - STORMWATER IMPROVEMENTS ALONG ROUTE 107 (SALEM BYPASS ROAD)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608134	HINGHAM - BROCKTON - STORMWATER IMPROVEMENTS ALONG ROUTE 3A/ROUTE 28	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2016	**REGION: BOSTON**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-265,810**	
			Total GHG Difference (kg/year)	**-265,810**	
CAPE COD					
606596	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	-999	N/A	0	Total programmed = $2,735,090. 25% design plans submitted.
2016	**REGION: CAPE COD**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
CENTRAL MASSACHUSETTS					
603486	BROOKFIELD - RECONSTRUCTION OF ROUTE 148 (FISKDALE ROAD) FROM MOLASSES HILL ROAD TO STURBRIDGE T.L. INCL. WEBBER ROAD	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
604468	WEST BROOKFIELD - BRIDGE REPLACEMENT, W-19-008, WICKABOAG VALLEY ROAD OVER SUCKER BROOK	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
604739	WEST BROOKFIELD - RECONSTRUCTION ON ROUTE 9, ROUTE 67 & INTERSECTIONS AT SCHOOL STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	100	
604864	WESTBOROUGH - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 9 & LYMAN STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
604864	WESTBOROUGH - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 9 & LYMAN STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	165,649	
605592	STURBRIDGE-HOLLAND - INTERSTATE MAINTENANCE & RELATED WORK ON I-84	N/A	N/A	0	
605592	STURBRIDGE-HOLLAND - INTERSTATE MAINTENANCE & RELATED WORK ON I-84	N/A	N/A	0	
606207	SPENCER - REHABILITATION ON ROUTE 9 (MAIN STREET), FROM HIGH STREET TO GROVE STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
606207	SPENCER - REHABILITATION ON ROUTE 9 (MAIN STREET), FROM HIGH STREET TO GROVE STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	16,053	
606207	SPENCER - REHABILITATION ON ROUTE 9 (MAIN STREET), FROM HIGH STREET TO GROVE STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
606303	RUTLAND - BRIDGE SUPERSTRUCTURE REPLACEMENT, R-14-004, INTERVALE ROAD OVER EAST BRANCH OF WARE RIVER	N/A	N/A	0	
606629	WORCESTER - BLACKSTONE VISITOR CENTER	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
606629	WORCESTER - BLACKSTONE VISITOR CENTER, BIKEWAY & BRIDGE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
606629	WORCESTER - BLACKSTONE VISITOR CENTER	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,000	
606686	WARREN - RESURFACING AND RELATED WORK ON ROUTE 67 @ WEST WARREN AND WARREN TOWN CENTERS	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607113	DUDLEY - BRIDGE REPLACEMENT, D-12-009, CARPENTER ROAD OVER ABANDONED RR	N/A	N/A	0	
607176	SHREWSBURY-WESTBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 9	N/A	N/A	0	
607176	SHREWSBURY-WESTBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 9	N/A	N/A	0	
607176	SHREWSBURY-WESTBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 9	N/A	N/A	0	
607479	SHREWSBURY-BOYLSTON-NORTHBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-290	N/A	N/A	0	
607479	SHREWSBURY-BOYLSTON-NORTHBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-290	N/A	N/A	0	
607484	DISTRICT 3 - INSTALLATION OF CCTV CAMERAS AND VMS ON I-290 BETWEEN I-495 AND I-90	N/A	N/A	0	
607764	SHREWSBURY - INTERSECTION SIGNAL IMPROVEMENT AT US 20 (HARTFORD TURNPIKE) AT GRAFTON STREET	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608060	GARDNER-SHREWSBURY - STORMWATER IMPROVEMENTS ALONG ROUTE 68/ROUTE 70	N/A	N/A	0	
608133	GRAFTON-MILFORD - STORMWATER IMPROVEMENTS ALONG ROUTE 122/ROUTE 140	N/A	N/A	0	
608168	DOUGLAS - REHABILITATION & RELATED WORK ON WEBSTER STREET (ROUTE 16), FROM T.L. (MM 2.8) TO MAIN STREET (MM 6.9)	N/A	N/A	0	
608169	DUDLEY - REHABILITATION & RELATED WORK ON DRESSER HILL ROAD (ROUTE 31), FROM STATE LINE (MM 0.0) TO TOWN LINE (MM 4.1)	N/A	N/A	0	
608170	STURBRIDGE - REHABILITATION & RELATED WORK ON BROOKFIELD ROAD (ROUTE 148), FROM MAIN STREET (MM 0.0) TO TOWN LINE (MM 3.4)	N/A	N/A	0	
TAP03	WORCESTER - WRTA STORMWATER MITIGATION	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2016	**REGION: CENTRAL MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-182,802**	
			Total GHG Difference (kg/year)	**-182,802**	
FRANKLIN					
	FRCOG Bicycle Parking Program	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
601657	MONTAGUE- RECONSTRUCTION ON GREENFIELD ROAD, FROM 195' SOUTH OF SHERMAN DRIVE TO HATCHERY RD (2.0 MILES)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	812	
602320	DEERFIELD- BRIDGE PRESERVATION, D-06-023, MCCLELLAN FARM ROAD OVER THE B&M RAILROAD	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607118	HEATH- SUPERSTRUCTURE REPLACEMENT, H-14-009, SADOGA ROAD OVER THE BURRINGTON BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607182	BERNARDSTON- GREENFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-91 FROM MM 48.6 TO MM 50.4 (1.8 MILES)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607246	ERVING- INTERSECTION IMPROVEMENTS AT ROUTE 2 & 2A	Quantified	No Assumed Impact/Negligible Impact on Emissions	0	
607246	ERVING- INTERSECTION IMPROVEMENTS AT ROUTE 2 & 2A	Quantified	No Assumed Impact/Negligible Impact on Emissions	0	
607539	SHELBURNE- INTERSECTION IMPROVEMENTS @ ROUTE 2 & COLRAIN/SHELBURNE ROAD	Quantified	No Assumed Impact/Negligible Impact on Emissions	0	
2016	**REGION: FRANKLIN**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-812**	
			Total GHG Difference (kg/year)	**-812**	
MARTHA'S VINEYARD					
604029	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	N/A	N/A	0	

607586	EDGARTOWN, OAK BLUFFS, and TISBURY - Drainage improvements on Edgartown-Vineyard Haven Road. Safety improvements in various locations.	N/A	N/A	0	
607586	EDGARTOWN, OAK BLUFFS, and TISBURY - Drainage improvements on Edgartown-Vineyard Haven Road. Safety improvements in various locations.	N/A	N/A	0	
607586	EDGARTOWN, OAK BLUFFS, and TISBURY - Drainage improvements on Edgartown-Vineyard Haven Road. Safety improvements in various locations.	N/A	N/A	0	
2016	**REGION: MARTHA'S VINEYARD**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
MERRIMACK VALLEY					
605114	GROVELAND - REHABILITATION OF ROUTE 97 (SCHOOL STREET & SALEM STREET)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606161	HAVERHILL - IMPROVEMENTS ON MAIN STREET (ROUTE 125)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	6,421	6,421 = Emission Reduction in CO2 kg per year
606161	HAVERHILL - IMPROVEMENTS ON MAIN STREET (ROUTE 125)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantity of Emissions Reduction shown above in CMAQ funding section.
606574	ANDOVER-LAWRENCE - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606669	AMESBURY - POWWOW RIVERWALK CONSTRUCTION	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
606669	AMESBURY - POWWOW RIVERWALK CONSTRUCTION	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
607476	METHUEN- RESURFACING & RELATED WORK ON ROUTE 213	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607476	METHUEN - RESURFACING AND RELATED WORK ON ROUTE 213	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608002	LAWRENCE - SAFE ROUTES TO SCHOOL (BRUCE ELEMENTARY)	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
2016	**REGION: MERRIMACK VALLEY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-6,421**	
			Total GHG Difference (kg/year)	**-6,421**	
MONTACHUSETT					
604699	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	130,027	See Appendix
604699	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	Quantified	N/A	0	See HSIP for Numbers

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
604699	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	Quantified	N/A	0	See HSIP for Numbers
604960	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	Quantified	N/A	0	See TAP for Numbers.
604960	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	12,730	AC Year 2 of 2. See Appendix.
607242	FITCHBURG - SOUTH STREET ELEMENTARY - SAFE ROUTES TO SCHOOL Recommended improvements: Installation of sidewalks, wheelchair ramps, crosswalk striping and warning signs.	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	Not Enough Info at time of TIP for Analysis.
607960	ASHBURNHAM- ROUTE 101 AT WILLIAMS AND COREY HILL ROAD, INTERSECTION IMPROVEMENTS	0	0	0	
2016	**REGION: MONTACHUSETT**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-142,757**	
			Total GHG Difference (kg/year)	**-142,757**	
NANTUCKET					
606433	NANTUCKET- MULTI-USE PATH CONSTRUCTION, FROM WASHINGTON STREET TO ORANGE STREET	Quantified	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	GHG kg/year Analysis completed in FFY 2015 (AC Yr 1 of 2).
606433	NANTUCKET- MULTI-USE PATH CONSTRUCTION, FROM WASHINGTON STREET TO ORANGE STREET	Quantified	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	GHG kg/year Analysis completed in FFY 2015 (AC Yr 1 of 2).
2016	**REGION: NANTUCKET**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
NORTHERN MIDDLESEX					
601426	BILLERICA - RECONSTRUCTION OF ALLEN RD, FROM RTE 3A TO WEBB BROOK RD (5,400 FEET)	N/A	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,056	CMAQ portion funded in FFY 2015. This is AC Year 2 of 2.
602932	LOWELL- BRIDGE REPLACEMENT, L-15-058, VFW HIGHWAY OVER BEAVER BROOK (BR-ON)	N/A	N/A	0	
607251	WESTFORD-INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 110 & TADMUCK RD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	16,063	
607251	WESTFORD-INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 110 & TADMUCK RD	N/A	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	See CMAQ total.

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2016	**REGION: NORTHERN MIDDLESEX**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-17,119**	
			Total GHG Difference (kg/year)	**-17,119**	
OLD COLONY					
604957	PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53	0	0	0	
606036	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	73,162	
607175	PLYMOUTH - RESURFACING AND RELATED WORK ON ROUTE 3	0	0	0	
607175	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	N/A	N/A	0	
608085	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
2016	**REGION: OLD COLONY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-73,162**	
			Total GHG Difference (kg/year)	**-73,162**	
PIONEER VALLEY					
	SPRINGFIELD - UNION STATION REDEVELOPMENT	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	15,503	
603477	SOUTHWICK- INTERSECTION IMPROVEMENTS AT FOUR LOCATIONS ON ROUTE 57 (FEEDING HILLS ROAD)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,006	
604446	WESTFIELD- RECONSTRUCTION OF ROUTE 187 (LITTLE RIVER ROAD) AND SHAKER ROAD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	790	
604446	WESTFIELD- RECONSTRUCTION OF ROUTE 187 (LITTLE RIVER ROAD) AND SHAKER ROAD	N/A	N/A	0	
604968	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION, NORTH SECTION - FROM COWLES COURT ACCESS RAMPS TO THE WESTFIELD RIVER BRIDGE INCLUDES REHAB OF W-25-036 (WESTFIELD RIVER CROSSING)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	2,268	
604968	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION, NORTH SECTION - FROM COWLES COURT ACCESS RAMPS TO THE WESTFIELD RIVER BRIDGE INCLUDES REHAB OF W-25-036 (WESTFIELD RIVER CROSSING)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	2,268	
605385	SPRINGFIELD- SIGNAL & INTERSECTION IMPROVEMENTS @ ROOSEVELT AVENUE & ISLAND POND ROAD, ROOSEVELT AVENUE & ALDEN STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	127,991	
605385	SPRINGFIELD- SIGNAL & INTERSECTION IMPROVEMENTS @ ROOSEVELT AVENUE & ISLAND POND ROAD, ROOSEVELT AVENUE & ALDEN STREET	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
605618	LUDLOW - WILBRAHAM - BRIDGE REHABILITATION, L-16-002=W-35-002, EAST STREET OVER THE CHICOPEE RIVER	N/A	N/A	0	
606445	LONGMEADOW- RESURFACING & RELATED WORK ON CONVERSE STREET, FROM LAUREL STREET TO DWIGHT STREET (2.04 MILES)	N/A	N/A	0	
606577	HATFIELD- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91	N/A	N/A	0	
607453	SOUTHAMPTON - SOUTHAMPTON SAFE ROUTES TO SCHOOL - NORRIS ELEMENTARY SCHOOL (75%)	N/A	N/A	0	
607524	BELCHERTOWN- WARREN BRIDGE DEMOLITION, B-05-023, W-07-012,(EAST MAIN STREET/NAULTAUG BROOK)	N/A	N/A	0	
607731	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	N/A	N/A	0	
607735	SOUTH HADLEY- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 202 (GRANBY ROAD) & ROUTE 33 (LYMAN STREET)	N/A	N/A	0	
607869	WILBRAHAM- RECONSTRUCTION OF BOSTON ROAD (ROUTE 20) FROM DUDLEY STREET TO 400FT. EAST OF DUMAINE STREET (0.28MILES)	N/A	N/A	0	
608022	BRIMFIELD- STURBRIDGE- RESURFACING & RELATED WORK ON ROUTE 20, BEGINNING EAST OF NEW HOLLAND ROAD (MM 87.8), ENDING WEST OF GALILEO DRIVE (MM 91.9)	N/A	N/A	0	
608136	SOUTH HADLEY - STORMWATER IMPROVEMENTS ALONG ROUTE 116	N/A	N/A	0	
2016	**REGION: PIONEER VALLEY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-149,826**	
			Total GHG Difference (kg/year)	**-149,826**	
SOUTHEASTERN MASSACHUSETTS					
605223	FALL RIVER- INTERCHANGE IMPROVEMENTS AT ROUTE I-195/ROUTE 79/ROUTE 138	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605367	TAUNTON- INTERSECTION IMPROVEMENTS AT THE HON. GORDON M. OWEN RIVERWAY & WILLIAMS STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	30,983	
605677	MATTAPOISETT - MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY) FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
605677	MATTAPOISETT - MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY) FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
605677	MATTAPOISETT - MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY) FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	2,644	
605679	TAUNTON- INTERSECTION IMPROVEMENTS AT COUNTY STREET (ROUTE 140) AND HART STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
605679	TAUNTON- INTERSECTION IMPROVEMENTS AT COUNTY STREET (ROUTE 140) AND HART STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	151,809	
606118	NEW BEDFORD - RECONSTRUCTION OF ROUTE 18 (JFK HIGHWAY), FROM COVE STREET TO GRIFFIN COURT (PHASE II)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606525	ATTLEBORO- SUPERSTRUCTURE REPLACEMENT, A-16-053, I-95 (NB & SB) OVER NORTH AVENUE	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606910	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON COGGESHALL STREET, FROM PURCHASE STREET TO MITCHELL AVENUE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
606910	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON COGGESHALL STREET, FROM PURCHASE STREET TO MITCHELL AVENUE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	153,826	
606910	NEW BEDFORD - CORRIDOR IMPROVEMENTS AND RELATED WORK ON COGGESHALL STREET, FROM PURCHASE STREET TO MITCHELL AVENUE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
607537	FALL RIVER- BRIDGE WORK, AIRPORT ROAD OVER ROUTE 24	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608135	NEW BEDFORD - STORMWATER IMPROVEMENTS ALONG ROUTE 6/ROUTE 18	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608147	NORTH ATTLEBOROUGH- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2016	**REGION: SOUTHEASTERN MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-339,262**	
			Total GHG Difference (kg/year)	**-339,262**	
STATEWIDE					
606620	RAYNHAM TO BOLTON- GUIDE & TRAFFIC SIGN REPLACEMENT ON I-495	N/A	N/A	0	
606995	CHELMSFORD -CONCORD - LOWELL - PEABODY - STORMWATER IMPROVEMENTS ALONG ROUTE 2/ROUTE 2A, ROUTE 128, AND ROUTE 3/ROUTE 3A	N/A	N/A	0	
607035	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	N/A	N/A	0	
607424	STATEWIDE- ITS ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS) SOFTWARE	N/A	N/A	0	
607495	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE I)	N/A	N/A	0	
607513	DISTRICT 5- BRIDGE CLEANING ON THE I-95, I-195 AND I-295 CORRIDORS	N/A	N/A	0	
607516	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2016)	N/A	N/A	0	
608031	STATEWIDE ITS DESIGN CONSULTANT SERVICES	N/A	N/A	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	0	0	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	0	0	0	
ADAPT	ADAPTIVE SIGNAL CONTROLS AT 11 INTERSECTIONS	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
ALTFUL	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	N/A	N/A	0	
BRI	BRIDGE INSPECTION	N/A	N/A	0	
EWO	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	N/A	N/A	0	
MSC	DBES, MISC PROGRAMS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	N/A	N/A	0	
SPL	PLANNING	N/A	N/A	0	
SRTS	SRTS - Education	N/A	N/A	0	
SRTS	SRTS - Planning & Design and selected schools	N/A	N/A	0	
2016	**REGION: STATEWIDE**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
2016			**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-1,211,983**	
			Total GHG Difference (kg/year)	**-1,211,983**	
BERKSHIRE					
602280	DALTON- RECONSTRUCTION OF HOUSATONIC STREET, FROM ROUTE 8 & 9 TO ROUTE 8	Quantified	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
605799	WILLIAMSTOWN- RECONSTRUCTION & RELATED WORK ON ROUTE 43 (WATER STREET)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Quantified	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Quantified	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Quantified	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606891	PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENTION	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
606891	PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENTION	N/A	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
607254	NORTH ADAMS/ WILLIAMSTOWN - MOHAWK BIKE TRAIL PROJECT	N/A	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
607429	NORTH ADAMS- INTERSECTION IMPROVEMENTS AT ROUTE 2 & PHELPS AVENUE	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607512	NORTH ADAMS- SYSTEMATIC BRIDGE MAINTENANCE, N-14-019, ROUTE 8A (HODGES CROSS RD.) OVER S. BRANCH HOOSIC RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607550	LEE- BRIDGE REPLACEMENT, CHAPEL ST OVER THE GREENWATER BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607551	LEE- BRIDGE REPLACEMENT, VALLEY ST OVER THE HOUSATONIC RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607570	LEE - BIKEWAY (PHASE 1)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
608125	SHEFFIELD- BRIDGE REPLACEMENT, S-10-002, ROUTE 7A (ASHLEY FALLS RD) OVER THE HOUSATONIC RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2017	**REGION: BERKSHIRE**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
BOSTON					
1568	FAIRMOUNT IMPROVEMENTS	N/A	N/A	0	
1569	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	N/A	N/A	0	
1569	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	N/A	N/A	0	
1572	RED LINE-BLUE LINE CONNECTOR DESIGN	N/A	N/A	0	
29492	BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III)	N/A	N/A	0	
600867	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	N/A	N/A	0	
601630	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	N/A	N/A	0	
601630	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	N/A	N/A	0	
602165	STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	139,709	
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	N/A	N/A	0	
603917	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
604173	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
604810	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	N/A	N/A	0	
604810	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	294,840	
604810	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	N/A	N/A	0	
604935	WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT)	Quantified	RTP Project	41,731	
604935	WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT)	N/A	N/A	0	
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
604989	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET	N/A	N/A	0	
604989	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	91,627	
604989	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET	N/A	N/A	0	
605110	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	N/A	N/A	0	
605110	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	N/A	N/A	0	
605110	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	19,958	
605733	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	N/A	N/A	0	
606553	HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET)	N/A	N/A	0	
607309	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	150,595	
607309	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	N/A	N/A	0	
607477	LYNNFIELD- PEABODY- RESURFACING & RELATED WORK ON ROUTE 1	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607481	RANDOLPH- QUINCY- BRAINTREE- RESURFACING & RELATED WORK ON I-93	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607507	WAKEFIELD - BRIDGE DECK REPLACEMENT BRIDGE NO. W-01-021 (2MF), HOPKINS STREET OVER I-95 / ST 128	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
607754	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT GRANITE AVENUE & SQUANTUM STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.

607954	DANVERS - BRIDGE REPLACEMENT, D-03-018, ROUTE 128 OVER WATERS RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608003	WEYMOUTH - SAFE ROUTES TO SCHOOL (PINGREE ELEMENTARY)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
608004	WATERTOWN - SAFE ROUTES TO SCHOOL (HOSMER ELEMENTARY)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
2017	**REGION: BOSTON**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-738,460**	
			Total GHG Difference (kg/year)	**-738,460**	
CAPE COD					
607435	BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUTH ROAD (ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD	-999	N/A	0	Total programmed with 4% Inflation applied = $2,240,000. RSA conducted. 25% design plans submitted.
607444	FALMOUTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT NORTH FALMOUTH HIGHWAY (ROUTE 28A),NATHAN ELLIS HIGHWAY (ROUTE 151) AND COUNTY ROAD	-999	N/A	0	Total programmed with 4% inflation applied = $2,240,000. 25% design under development. Possible HSIP - RSA to be conducted.
2017	**REGION: CAPE COD**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
CENTRAL MASSACHUSETTS					
602740	SHREWSBURY - RESURFACING AND RELATED WORK ON MAIN STREET, FROM I-290 RAMPS EASTERLY TO MAPLE AVENUE	Qualitative	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	12,500	
603251	WORCESTER - SIGNAL & INTERSECTION IMPROVEMENTS @ HOLDEN STREET, DRUMMOND AVENUE & SHORE DRIVE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	82,536	
603251	WORCESTER - SIGNAL & INTERSECTION IMPROVEMENTS @ HOLDEN STREET, DRUMMOND AVENUE & SHORE DRIVE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
604893	WORCESTER - STREETSCAPE IMPROVEMENTS AT MAIN STREET & MAYWOOD STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	9,600	
604893	WORCESTER - STREETSCAPE IMPROVEMENTS AT MAIN STREET & MAYWOOD STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
605674	STURBRIDGE - GRAND TRUNK TRAIL	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	700	
605740	WORCESTER - INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET AND GRANITE STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	69,250	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
605740	WORCESTER - INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET AND GRANITE STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
605740	WORCESTER - INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET AND GRANITE STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
605820	WORCESTER - BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
605820	WORCESTER - BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	401,949	
606075	OXFORD - STRUCTURAL STEEL CLEANING AND PAINTING AND OTHER RELATED WORK; BRIDGE NO. O-06-036 I-395 OVER DANA ROAD AND BRIDGE NO. O-06-037 I-395 SB OVER FEDERAL HILL ROAD	N/A	N/A	0	
606206	OXFORD - RECONSTRUCTION ON CHARLTON STREET, BETWEEN MAIN STREET AND DUDLEY ROAD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	535	
606346	LEICESTER - RESURFACING & RELATED WORK ON ROUTE 56 (PAXTON STREET), FROM MAIN STREET TO HYLAND STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	270	
606434	WORCESTER - CENTRAL BUSINESS DISTRICT STREETSCAPE IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	4,400	
606888	WORCESTER - BLACKSTONE CANAL STREETSCAPE IMPROVEMENTS ON HARDING STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,800	
607562	WEBSTER-OXFORD - INTERSTATE MAINTENANCE & RELATED WORK ON I-395	N/A	N/A	0	
2017	**REGION: CENTRAL MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-583,540**	
			Total GHG Difference (kg/year)	**-583,540**	
FRANKLIN					
606507	CHARLEMONT - ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM 2 MM 29.5 TO MM 31.0	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	kg/year reduction shown under CMAQ above
606507	CHARLEMONT - ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM 2 MM 29.5 TO MM 31.0	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	189	
607253	ERVING- STREETSCAPE & PEDESTRIAN IMPROVEMENTS ON ROUTE 63, FROM RIVER STREET TO 1,200 FT. NORTH OF LILLIAN WAY (1 MILE)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	298	
607478	DEERFIELD- GREENFIELD- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91 (6.2 MILES)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607478	DEERFIELD- GREENFIELD- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91 (6.2 MILES)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607527	ORANGE- BRIDGE REPLACEMENT, O-03-009, HOLTSHIRE ROAD OVER MILLERS 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
607548	SHELBURNE- BRIDGE REPLACEMENT, S-11-006, BARDWELL FERRY ROAD OVER DRAGON BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607584	COLRAIN- BRIDGE REPLACEMENT, C-18-020, HEATH ROAD OVER WEST BRANCH NORTH RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607671	HEATH- BRIDGE REPLACEMENT, H-14-001, SR 8A (JACKSONVILLE STREET) OVER MILL BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2017	**REGION: FRANKLIN**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-487**	
			Total GHG Difference (kg/year)	**-487**	
MARTHA'S VINEYARD					
604029	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	N/A	N/A	0	
607411	TISBURY - Bike and Ped improvements along Beach Road from the termination of the existing shared use path westerly to the Five Corners intersection	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,015	New bicycle and pedestrian SUP
2017	**REGION: MARTHA'S VINEYARD**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-1,015**	
			Total GHG Difference (kg/year)	**-1,015**	
MERRIMACK VALLEY					
606159	NORTH ANDOVER - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 125 & MASSACHUSETTS AVENUE	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606159	NORTH ANDOVER - INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 125 & MASSACHUSETTS AVENUE	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607561	ANDOVER - METUEN - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607561	ANDOVER- METHUEN- INTERSTATE MAINTENANCE & RELATED WORK ON I-93	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607573	HAVERHILL - RECONSTRUCTION ON ROUTE 97 (BROADWAY), FROM SILVER BIRCH LANE TO RESEARCH DRIVE	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
607573	HAVERHILL - RECONSTRUCTION ON ROUTE 97 (BROADWAY), FROM SILVER BIRCH LANE TO RESEARCH DRIVE	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
2017	**REGION: MERRIMACK VALLEY**		**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
MONTACHUSETT					
605094	FITCHBURG - BRIDGE BETTERMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	Quantified	N/A	0	See CMAQ for Numbers.
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	8,827	See Appendix.
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	Quantified	N/A	0	See CMAQ for Numbers.
606575	STERLING - LEOMINSTER - LANCASTER - INTERSTATE MAINTENANCE & RELATED WORK ON I-190	N/A	N/A	0	See Statewide Interstate Maintenance
606575	STERLING - LEOMINSTER - LANCASTER - INTERSTATE MAINTENANCE & RELATED WORK ON I-190	N/A	N/A	0	See Statewide Retrofits
607347	GARDNER- BIKE PATH CONSTRUCTION, NORTH CENTRAL PATHWAY (PHASE VI)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	Not Enough Info at time of TIP for Analysis.
607475	WINCHENDON - RESURFACING & RELATED WORK ON ROUTE 12, FROM MILL STREET/BEGINNING OF STATE HIGHWAY TO NEW HAMPSHIRE STATE LINE (2.5 MILES)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis.
607529	WINCHENDON - BRIDGE REPAIR, N. ROYALSTON ROAD OVER WEST BRANCH OF MILLERS RIVER, W-39-015,	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607960	ASHBURNHAM- ROUTE 101 AT WILLIAMS AND COREY HILL ROAD, INTERSECTION IMPROVEMENTS	0	0	0	
608188	GARDNER- LEOMINSTER- STERLING - SAFETY IMPROVEMENTS AT 3 LOCATIONS	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis. Project Safety related.
608250	ROYALSTON - BRIDGE REPLACEMENT, R-12-001, STOCKWELL ROAD OVER LAWRENCE BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2017	**REGION: MONTACHUSETT**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-8,827**	
			Total GHG Difference (kg/year)	**-8,827**	
NORTHERN MIDDLESEX					
29492	BEDFORD-BILLERICA-BURLINGTON-MIDDLESEX TURNPIKE IMPROVEMENTS FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
604694	LOWELL-CONNECTOR RECONSTRUCTION FROM THORNDIKE ST TO GORHAM ST	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606189	LOWELL-IMPROVEMENTS ON ROUTE 38 AT FOUR INTERSECTIONS	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
606189	LOWELL-IMPROVEMENTS ON ROUTE 38 AT FOUR INTERSECTIONS	Quantified	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607401	CHELMSFORD-TRAFFIC SIGNAL INSTALLATION AT ROUTE 110 & ROUTE 495 (2 LOCATIONS)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
608036	WESTFORD-TRAFFIC SIGNAL INSTALLATIONS AND INTERSECTION IMPROVEMENTS AT RTE 40 AND OAK HILL RD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	See HSIP category for numbers.
608036	WESTFORD-TRAFFIC SIGNAL INSTALLATIONS AND INTERSECTION IMPROVEMENTS AT RTE 40 AND OAK HILL RD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	7,428	
2017	**REGION: NORTHERN MIDDLESEX**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-7,428**	
			Total GHG Difference (kg/year)	**-7,428**	
OLD COLONY					
605038	PLYMOUTH- RECONSTRUCTION OF TAYLOR AVENUE, FROM WHITE HORSE ROAD TO MANOMET POINT ROAD, INCLUDES P-13-010	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
607337	PEMBROKE - ROUTE 53 AT PLEASANT STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	170,714	
607438	EASTON - ROUTE 138 @ UNION STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	326,293	
607860	WHITMAN - TRAFFIC SIGNAL IMPROVEMENTS & RELATED WORK ON BEDFORD STREET (ROUTE 18) AT 2 LOCATIONS: AUBURN STREET (ROUTE 14) & TEMPLE STREET (ROUTE 27)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
2017	**REGION: OLD COLONY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-497,007**	
			Total GHG Difference (kg/year)	**-497,007**	
PIONEER VALLEY					
602911	CHICOPEE- CONNECTICUT RIVERWALK & BIKEWAY CONSTRUCTION, FROM BOAT RAMP NEAR I-90 TO NASH FIELD (2.5 MILES)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	65,367	
603449	WESTFIELD- ROUTE 20 ACCESS IMPROVEMENTS ON COURT STREET & WESTERN AVENUE, FROM LLEWELLYN DRIVE EASTERLY TO LLOYDS HILL ROAD (PHASE I)	N/A	N/A	0	
603783	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION (CENTER DOWNTOWN SECTION), FROM EAST SILVER STREET TO COWLES COURT, INCLUDES W-25,014, W-25-015, W-25-016, W-25-017, W-25-018 & W-25-019	N/A	N/A	0	
604033	SOUTHWICK- RECONSTRUCTION CONGAMOND ROAD (ROUTE 168) - FROM COLLEGE HIGHWAY & ENDS 250 FEET SHORT OF STATE LINE (1.2 MILES)	N/A	N/A	0	
604203	AGAWAM- INTERSECTION IMPROVEMENTS AT ROUTE 187 & ROUTE 57	N/A	N/A	0	
604203	AGAWAM- INTERSECTION IMPROVEMENTS AT ROUTE 187 & ROUTE 57	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
605011	LUDLOW- RECONSTRUCTION OF CENTER STREET (ROUTE 21) - FROM 35' WEST OF BEACHSIDE DRIVE WESTERLY TO GAS LINE BESIDE MTA OVERPASS (3,500 FEET)	N/A	N/A	0	
605011	LUDLOW- RECONSTRUCTION OF CENTER STREET (ROUTE 21) - FROM 35' WEST OF BEACHSIDE DRIVE WESTERLY TO GAS LINE BESIDE MTA OVERPASS (3,500 FEET)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	145,846	
605384	AGAWAM- WEST SPRINGFIELD- BRIDGE RECONSTRUCTION, A-05-002=W-21-014, ROUTE 147 OVER THE WESTFIELD RIVER & INTERSECTION & SIGNAL IMPROVEMENTS @ 3 LOCATIONS	N/A	N/A	0	
606450	HOLYOKE- TRAFFIC SIGNAL UPGRADES AT 15 INTERSECTIONS ALONG HIGH & MAPLE STREETS	N/A	N/A	0	
606555	NORTHAMPTON- ROUNDABOUT CONSTRUCTION AT INTERSECTION ROUTES 5/10 (NORTH KING STREET) & HATFIELD STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	53,047	
606903	HOLYOKE - IMPROVEMENTS TO LOWER WESTFIELD ROAD ON I-91 (INTERCHANGE 15)	N/A	N/A	0	
607528	AMHERST- BRIDGE REPLACEMENT, A-08-008, MILL STREET OVER MILL RIVER	N/A	N/A	0	
607549	CHESTERFIELD - IRELAND STREET OVER WEST BRANCH OF WESTFIELD RIVER	N/A	N/A	0	
607731	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	N/A	N/A	0	
607736	CHICOPEE- SIGNAL & INTERSECTION IMPROVEMENTS AT 11 INTERSECTIONS ALONG ROUTE 33 (MEMORIAL DRIVE), FROM FULLER ROAD TO BRITTON STREET	N/A	N/A	0	
608192	AGAWAM-CHICOPEE-HOLYOKE-SPRINGFIELD-WEST SPRINGFIELD - STORMWATER IMPROVEMENTS ALONG I-91, I-291, I-391, AND ROUTE 5	N/A	N/A	0	
608236	NORTHAMPTON- RECONSTRUCTION OF DAMON ROAD, FROM ROUTE 9 TO ROUTE 5, INCLUDES DRAINAGE SYSTEM REPAIRS & SLOPE STABILIZATION AT THE NORWOTTUCK RAIL TRAIL	N/A	N/A	0	
608236	NORTHAMPTON- RECONSTRUCTION OF DAMON ROAD, FROM ROUTE 9 TO ROUTE 5, INCLUDES DRAINAGE SYSTEM REPAIRS & SLOPE STABILIZATION AT THE NORWOTTUCK RAIL TRAIL	N/A	N/A	0	
2017	**REGION: PIONEER VALLEY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-264,260**	
			Total GHG Difference (kg/year)	**-264,260**	
SOUTHEASTERN MASSACHUSETTS					
117106	WAREHAM - RECONSTRUCTION OF ROUTE 6 & 28, FROM 500 FT. EAST OF TYLER AVENUE TO EAST OF RED BROOK ROAD	Quantified	Assumed Nominal Increase in Emissions	0	
117106	WAREHAM - RECONSTRUCTION OF ROUTE 6 & 28, FROM 500 FT. EAST OF TYLER AVENUE TO EAST OF RED BROOK ROAD	Quantified	Assumed Nominal Increase in Emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
602564	CARVER- MIDDLEBOROUGH- BRIDGE REPLACEMENT, C-04-004=M-18-025, ROCHESTER ROAD OVER WEWEANTIC RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605328	RAYNHAM- BRIDGE REPLACEMENT, R-02-013 (3PA), US 44 (CAPE HIGHWAY) OVER SR 24	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605372	NORTH ATTLEBOROUGH - TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS @ EAST WASHINGTON STREET (ROUTE 1) & CHESTNUT STREET	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606525	ATTLEBORO- SUPERSTRUCTURE REPLACEMENT, A-16-053, I-95 (NB & SB) OVER NORTH AVENUE	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607392	SEEKONK - INTERSECTION IMPROVEMENTS & RELATED WORK AT FALL RIVER AVENUE (ROUTE 114A) AND COUNTY STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,161	
607563	WAREHAM - ROCHESTER - MIDDLEBORO - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607563	WAREHAM - ROCHESTER - MIDDLEBORO - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	N/A	N/A	0	
608001	FALL RIVER - SAFE ROUTES TO SCHOOL (VIVEIROS ELEMENTARY)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
608176	BERKLEY-RAYNHAM-TAUNTON- RESURFACING & RELATED WORK ON ROUTE 24	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2017	**REGION: SOUTHEASTERN MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-1,161**	
			Total GHG Difference (kg/year)	**-1,161**	
STATEWIDE					
607038	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	N/A	N/A	0	
607042	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	N/A	N/A	0	
607424	STATEWIDE- ITS ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS) SOFTWARE	N/A	N/A	0	
607482	DISTRICT 5&6- ITS CONSTRUCTION ON ROUTE 3, FROM BRAINTREE TO PLYMOUTH (42 MILES)	N/A	N/A	0	
607485	STATEWIDE- RTTM EXPANSION/ENHANCEMENT DISTRICTS 1-6	N/A	N/A	0	
607514	DISTRICT 5- BRIDGE MAINTENANCE AT VARIOUS LOCATIONS ALONG THE ROUTE 24 & ROUTE 3 CORRIDORS	N/A	N/A	0	
607517	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2017)	N/A	N/A	0	
607916	FALL RIVER TO RANDOLPH- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 24	N/A	N/A	0	
607988	KINGSTON DUXBURY MARSHFIELD - RESURFACING AND RELATED WORK ON ROUTE 3	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607992	ANDOVER - BEDFORD - BILLERICA - TEWKSBURY - STORMWATER IMPROVEMENTS ALONG I-93, ROUTE 3 AND ROUTE 3A	N/A	N/A	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	N/A	N/A	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	0	0	0	
ALTFUL	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	N/A	N/A	0	
BRI	BRIDGE INSPECTION	N/A	N/A	0	
EVCHG	STATEWIDE - ELECTRIC VEHICLE PLUG IN CHARGING STATIONS	N/A	N/A	0	
EWO	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	N/A	N/A	0	
MSC	DBES, MISC PROGRAMS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	N/A	N/A	0	
SHSP	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES	N/A	N/A	0	
SPL	PLANNING	N/A	N/A	0	
SRT	RECREATIONAL TRAILS	N/A	N/A	0	
SRTS	SRTS - Planning & Design and selected schools	N/A	N/A	0	
SRTS	SRTS Projects	N/A	N/A	0	
2017	**REGION: STATEWIDE**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
2017			**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-2,102,185**	
			Total GHG Difference (kg/year)	**-2,102,185**	
BERKSHIRE					
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Quantified	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Quantified	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Quantified	Assumed Nominal Decrease in Emissions from Other Improvements	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607760	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT 3 LOCATIONS: SR 8 & SR 9 (DALTON AVENUE) @ MERRILL CHESHIRE ROAD, DALTON AVENUE @ CRANE AVENUE CONNECTOR & SR 9 (MERRILL ROAD) @ CRANE AVENUE CONNECTOR	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
2018	**REGION: BERKSHIRE**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
BOSTON					
1568	FAIRMOUNT IMPROVEMENTS	N/A	N/A	0	
1569	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	N/A	N/A	0	
1569	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	N/A	N/A	0	
600518	HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET	N/A	N/A	0	
600518	HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET	Quantified	Quantified Increase in Emissions (See Emissions Analysis Appendix)	54,432	
601630	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	N/A	N/A	0	
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	N/A	N/A	0	
604173	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	N/A	N/A	0	
604655	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	N/A	N/A	0	
605608	DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109	N/A	N/A	0	
605608	DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605733	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	N/A	N/A	0	
605789	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	N/A	N/A	0	
605789	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
606134	BOSTON- TRAFFIC SIGNAL IMPROVEMENTS ON BLUE HILL AVENUE AND WARREN STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
606223	ACTON- CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION (PHASE II-B)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
606381	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
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	
606635	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	N/A	N/A	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	RTP Project	283,046	
606635	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	N/A	N/A	0	
606635	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	N/A	N/A	0	
607133	QUINCY- BRIDGE REPLACEMENT, ROBERTSON STREET OVER I-93/US 1/SR 3	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607329	WAKEFIELD- LYNNFIELD- RAIL TRAIL EXTENSION, FROM THE GALVIN MIDDLE SCHOOL TO LYNNFIELD/PEABODY T.L.	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
607533	WALTHAM- WOERD AVENUE OVER THE CHARLES RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607732	FRAMINGHAM- NATICK- COCHITUATE RAIL TRAIL CONSTRUCTION INCLUDING PEDESTRIAN BRIDGE, N-03-014, OVER ROUTE 9 & BRIDGE OVER ROUTE 30	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	114,307	
607748	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS ON SR 2 & SR 111 (MASSACHUSETTS AVENUE) AT PIPER ROAD & TAYLOR ROAD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
607761	SWAMPSCOTT- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 1A (PARADISE ROAD) AT SWAMPSCOTT MALL	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
607915	NEWTON- WELLESLEY- WESTON- BRIDGE MAINTENANCE OF N-12-063, N-12-054, N-12-055 & N-12-056 ON I-95/ROUTE 128	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608008	SAUGUS-RESURFACING AND RELATED WORK ON ROUTE 1	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608069	MARSHFIELD PEMBROKE NORWELL HANOVER ROCKLAND HINGHAM RESURFACING ON RT 3	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
608219	READING-WAKEFIELD- INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-95	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608220	CONCORD - RESURFACING AND RELATED WORK ON ROUTE 2	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2018	**REGION: BOSTON**		**Total GHG Increase (kg/year)**	**54,432**	
			Total GHG Reduction (kg/year)	**-397,353**	
			Total GHG Difference (kg/year)	**-342,921**	
CAPE COD					
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	-999	N/A	0	Total programmed with 8% inflation applied = $6,400,598 = $5,401,284 CMAQ + $540,800 statewide CMAQ + $458,514 HSIP. 25% design submitted. RSA performed; CMAQ Analysis to be performed.
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	-999	N/A	0	Total programmed with 8% inflation applied = $6,400,598 = $5,401,284 CMAQ + $540,800 statewide CMAQ + $458,514 HSIP. 25% design submitted. RSA performed; CMAQ Analysis to be performed.
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	-999	N/A	0	Total programmed with 8% inflation applied = $6,400,598 = $5,401,284 CMAQ + $540,800 statewide CMAQ + $458,514 HSIP. 25% design submitted. RSA performed; CMAQ Analysis to be performed.
2018	**REGION: CAPE COD**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
CENTRAL MASSACHUSETTS					
601368	WORCESTER - RESURFACING & RELATED WORK ON ROUTE 122 (GRAFTON STREET), FROM WASHINGTON SQUARE TO RICE SQUARE (1.4 MILES)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
601368	WORCESTER - RESURFACING & RELATED WORK ON ROUTE 122 (GRAFTON STREET), FROM WASHINGTON SQUARE TO RICE SQUARE (1.4 MILES)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	56,950	
604948	UXBRIDGE - RECONSTRUCTION OF ROUTE 122 (NORTH MAIN STREET), FROM HARTFORD AVENUE TO ROUTE 16	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	14,035	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
606440	PRINCETON - RECLAMATION ON ROUTE 140, FROM STERLING T.L. TO ROUTE 31	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
606440	PRINCETON - RECLAMATION ON ROUTE 140, FROM STERLING T.L. TO ROUTE 31	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	4,175	
606638	SUTTON - BRIDGE REPLACEMENT, S-33-005, BLACKSTONE STREET OVER BLACKSTONE RIVER	N/A	N/A	0	
607917	AUBURN TO WORCESTER - GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 290	N/A	N/A	0	
Pending	Quinebaug Rail Trail	Qualitative	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	6,300	
2018	**REGION: CENTRAL MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-81,460**	
			Total GHG Difference (kg/year)	**-81,460**	
FRANKLIN					
603371	ORANGE- RECONSTRUCTION OF NORTH MAIN STREET, FROM SCHOOL STREET TO LINCOLN AVENUE (0.4 MILES) INCL RELOCATION OF FALL HILL BROOK CULVERT	Qualitative	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	kg/year reduction shown under CMAQ above.
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 (See Emissions Analysis Appendix)	475	
606507	CHARLEMONT - ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM 2 MM 29.5 TO MM 31.0	Qualitative	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	kg/year reduction shown in FFY2017 under CMAQ.
607538	COLRAIN- INTERSECTION IMPROVEMENTS @ MAIN ROAD, JACKSONVILLE ROAD (ROUTE 112) & GREENFIELD ROAD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,982	
2018	**REGION: FRANKLIN**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-2,457**	
			Total GHG Difference (kg/year)	**-2,457**	
MERRIMACK VALLEY					
602418	AMESBURY - RECONSTRUCTION OF ELM STREET	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605020	SALISBURY - MULTI-USE TRAIL EXTENSION (BORDERS TO BOSTON TRAIL)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	6,837 = Emission Reduction in CO2 kg per year. Quantity shown above in CMAQ section.
605020	SALISBURY - MULTI-USE TRAIL EXTENSION (BORDERS TO BOSTON TRAIL)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	6,837	6,837 = Emission Reduction in CO2 kg per year
605306	HAVERHILL- SUBSTRUCTURE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Construction (M)

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607541	GEORGETOWN- BORDER TO BOSTON TRAIL (SOUTHERN GEORGETOWN SECTION)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	1,520	1,520 = Emission Reduction in CO2 kg per year
607737	AMESBURY- SALISBURY- TRAIL CONNECTOR @ I-95	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
2018	**REGION: MERRIMACK VALLEY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-8,357**	
			Total GHG Difference (kg/year)	**-8,357**	
MONTACHUSETT					
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	See HSIP for Numbers.
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	138,448	See Appendix
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	See HSIP for Numbers.
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	See HSIP for Numbers.
607127	HUBBARDSTON - BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
607252	GARDNER - RESURFACING & RELATED WORK ON MATTHEW STREET	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis.
607321	TEMPLETON - RESURFACING & RELATED WORK ON A SECTION OF ROUTE 68 FROM THE GARDNER CITY LINE TO THE END OF STATE HIGHWAY (2.0 MILES)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis.
607446	WESTMINSTER- INTERSECTION IMPROVEMENTS, ROUTE 2A AT ROUTE 140	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	Not Enough Info at time of TIP for Analysis.
608179	ROYALSTON - BRIDGE REPLACEMENT, R-12-9, N. FITZWILLIAM ROAD OVER THE LAWRENCE BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2018	**REGION: MONTACHUSETT**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-138,448**	
			Total GHG Difference (kg/year)	**-138,448**	
NORTHERN MIDDLESEX					
605966	LOWELL- RECONSTRUCTION & RELATED WORK ON VFW PARKWAY	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
605966	LOWELL- RECONSTRUCTION & RELATED WORK ON VFW PARKWAY	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607885	LOWELL- PEDESTRIAN WALKWAY & BICYCLE CONNECTION AT PAWTUCKET FALLS OVERLOOK, FROM VANDENBERG ESPLANADE TO SCHOOL STREET	N/A	N/A	0	
608037	WESTFORD-TRAFFIC SIGNAL INSTALLATION AND INTERSECTION IMPROVEMENTS AT RTE 40 AND DUNSTABLE RD	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
608037	WESTFORD-TRAFFIC SIGNAL INSTALLATION AND INTERSECTION IMPROVEMENTS AT RTE 40 AND DUNSTABLE RD	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
2018	**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 (See Emissions Analysis Appendix)	0	
606264	PLYMOUTH - IMPROVEMENTS ON OBERY STREET, FROM SOUTH STREET TO A.A. CARANCI WAY/PLYMOUTH NORTH H.S. DRIVE INTERSECTION	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	583,160	
608088	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
2018	**REGION: OLD COLONY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-583,160**	
			Total GHG Difference (kg/year)	**-583,160**	
PIONEER VALLEY					
600936	HOLYOKE- BRIDGE REPLACEMENT, H-21-018, LYMAN STREET OVER FIRST LEVEL CANAL	N/A	N/A	0	
602912	CHICOPEE- CHICOPEE RIVER RIVERWALK MULTI-USE PATH CONSTRUCTION, FROM GRAPE STREET TO FRONT STREET (NEAR ELLERTON STREET)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	23,397	
604434	CHICOPEE- RECONSTRUCTION & RELATED WORK ON FULLER ROAD, FROM MEMORIAL DR (RTE 33) TO SHAWINIGAN DR (2.0 MILES)	N/A	N/A	0	
604597	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	N/A	N/A	0	
604597	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	N/A	N/A	0	
604597	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	N/A	N/A	0	
604597	NORTHAMPTON- I-91 INTERCHANGE 19 IMPROVEMENTS AT ROUTE 9 AND DAMON RD	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
604738	SOUTHAMPTON- RECONSTRUCTION OF GLENDALE ROAD (PHASE II) FROM COLLEGE HIGHWAY (RT 10) NORTHWESTERLY TO POMEROY MEADOW RD (3,801 FEET)	N/A	N/A	0	
607256	HOLYOKE- RESURFACING & RELATED WORK ON HERITAGE STREET, FRONT STREET & DWIGHT STREET FROM MAPLE ST TO THE 1ST LEVEL CANAL (.54 MILES)	N/A	N/A	0	
607430	LONGMEADOW- RESURFACING & RELATED WORK ON LONGMEADOW STREET (ROUTE 5), FROM THE CT S.L. TO CONVERSE STREET (2.88 MILES)	N/A	N/A	0	
607474	GRANBY / SOUTH HADLEY - RESURFACING AND RELATED WORK ON ROUTE 202	N/A	N/A	0	
607502	NORTHAMPTON - INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	N/A	N/A	0	
607502	NORTHAMPTON - INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	N/A	N/A	0	
607560	CHICOPEE- HOLYOKE- INTERSTATE MAINTENANCE & RELATED WORK ON I-391	N/A	N/A	0	
607560	CHICOPEE- HOLYOKE- INTERSTATE MAINTENANCE & RELATED WORK ON I-391	N/A	N/A	0	
607589	SPRINGFIELD- NORTH END PEDESTRIAN PATH CONSTRUCTION (UNDER PAN-AM RAILROAD), BETWEEN PLAINFIELD STREET AND BIRNIE AVENUE	N/A	N/A	0	
607939	CUMMINGTON- BRIDGE MAINTENANCE, C-21-025, ROUTE 9 OVER THE WESTFIELD RIVER	N/A	N/A	0	
608207	LONGMEADOW - SPRINGFIELD - RESURFACING AND RELATED WORK ON I-91	N/A	N/A	0	
2018	**REGION: PIONEER VALLEY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-23,397**	
			Total GHG Difference (kg/year)	**-23,397**	
SOUTHEASTERN MASSACHUSETTS					
117106	WAREHAM - RECONSTRUCTION OF ROUTE 6 & 28, FROM 500 FT. EAST OF TYLER AVENUE TO EAST OF RED BROOK ROAD	Quantified	Assumed Nominal Increase in Emissions	0	
607339	ATTLEBORO - INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607339	ATTLEBORO - INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607531	NORTON - EAST MAIN STREET (ROUTE 123), FROM PINE STREET TO I-495, CORRIDOR IMPROVEMENTS PLUS TRAFFIC SIGNAL INSTALLATION ON ROUTE I-495 (NB & SB) RAMPS AT EAST MAIN STREET (ROUTE 12	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607531	NORTON - EAST MAIN STREET (ROUTE 123), FROM PINE STREET TO I-495, CORRIDOR IMPROVEMENTS PLUS TRAFFIC SIGNAL INSTALLATION ON ROUTE I-495 (NB & SB) RAMPS AT EAST MAIN STREET (ROUTE 12	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607566	SEEKONK- REHOBOTH- INTERSTATE MAINTENANCE & RELATED WORK ON I-195	0	0	0	
607566	SEEKONK- REHOBOTH- INTERSTATE MAINTENANCE & RELATED WORK ON I-195	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	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607871	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607871	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607898	DISTRICT 5- BRIDGE CLEANING ALONG I-495, ROUTE 25, ROUTE 6 & ROUTE 28	N/A	N/A	0	
608124	MIDDLEBOROUGH- INTERIM IMPROVEMENTS AT ROUTES 18/28/44 (ROTARY)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
608212	SEEKONK - STORMWATER IMPROVEMENTS ALONG ROUTE 114A	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2018	**REGION: SOUTHEASTERN MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
STATEWIDE					
607905	DISTRICT 3- BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	N/A	N/A	0	
607959	DISTRICT 2 - SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	N/A	N/A	0	
607993	AYER - FRAMINGHAM -MILLVILLE - NATICK - UXBRIDGE -WORCESTER - STORMWATER IMPROVEMENTS ALONG ROUTE 9, ROUTE 2A/ROUTE 110/ROUTE 111, ROUTE 146, ROUTE 122, AND I-290	N/A	N/A	0	
608140	DISTRICT 5&6- ITS CANTON TO ATTLEBORO	N/A	N/A	0	
608203	MARLBORO - HUDSON - BERLIN RESURFACING AND RELATED WORK ON I-495	N/A	N/A	0	
608203	MARLBORO - HUDSON - BERLIN - RESURFACING AND RELATED WORK ON I-495	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608204	ATTLEBORO TO NORWOOD - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 95	N/A	N/A	0	
82865	MASSRIDES -- TRAVEL OPTIONS PROGRAM	N/A	N/A	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	0	0	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	N/A	N/A	0	
ALTFUL	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	N/A	N/A	0	
BRI	BRIDGE INSPECTION	N/A	N/A	0	
EWO	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	N/A	N/A	0	
HSIP	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES	N/A	N/A	0	
MSC	DBES, MISC PROGRAMS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	N/A	N/A	0	
SPL	PLANNING	N/A	N/A	0	
SRT	RECREATIONAL TRAILS	N/A	N/A	0	
SRTS	SRTS Projects	N/A	N/A	0	
SRTS	SRTS - Planning & Design and selected schools	N/A	N/A	0	
2018	**REGION: STATEWIDE**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
2018			**Total GHG Increase (kg/year)**	**54,432**	
			Total GHG Reduction (kg/year)	**-1,234,632**	
			Total GHG Difference (kg/year)	**-1,180,200**	
BERKSHIRE					
601486	SHEFFIELD- BRIDGE REPLACEMENT, S-10-19, BERKSHIRE SCHOOL ROAD OVER SCHENOB BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
603255	PITTSFIELD- BRIDGE REPLACEMENT, P-10-049, LAKEWAY DRIVE OVER ONOTA LAKE	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
606462	LENOX- RECONSTRUCTION & MINOR WIDENING ON WALKER STREET	Quantified	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
606462	LENOX- RECONSTRUCTION & MINOR WIDENING ON WALKER STREET	Quantified	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
606890	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
606890	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	
607756	GREAT BARRINGTON- INTERSECTION & SIGNAL IMPROVEMENTS ON US 7 (SOUTH MAIN STREET) AT SR 23 & SR 41 (MAPLE AVENUE)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
608243	NEW MARLBOROUGH- N-8-10, UMPACHENE FALL ROAD OVER KONKAPOT RIVER	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2019	**REGION: BERKSHIRE**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
BOSTON					
1568	FAIRMOUNT IMPROVEMENTS	N/A	N/A	0	
1569	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	N/A	N/A	0	
1569	GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16	N/A	N/A	0	
601630	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	N/A	N/A	0	
602077	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	5,443	
604173	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	N/A	N/A	0	
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	N/A	N/A	0	
605034	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	67,133	
605034	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	N/A	N/A	0	
606043	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	N/A	N/A	0	
606043	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	513,475	
606043	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	N/A	N/A	0	
606381	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	N/A	N/A	0	
606453	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	N/A	N/A	0	

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 (See Emissions Analysis Appendix)	731,203	
606453	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	N/A	N/A	0	
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	N/A	N/A	0	
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	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	76,205	
607652	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	N/A	N/A	0	
607652	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	144,245	
607759	BOSTON- INTERSECTION & SIGNAL IMPROVEMENTS AT THE VFW PARKWAY & SPRING STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
607763	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 138 (BLUE HILL AVENUE) AT ATHERTON STREET & BRADLEE ROAD AND SR 138 (BLUE HILL AVENUE) AT MILTON STREET & DOLLAR LANE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
607888	BOSTON- BROOKLINE- MULTI-USE PATH CONSTRUCTION ON NEW FENWAY	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	96,163	
608052	NORWOOD- INTERSECTION & SIGNAL IMPROVEMENTS AT US 1 (PROVIDENCE HIGHWAY) & MORSE STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	Quantified GHG analysis will be conducted once project advances to 25% design.
608079	SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA	Qualitative	Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	0	
608205	READING TO LYNNFIELD - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 95 (STATE ROUTE 128)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608206	CHELSEA TO DANVERS - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF US ROUTE 1	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608208	QUINCY - MILTON - BOSTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608210	FOXBOROUGH-PLAINVILLE-WRENTHAM-FRANKLIN- INTERSTAE MAINTENANCE AND RELATED WORK ON I-495	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608213	MILTON - STORMWATER IMPROVEMENTS ALONG I-93	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608214	WINCHESTER - UPPER MYSTIC RIVER ROUTE 3	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608221	MARLBORO RESURFACING AND RELATED WORK ON ROUTE 20	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608255	STOW, BRIDGE REPLACEMENT, S-29-11, BOX MILL ROAD OVER ELIZABETH BROOK	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
2019	**REGION: BOSTON**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-1,633,867**	
			Total GHG Difference (kg/year)	**-1,633,867**	
CAPE COD					
607405	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	-999	N/A	0	Total programmed with 12% inflation applied =$2,400,000 = $2,221,236 CMAQ + $178,764 TAP). CMAQ analysis to be conducted. Municipality is proponent.
607405	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	-999	N/A	0	Total programmed with 12% inflation applied =$2,400,000 = $2,221,236 CMAQ + $178,764 TAP). CMAQ analysis to be conducted. Municipality is proponent.
2019	**REGION: CAPE COD**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
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 (See Emissions Analysis Appendix)	6,925	
606125	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH, HIGH STREET AND HOPKINTON ROAD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	443,225	
606125	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH, HIGH STREET AND HOPKINTON ROAD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
607250	PAXTON - RECLAMATION ON ROUTE 31 (HOLDEN ROAD)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	100	
607250	PAXTON - RECLAMATION ON ROUTE 31 (HOLDEN ROAD)	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	GHG Numbers are calculated above
607757	WORCESTER - SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 122A (PROVIDENCE STREET) AT MILLBURY STREET & MCKEON ROAD	N/A	N/A	0	
608190	EAST BROOKFIELD - BRIDGE REPLACEMENT, E-2-1, SOUTH POND ROAD OVER SOUTH POND INLET	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2019	**REGION: CENTRAL MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-450,250**	
			Total GHG Difference (kg/year)	**-450,250**	
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 (See Emissions Analysis Appendix)	0	kg/year reduction shown in FFY 2018 under CMAQ
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 (See Emissions Analysis Appendix)	0	kg/year reduction shown under CMAQ above
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 (See Emissions Analysis Appendix)	13,249	
608248	MONROE, BRIDGE REPLACEMENT, M-26-4, RAYCROFT ROAD OVER DUNBAR BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2019	**REGION: FRANKLIN**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-13,249**	
			Total GHG Difference (kg/year)	**-13,249**	
MARTHA'S VINEYARD					
608142	Oak Bluffs -Construction of a Shared Use Path (SUP) along Beach Road, Eastville Avenue, Towanicut Street and New York Ave.	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	11,675	New bicycle and pedestrian SUP
608142	Oak Bluffs -Construction of a Shared Use Path (SUP) along Beach Road, Eastville Avenue, Towanicut Street and New York Ave.	0	N/A	0	
608142	Oak Bluffs -Construction of a Shared Use Path (SUP) along Beach Road, Eastville Avenue, Towanicut Street and New York Ave.	0	N/A	0	
2019	**REGION: MARTHA'S VINEYARD**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-11,675**	
			Total GHG Difference (kg/year)	**-11,675**	
MERRIMACK VALLEY					
602418	AMESBURY - RECONSTRUCTION OF ELM STREET	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
605306	HAVERHILL- SUBSTRUCTURE 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 (See Emissions Analysis Appendix)	17,460	17,460 = Emission Reduction in CO2 kg per year

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608187	HAVERHILL- MERRIMAC- AMESBURY- TRAFFIC & GUIDE SIGN REPLACEMENT ON A SECTION OF I-495	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
608216	BOXFORD - STORMWATER IMPROVEMENTS ALONG I-95	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2019	**REGION: MERRIMACK VALLEY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**-17,460**	
			Total GHG Difference (kg/year)	**-17,460**	
MONTACHUSETT					
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis.
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis.
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis.
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	Not Enough Info at time of TIP for Analysis.
608193	FITCHBURG - LEOMINSTER - RAIL TRAIL CONSTRUCTION (TWIN CITIES RAIL TRAIL)	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle Infrastructure	0	Not Enough Info at time of TIP for Analysis.
608259	TOWNSEND - BRIDGE REPLACEMENT, T-7-13, WEST MEADOW ROAD OVER LOCKE BROOK	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
BR1903	ATHOL - BRIDGE REPLACEMENT, A-15-5, WASHINGTON AVE OVER SOUTH ATHOL POND OUTLET	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2019	**REGION: MONTACHUSETT**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
NORTHERN MIDDLESEX					
607421	CHELMSFORD- INTERSECTION IMPROVEMENTS AT ROUTE 4 & I-495 (EXIT 33)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607534	TEWKSBURY - MILL STREET OVER THE SHAWSHEEN RIVER (BR-OFF)	N/A	N/A	0	
608181	BILLERICA-ALLEN RD/ ROUTE 3A INTERSECTION IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	See 2016 Allen Rd Project.
Pending	DRACUT-NASHUA RD IMPROVEMENTS	Qualitative	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	
Pending	DRACUT - NASHUA RD IMPROVEMENTS	N/A	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
Pending	CHELMSFORD- INTERSECTION IMPROVEMENTS AT ROUTE 129 AND RIVERNECK RD	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
Pending	CHELMSFORD- INTERSECTION IMPROVEMENTS AT ROUTE 129 AND RIVERNECK RD	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
2019	**REGION: NORTHERN MIDDLESEX**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
OLD COLONY					
607217	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION ON FROM NEWELL CIRCLE TO ROUTE 138	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
607941	EAST BRIDGEWATER - RESURFACING AND SIDEWALK CONSTRUCTION ON BEDFORD STREET (ROUTE 18), FROM WHITMAN STREET (ROUTE 106) TO CENTRAL STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
608086	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
608143	BROCKTON - NORTH QUINCY STREET, CHESTNUT STREET, AND BOUNDARY AVENUE SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	0	
2019	**REGION: OLD COLONY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
PIONEER VALLEY					
600513	AGAWAM- RECONSTRUCTION OF ROUTE 187 FROM 425 FT. SOUTH OF S. WESTFIELD STREET TO ROUTE 57 (0.3 MILES - PHASE I)	N/A	N/A	0	
604209	HOLYOKE- WEST SPRINGFIELD- REHABILITATION OF ROUTE 5 (RIVERDALE ROAD), FROM I-91 (INTERCHANGE 13) TO MAIN STREET IN HOLYOKE & FROM ELM STREET TO NORTH ELM STREET IN WEST SPRINGFIELD (3.2 MILES)	N/A	N/A	0	
606156	HOLYOKE- RECONSTRUCTION OF I-91 INTERCHANGE 17 & ROUTE 141	N/A	N/A	0	
606156	HOLYOKE- RECONSTRUCTION OF I-91 INTERCHANGE 17 & ROUTE 141	N/A	N/A	0	
606552	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	N/A	N/A	0	
607773	WESTFIELD- IMPROVEMENTS & RELATED WORK ON ROUTE 20, COURT STEET & WESTERN AVENUE, LLOYDS HILL ROAD TO HIGH STREET/MILL STREET INTERSECTION (PHASE II)	N/A	N/A	0	
607893	NORTHAMPTON- INTERSECTION IMPROVEMENTS @ ELM STREET, MAIN STREET, WEST STREET, STATE STREET & NEW SOUTH STREET	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607893	NORTHAMPTON- INTERSECTION IMPROVEMENTS @ ELM STREET, MAIN STREET, WEST STREET, STATE STREET & NEW SOUTH STREET	N/A	N/A	0	
607987	WARE- INTERSECTION IMPROVEMENTS @ MAIN STREET, WEST STREET, NORTH STREET, SOUTH STREET & CHURCH STREET	N/A	N/A	0	
607987	WARE- INTERSECTION IMPROVEMENTS @ MAIN STREET, WEST STREET, NORTH STREET, SOUTH STREET & CHURCH STREET	N/A	N/A	0	
608084	AMHERST- IMPROVEMENTS & RELATED WORK ON ROUTES 9 & 116, FROM UNIVERSITY DRIVE TO SOUTH PLEASANT STREET (0.8 MILES)	N/A	N/A	0	
608211	CHICOPEE - SPRINGFIELD - RESURFACING AND RELATED WORK ON I-291	N/A	N/A	0	
BR1905	MIDDLEFIELD- BRIDGE REPLACEMENT, M-19-10, CHESTER ROAD OVER SMAR BROOK	N/A	N/A	0	
2019	**REGION: PIONEER VALLEY**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
SOUTHEASTERN MASSACHUSETTS					
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	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
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	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
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	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
606715	LAKEVILLE- RECONSTRUCTION AND RELATED WORK ON RHODE ISLAND ROAD (ROUTE 79), FROM THE TAUNTON CITY LINE TO CLEAR POND ROAD	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607572	TAUNTON- CORRIDOR IMPROVEMENTS & RELATED WORK ON BROADWAY (ROUTE 138), FROM TAUNTON GREEN NORTHERLY TO JACKSON STREET	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607822	NORTON- MANSFIELD- RAIL TRAIL EXTENSION (WORLD WAR II VETERANS TRAIL)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
607979	MARION- SHARED USE PATH CONSTRUCTION (PHASE 1), FROM THE MARION-MATTAPOISETT T.L. TO THE INTERSECTION OF POINT ROAD AND COUNTY ROAD	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
608053	MANSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 140 (COMMERCIAL STREET) & SR 106 (CHAUNCEY STREET)	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
608081	WESTPORT- RESURFACING AND RELATED WORK ALONG ROUTE 88 FROM MILE MARKER 0.0 (BEGINNING OF STATE HIGHWAY) NORTHERLY TO MILE MARKER 1.2, JUST NORTH OF DRIFT ROAD.	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	0	
608215	FAIRHAVEN - STORMWATER IMPROVEMENTS ALONG ROUTE 240 AND ROUTE 6	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
608223	FALL RIVER RESURFACING AND RELATED WORK ON ROUTE 24 (EXCLUDES MM 3.9-4.5)	Qualitative	No Assumed Impact/Negligible Impact on Emissions	0	
2019	**REGION: SOUTHEASTERN MASSACHUSETTS**		**Total GHG Increase (kg/year)**	**0**	
			Total GHG Reduction (kg/year)	**0**	
			Total GHG Difference (kg/year)	**0**	
STATEWIDE					
607487	STATEWIDE ITS EXPANSION	N/A	N/A	0	
608141	DISTRICT 4 &6 ITS I-95 SALISBURY TO PEABODY RT1 SAUGUS	N/A	N/A	0	
608209	LITTLETON-WESTFORD- INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	N/A	N/A	0	
608222	BOURNE - WAREHAM RESURFACING AND RELATED WORK ON ROUTE 25	N/A	N/A	0	
608225	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	N/A	N/A	0	
608226	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	N/A	N/A	0	
82865	MASSRIDES -- TRAVEL OPTIONS PROGRAM	N/A	N/A	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	N/A	N/A	0	
ABPGAN	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	0	0	0	
ALTFUL	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	N/A	N/A	0	
BRI	BRIDGE INSPECTION	N/A	N/A	0	
BRPRES	BRIDGE PRESERVATION PROGRAM	N/A	N/A	0	
EWO	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	N/A	N/A	0	
HSIP	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES	N/A	N/A	0	
MSC	DBES, MISC PROGRAMS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	N/A	N/A	0	
RRC	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	N/A	N/A	0	
SPL	PLANNING	N/A	N/A	0	
SRT	RECREATIONAL TRAILS	N/A	N/A	0	
SRTS	SRTS Projects	N/A	N/A	0	
SRTS	SRTS - Planning & Design and selected schools	N/A	N/A	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2019	REGION: STATEWIDE		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
2019			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-2,126,501	
			Total GHG Difference (kg/year)	-2,126,501	
2016-2019			Total GHG Increase for all years (kg/year)	54,432	
			Total GHG Reduction for all years (kg/year)	-6,675,301	
			Total GHG Difference for all years (kg/year)	-6,620,869	

Appendix 3 – Financial Tables

Highway Fiscal Constraint – page 164

Transit Fiscal Constraint – page 172

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Operations and Maintenance Tables – page 178

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Fiscal Constraint Charts

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FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2015**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
NATIONAL HIGHWAY PERFORMANCE	**$305,023,572**	**$20,021,793**		**$325,045,365**	**$311,864,673**	**$13,180,692**
STP FLEX	**$43,842,580**	**$10,146,352**		**$53,988,932**	**$25,740,138**	**$28,248,794**
BRIDGE-OFF SYSTEM	**$28,456,838**	**$85,748,867**		**$114,205,705**	**$29,875,029**	**$84,330,676**
STP NON-FLEX	**$72,218,612**	**$13,157,709**		**$85,376,321**	**$71,573,516**	**$13,802,805**
-BOSTON URBAN AREA	$45,136,794	$1		$45,136,795	$45,136,794	$1
-BARNSTABLE URBAN AREA	$2,724,025	$7,009,574		$9,733,599	$2,433,693	$7,299,906
-SPRINGFIELD, CHICOPEE, HOLYOKE	$5,869,846	$1		$5,869,847	$5,869,846	$1
-WORCESTER URBAN AREA	$5,008,531	$3,720,485		$8,729,016	$7,527,756	$1,201,260
-PROVIDENCE, PAWTUCKET	$2,873,988	$8,502,215		$11,376,203	$0	$11,376,203
-OTHER AREAS (RURAL & SMALL URBAN)	$10,605,428	$0		$10,605,428	$10,605,427	$1
STP-ENHANCEMENT	**$0**	**$33,820,225**		**$33,820,225**	**$8,596,346**	**$25,223,879**
SAFE ROUTES TO SCHOOLS PGM.	**$0**			**$0**	**$0**	
TAP RECREATIONAL TRAILS	**$1,186,729**	**$3,683,457**		**$4,870,186**	**$800,000**	**$4,070,186**
TAP FLEX	**$5,268,579**	**$12,316,483**		**$17,585,062**	**$712,518**	**$16,872,544**
TAP NON-FLEX	**$5,268,579**	**$9,156,660**		**$14,425,239**	**$9,436,987**	**$4,988,252**
-BOSTON URBAN AREA	$3,289,194	$5,509,714		$8,798,908	$5,888,831	$2,910,077
-BARNSTABLE URBAN AREA	$198,504	$416,167		$614,671	$614,670	$1
-SPRINGFIELD, CHICOPEE, HOLYOKE	$427,746	$896,777		$1,324,523	$758,302	$566,221
-WORCESTER URBAN AREA	$364,980	$765,187		$1,130,167	$802,384	$327,783
-PROVIDENCE, PAWTUCKET	$209,432	$439,079		$648,511	$0	$648,511
-OTHER AREAS (RURAL & SMALL URBAN)	$338,467	$1,189,480		$1,527,947	$1,372,800	$155,147
HWY SAFETY IMPROVEMENT PGM.	**$32,218,108**	**$4,056,954**		**$36,275,062**	**$31,857,362**	**$4,417,700**
HSIP - High Risk Rural	**$0**	$5,304,843		**$5,304,843**	**$4,725,000**	**$579,843**
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	**$1,212,443**	**$9,684,647**		**$10,897,090**	**$3,400,000**	**$7,497,090**
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	**$1,212,443**	**$5,327,472**		**$6,539,915**	**$3,400,000**	**$3,139,915**
SUB-TOTAL>	**$495,908,483**	**$212,425,463**	**$0**	**$708,333,946**	**$501,981,569**	**$206,352,377**
CMAQ	**$60,820,818**	**$29,560,127**		**$90,380,945**	**$58,056,490**	**$32,324,455**
PLANNING	**$20,038,477**	**$28,912,723**		**$48,951,200**	**$16,800,000**	**$32,151,200**
FEDERAL AID SUB TOTAL:	**$576,767,778**	**$270,898,314**	**$0**	**$847,666,092**	**$576,838,059**	**$270,828,033**
			FEDERAL OBLIGATION LIMITATION GUIDANCE		**$600,000,000**	

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	I	II	III	IV	V	VI
FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2015**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
HIGH PRIORITY PROJECTS		**$135,992,010**		**$135,992,010**	**$13,903,586**	**$122,088,424**
FERRY BOAT DESC				**$0**	**$0**	**$0**
SECTION 115 PROJECTS		**$0**		**$0**	**$0**	**$0**
SECTION 117 PROJECTS		**$186,027**		**$186,027**	**$0**	**$186,027**
SECTION 125 PROJECTS		**$0**		**$0**	**$0**	**$0**
MISCELLANEOUS / OTHER / UNDETERMINED	**$960**	**$47,238,215**		**$47,239,175**	**$2,096,080**	**$45,143,095**
FEDERAL AID TOTAL >		**$454,314,566**	**$0**	**$1,031,083,304**	**$592,837,725**	**$438,245,579**
STATE MATCH FOR FEDERAL AID		**$90,862,913**		**$206,216,661**	**$122,251,019**	**$83,965,642**
NON-FEDERAL AID + FEDERAL AID TOTAL >					**$715,088,744**	

NOTES: MISCELLANEOUS / OTHER / UNDETERMINED Apportionment Includes estimated NHPP Exempt.

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	I	II	III	IV	V	VI
FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2016**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
NATIONAL HIGHWAY PERFORMANCE	**$305,023,572**	**$13,180,692**	**($6,000,000)**	**$312,204,264**	**$265,449,222**	**$46,755,043**
STP FLEX	**$43,842,580**	**$28,248,794**		**$72,091,374**	**$46,196,142**	**$25,895,232**
BRIDGE-OFF SYSTEM	**$28,456,838**	**$84,330,676**		**$112,787,514**	**$28,833,230**	**$83,954,284**
STP NON-FLEX	**$72,218,612**	**$13,802,805**		**$86,021,417**	**$77,845,788**	**$8,175,629**
	$45,136,794	$1		$45,136,795	$45,136,794	$1
-BOSTON URBAN AREA	$2,724,025	$7,299,906		$10,023,931	$10,023,930	$1
-BARNSTABLE URBAN AREA	$5,869,846	$1		$5,869,847	$5,869,846	$1
-SPRINGFIELD, CHICOPEE, HOLYOKE	$5,008,531	$1,201,260		$6,209,791	$6,209,790	$1
-WORCESTER URBAN AREA	$2,873,988	$11,376,203		$14,250,191	$0	$14,250,191
-PROVIDENCE, PAWTUCKET	$10,605,428	$1		$10,605,429	$10,605,428	$1
-OTHER AREAS (RURAL & SMALL URBAN)	**$0**	**$25,223,879**		**$25,223,879**	**$11,953,839**	**$13,270,040**
STP-ENHANCEMENT	**$0**	**$0**		**$0**	**$0**	
SAFE ROUTES TO SCHOOLS PGM.	**$1,186,729**	**$4,070,186**		**$5,256,915**	**$800,000**	**$4,456,915**
TAP RECREATIONAL TRAILS	**$5,268,579**	**$16,872,544**		**$22,141,123**	**$1,789,913**	**$20,351,210**
TAP FLEX	**$5,268,579**	**$4,988,252**		**$10,256,831**	**$7,762,628**	**$2,494,203**
TAP NON-FLEX	$3,289,194	$2,910,077		$6,199,271	$5,717,996	$481,275
	$198,504	$1		$198,505	$198,505	$0
-BOSTON URBAN AREA	$427,746	$566,221		$993,967	$492,711	$501,256
-BARNSTABLE URBAN AREA	$364,980	$327,783		$692,763	$443,456	$249,307
-SPRINGFIELD, CHICOPEE, HOLYOKE	$209,432	$648,511		$857,943	$832,000	$25,943
-WORCESTER URBAN AREA	$338,467	$155,147		$493,614	$77,960	$415,654
-PROVIDENCE, PAWTUCKET	**$32,218,108**	**$4,417,700**	**$6,000,000**	**$42,635,808**	**$40,786,034**	**$1,849,774**
-OTHER AREAS (RURAL & SMALL URBAN)	**$0**	$579,843		**$579,843**	**$0**	**$579,843**
HWY SAFETY IMPROVEMENT PGM.	**$1,212,443**	**$7,497,090**		**$8,709,533**	**$4,000,000**	**$4,709,533**
HSIP - High Risk Rural	**$1,212,443**	**$3,139,915**		**$4,352,358**	**$4,000,000**	**$352,358**
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	**$495,908,483**	**$206,352,377**	**$0**	**$702,260,860**	**$489,416,796**	**$212,844,064**
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	**$60,820,818**	**$32,324,455**		**$93,145,273**	**$77,716,720**	**$15,428,553**
SUB-TOTAL>	**$20,038,477**	**$32,151,200**		**$52,189,677**	**$25,800,000**	**$26,389,677**
CMAQ	**$576,767,778**	**$270,828,033**	**$0**	**$847,595,811**	**$592,933,516**	**$254,662,295**
PLANNING			**$0**	**FEDERAL OBLIGATION LIMITATION GUIDANCE**	**$600,000,000**	
FEDERAL AID SUB-TOTAL:						

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FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2016**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
HIGH PRIORITY PROJECTS		**$122,088,424**		**$122,088,424**	**$17,524,816**	**$104,563,608**
FERRY BOAT DESC		$0		**$0**	**$0**	**$0**
SECTION 115 PROJECTS		**$0**		**$0**	**$0**	**$0**
SECTION 117 PROJECTS		**$186,027**		**$186,027**	**$0**	**$186,027**
SECTION 125 PROJECTS		**$0**		**$0**	**$0**	**$0**
MISCELLANEOUS / OTHER / UNDETERMINED	**$0**	**$45,143,095**		**$45,143,095**	**$2,659,638**	**$42,483,457**
FEDERAL AID TOTAL >		**$438,245,579**	**$0**	**$1,015,013,357**	**$613,117,970**	**$401,895,387**
STATE MATCH FOR FEDERAL AID		**$83,965,642**		**$203,002,671**	**$123,274,613**	**$79,728,058**
NON-FEDERAL AID + FEDERAL AID TOTAL >					**$736,392,583**	

NOTES: MISCELLANEOUS / OTHER / UNDETERMINED Apportionment Includes estimated NHPP Exempt.

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FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2017**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
NATIONAL HIGHWAY PERFORMANCE	**$305,023,572**	**$46,755,043**	**($18,000,000)**	**$333,778,615**	**$241,800,532**	**$91,978,082**
STP FLEX	**$43,842,580**	**$25,895,232**		**$69,737,812**	**$62,757,617**	**$6,980,195**
BRIDGE-OFF SYSTEM	**$28,456,838**	**$83,954,284**		**$112,411,122**	**$28,844,573**	**$83,566,549**
STP NON-FLEX	**$72,218,612**	**$8,175,629**		**$80,394,241**	**$67,650,316**	**$12,743,925**
	$45,136,794	$1		$45,136,795	$45,136,794	$1
-BOSTON URBAN AREA	$2,724,025	$1		$2,724,026	$2,348,694	$375,332
-BARNSTABLE URBAN AREA	$5,869,846	$1		$5,869,847	$5,869,846	$1
-SPRINGFIELD, CHICOPEE, HOLYOKE	$5,008,531	$1		$5,008,532	$3,689,554	$1,318,978
-WORCESTER URBAN AREA	$2,873,988	$14,250,191		$17,124,179	$0	$17,124,179
-PROVIDENCE, PAWTUCKET	$10,605,428	$1		$10,605,429	$10,605,428	$1
-OTHER AREAS (RURAL & SMALL URBAN)	**$0**	**$13,270,040**		**$13,270,040**	**$6,686,180**	**$6,583,860**
STP-ENHANCEMENT						
SAFE ROUTES TO SCHOOLS PGM.	**$0**	**$0**		**$0**	**$0**	**$0**
TAP RECREATIONAL TRAILS	**$1,186,729**	**$4,456,915**		**$5,643,644**	**$800,000**	**$4,843,644**
TAP FLEX	**$5,268,579**	**$20,351,210**		**$25,619,789**	**$5,193,189**	**$20,426,600**
TAP NON-FLEX	**$5,268,579**	**$2,494,203**		**$7,762,782**	**$4,654,889**	**$3,107,893**
	$3,289,194	$481,275		$3,770,469	$3,222,212	$548,257
-BOSTON URBAN AREA	$198,504	$0		$198,504	$185,845	$12,659
-BARNSTABLE URBAN AREA	$427,746	$501,256		$929,002	$492,711	$436,291
-SPRINGFIELD, CHICOPEE, HOLYOKE	$364,980	$249,307		$614,287	$0	$614,287
-WORCESTER URBAN AREA	$209,432	$25,943		$235,375	$0	$235,375
-PROVIDENCE, PAWTUCKET	$338,467	$415,654		$754,121	$754,121	$0
-OTHER AREAS (RURAL & SMALL URBAN)	**$32,218,108**	**$1,849,774**	**$2,000,000**	**$36,067,882**	**$33,905,466**	**$2,162,416**
HWY SAFETY IMPROVEMENT PGM.						
HSIP - High Risk Rural	**$0**	$579,843		**$579,843**	**$0**	**$579,843**
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	**$1,212,443**	**$4,709,533**		**$5,921,976**	**$3,400,000**	**$2,521,976**
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	**$1,212,443**	**$352,358**		**$1,564,801**	**$1,400,000**	**$164,801**
SUB-TOTAL>	**$495,908,483**	**$212,844,064**	**($16,000,000)**	**$679,482,508**	**$457,092,762**	**$229,075,925**
CMAQ	**$60,820,818**	**$15,428,553**	**$16,000,000**	**$92,249,371**	**$90,425,709**	**$1,823,662**
PLANNING	**$20,038,477**	**$26,389,677**		**$46,428,154**	**$24,800,000**	**$21,628,154**
FEDERAL AID SUB-TOTAL:	**$576,767,778**	**$254,662,295**	**$0**	**$818,160,033**	**$572,318,471**	**$252,527,742**
		$0				
		$0	**FEDERAL OBLIGATION LIMITATION GUIDANCE**		**$600,000,000**	

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FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2017**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
HIGH PRIORITY PROJECTS	**$0**	**$104,563,608**		**$104,563,608**	**$8,492,004**	**$96,071,604**
FERRY BOAT DESC	**$0**	$0		**$0**	**$0**	**$0**
SECTION 115 PROJECTS	**$0**	**$0**		**$0**	**$0**	**$0**
SECTION 117 PROJECTS	**$0**	**$186,027**		**$186,027**	**$0**	**$186,027**
SECTION 125 PROJECTS	**$0**	**$0**		**$0**	**$0**	**$0**
MISCELLANEOUS / OTHER / UNDETERMINED	**$0**	**$42,483,457**		**$42,483,457**	**$0**	**$42,483,457**
FEDERAL AID TOTAL >		**$401,895,387**	**$0**	**$965,393,125**	**$580,810,475**	**$391,268,830**
STATE MATCH FOR FEDERAL AID		**$79,728,058**		**$193,078,625**	**$118,796,533**	**$74,282,092**
NON-FEDERAL AID + FEDERAL AID TOTAL >					**$699,607,008**	

NOTES: MISCELLANEOUS / OTHER / UNDETERMINED Apportionment Includes estimated NHPP Exempt.

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	I	II	III	IV	V	VI
FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2018**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
NATIONAL HIGHWAY PERFORMANCE	**$305,023,572**	**$91,978,082**	**($19,000,000)**	**$378,001,654**	**$251,656,634**	**$126,345,020**
STP FLEX	**$43,842,580**	**$6,980,195**	**$12,000,000**	**$62,822,775**	**$61,507,621**	**$1,315,154**
BRIDGE-OFF SYSTEM	**$28,456,838**	**$83,566,549**		**$112,023,387**	**$30,356,149**	**$81,667,238**
STP NON-FLEX	**$72,218,612**	**$12,743,925**		**$84,962,537**	**$67,939,578**	**$17,022,959**
	$45,136,794	$1		$45,136,795	$45,136,794	$1
-BOSTON URBAN AREA	$2,724,025	$375,332		$3,099,357	$0	$3,099,357
-BARNSTABLE URBAN AREA	$5,869,846	$1		$5,869,847	$5,869,846	$1
-SPRINGFIELD, CHICOPEE, HOLYOKE	$5,008,531	$1,318,978		$6,327,509	$6,327,509	$0
-WORCESTER URBAN AREA	$2,873,988	$17,124,179		$19,998,167	$0	$19,998,167
-PROVIDENCE, PAWTUCKET	$10,605,428	$1		$10,605,429	$10,605,429	$0
-OTHER AREAS (RURAL & SMALL URBAN)	**$0**	**$6,583,860**		**$6,583,860**	**$3,859,136**	**$2,724,724**
STP-ENHANCEMENT						
SAFE ROUTES TO SCHOOLS PGM.	**$0**	**$0**		**$0**	**$0**	**$0**
TAP RECREATIONAL TRAILS	**$1,186,729**	**$4,843,644**		**$6,030,373**	**$800,000**	**$5,230,373**
TAP FLEX	**$5,268,579**	**$20,426,600**		**$25,695,179**	**$5,266,021**	**$20,429,158**
TAP NON-FLEX	**$5,268,579**	**$3,107,893**		**$8,376,472**	**$3,074,479**	**$5,301,993**
	$3,289,194	$548,257		$3,837,451	$2,235,217	$1,602,234
-BOSTON URBAN AREA	$198,504	$12,659		$211,163	$143,011	$68,152
-BARNSTABLE URBAN AREA	$427,746	$436,291		$864,037	$16,726	$847,311
-SPRINGFIELD, CHICOPEE, HOLYOKE	$364,980	$614,287		$979,267	$341,059	$638,208
-WORCESTER URBAN AREA	$209,432	$235,375		$444,807	$0	$444,807
-PROVIDENCE, PAWTUCKET	$338,467	$0		$338,467	$338,466	$1
-OTHER AREAS (RURAL & SMALL URBAN)	**$32,218,108**	**$2,162,416**	**$6,500,000**	**$40,880,524**	**$40,182,101**	**$698,423**
HWY SAFETY IMPROVEMENT PGM.						
HSIP - High Risk Rural	**$0**	$579,843		**$579,843**	**$0**	**$579,843**
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	**$1,212,443**	**$2,521,976**		**$3,734,419**	**$3,400,000**	**$334,419**
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	**$1,212,443**	**$164,801**	**$500,000**	**$1,877,244**	**$1,400,000**	**$477,244**
SUB-TOTAL>	**$495,908,483**	**$229,075,925**	**$0**	**$724,984,408**	**$469,441,719**	**$259,401,825**
CMAQ	**$60,820,818**	**$1,823,662**		**$62,644,480**	**$86,600,532**	**$1,823,662**
PLANNING	**$20,038,477**	**$21,628,154**		**$41,666,631**	**$23,800,000**	**$21,628,154**
FEDERAL AID SUB-TOTAL:	**$576,767,778**	**$252,527,742**	**$0**	**$829,295,520**	**$579,842,251**	**$282,853,642**
			$0	**FEDERAL O/A GUIDANCE**	**$600,000,000**	

2016 - 2019 Statewide Transportation Improvement Program
Fiscal Constraint Charts

Federal Fiscal Year 2019

	I	II	III	IV	V	VI
FUNDING CATEGORY	**ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS**	**ESTIMATED BALANCE FROM FY 2018**	**ANTICIPATED TRANSFER OF FUNDS**	**TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY**	**PROGRAMMED OBLIGATIONS**	**ESTIMATED BALANCE REMAINING**
HIGH PRIORITY PROJECTS		**$96,071,604**		**$96,071,604**	**$512,000**	**$95,559,604**
FERRY BOAT DESC		$0		**$0**	**$0**	
SECTION 115 PROJECTS		**$0**		**$0**	**$0**	**$0**
SECTION 117 PROJECTS		**$186,027**		**$186,027**	**$0**	**$186,027**
SECTION 125 PROJECTS		**$0**		**$0**	**$0**	**$0**
MISCELLANEOUS / OTHER / UNDETERMINED	**$0**	**$42,483,457**		**$42,483,457**	**$0**	**$42,483,457**
FEDERAL AID TOTAL >		**$391,268,830**	**$0**	**$968,036,608**	**$580,354,251**	**$421,082,729**
STATE MATCH FOR FEDERAL AID		**$74,282,092**		**$193,607,322**	**$112,180,538**	**$81,426,784**
NON-FEDERAL AID + FEDERAL AID TOTAL >					**$692,534,789**	

NOTES: MISCELLANEOUS / OTHER / UNDETERMINED Apportionment Includes estimated NHPP Exempt.

Fiscal Constraint Analysis 2016								
Federal Funding Source	Carryover	Current Year Available	Programmed Funds	Unprogrammed Funds		State Funding Source	Current Year Available	Programmed Funds	Unprogrammed Funds
5307	$65,869,111	$201,685,280	$119,611,788	$147,942,603		RTACAP	$22,043,791	$22,043,791	$0
5309	$1,654,259	$372,626,000	$372,626,000	$1,654,259		SCA	$22,038,973	$22,038,973	$0
5310	$0	$0	$0	$0		TDC	n/a	$753,508	n/a
5311	$5,495,996	$2,789,286	$2,764,778	$5,520,504		MAP	$0	$0	$0
5337	$7,010,039	$124,745,871	$123,564,061	$8,191,849		Intercity Bus	$0	$0	$0
5339	$3,052,050	$8,076,946	$6,984,876	$4,144,120		Local	$54,032,512	$54,032,512	n/a
	$83,081,455	**$709,923,383**	**$625,551,503**	**$167,453,335**		**Total Non-Federal Aid**	**$98,115,276**	**$98,115,276**	**$0**

Fiscal Constraint Analysis 2017								
Federal Funding Source	Carryover	Current Year Available	Programmed Funds	Unprogrammed Funds		State Funding Source	Current Year Available	Programmed Funds	Unprogrammed Funds
5307	$147,942,603	$203,702,132	$126,246,104	$225,398,631		RTACAP	$64,716,638	$64,716,638	$0
5309	$1,654,259	$375,454,000	$375,454,000	$1,654,259		SCA	$22,502,704	$22,502,704	$0
5310	$0	$0	$0	$0		TDC	n/a	$767,378	n/a
5311	$5,520,504	$2,817,180	$2,523,223	$5,814,461		MAP	$0	$0	$0
5337	$8,191,849	$125,993,330	$123,587,796	$10,597,383		Intercity Bus	$0	$0	$0
5339	$4,144,120	$8,157,714	$6,666,268	$5,635,566		Local	$54,738,723	$54,738,723	n/a
	$167,453,335	**$716,124,356**	**$634,477,391**	**$249,100,300**		**Total Non-Federal Aid**	**$141,958,065**	**$141,958,065**	**$0**

Fiscal Constraint Analysis 2018								
Federal Funding Source	Carryover	Current Year Available	Programmed Funds	Unprogrammed Funds	State Funding Source	Current Year Available	Programmed Funds	Unprogrammed Funds
5307	$225,398,631	$205,739,156	$126,859,382	$304,278,405	RTACAP	$46,479,536	$46,479,536	$0
5309	$1,654,259	$346,101,000	$346,101,000	$1,654,259	SCA	$20,686,378	$20,686,378	n/a
5310	$0	$0	$0	$0	TDC	n/a	$831,286	n/a
5311	$5,814,461	$2,845,350	$2,548,297	$6,111,514	MAP	$0	$0	$0
5337	$10,597,383	$127,253,263	$124,311,768	$13,538,878	Intercity Bus	$0	$0	$0
5339	$5,635,566	$8,239,292	$6,741,368	$7,133,490	Local	$59,065,691	$59,065,691	n/a
	$249,100,300	**$690,178,061**	**$606,561,815**	**$332,716,546**	**Total Non-Federal Aid**	**$126,231,605**	**$126,231,605**	**$0**

Fiscal Constraint Analysis 2019								
Federal Funding Source	Carryover	Current Year Available	Programmed Funds	Unprogrammed Funds	State Funding Source	Current Year Available	Programmed Funds	Unprogrammed Funds
5307	$304,278,405	$207,796,545	$130,107,179	$381,967,771	RTACAP	$20,837,126	$20,837,126	$0
5309	$1,654,259	$0	$0	$1,654,259	SCA	$19,574,304	$19,574,304	$0
5310	$0	$0	$0	$0	TDC	n/a	$709,828	n/a
5311	$6,111,514	$0	$1,719,859	$4,391,655	MAP	$0	$0	$0
5337	$13,538,878	$128,525,797	$123,635,981	$18,428,694	Intercity Bus	$0	$0	$0
5339	$7,133,490	$8,321,684	$7,197,172	$8,258,002	Local	$57,314,663	$57,314,663	n/a
	$332,716,546	**$344,644,026**	**$262,660,191**	**$414,700,381**	**Total Non-Federal Aid**	**$97,726,093**	**$97,726,093**	**$0**

2016-2019 Statewide Bridge Program Advance Construction (AC) Schedule

Total Federal Participating Cost (including State Match)

PROJ #	Description	2016	2017	2018	2019	Total Future / Remaining AC Conversions	Total Federal Participating Cost (Bridge Cost only)
FY15 and Prior Advertisements							
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE	$15,447,468	$1,632,532		$0	**$17,080,000**	**$45,760,082**
600703	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	$5,108,000				**$5,108,000**	**$36,794,555**
605223	FALL RIVER- INTERCHANGE IMPROVEMENTS AT ROUTE I-195/ROUTE 79/ROUTE 138	$1,598,263			$0	**$1,598,263**	**$88,273,263**
602932	LOWELL- BRIDGE REPLACEMENT, L-15-058, VFW HIGHWAY OVER BEAVER BROOK	$6,917,805				**$6,917,805**	**$19,417,805**
606525	ATTLEBORO- SUPERSTRUCTURE REPLACEMENT, A-16-053, I-95 (NB & SB) OVER NORTH AVENUE	$9,364,839	$496,570			**$9,861,409**	**$22,361,409**
	Scheduled AC Conversions	**$38,436,375**	**$2,129,102**	**$0**	**$0**	**$40,565,477**	**$212,607,114**
FY16 Advertisements							
600867	BOSTON- BRIDGE REHABILITATION, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	$9,074,000	$7,109,795		$0	**$7,109,795**	**$16,183,795**
606553	HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET)	$29,000,000	$12,955,600			**$12,955,600**	**$41,955,600**
	Scheduled AC Conversions	**$0**	**$20,065,395**	**$0**	**$0**	**$20,065,395**	**$58,139,395**
FY17 Advertisements							
604952	LYNN-SAUGUS: ROUTE 107 OVER SAUGUS RIVER		$6,800,000	$18,800,000	$12,800,000	**$38,200,000**	**$45,000,000**
604173	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER		$12,984,000	$36,000,000	$34,504,000	**$99,716,000**	**$112,700,000**
	Scheduled AC Conversions	**$0**	**$0**	**$54,800,000**	**$47,304,000**	**$137,916,000**	**$157,700,000**
FY18 Advertisements							
605306	HAVERHILL- SUBSTRUCTURE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER			$27,250,000	$15,470,000	**$29,178,400**	**$56,428,400**
	Scheduled AC Conversions	**$0**	**$0**	**$0**	**$15,470,000**	**$29,178,400**	**$56,428,400**
FY19 Advertisements							
606552	NORTHAMPTON - BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD				$29,536,000	**$23,423,536**	**$52,959,536**
	Scheduled AC Conversions	**$0**	**$0**	**$0**	**$0**	**$23,423,536**	**$52,959,536**
	FISCAL YEAR FEDERAL AID TOTALS:	$76,510,375	$41,978,497	$82,050,000	$92,310,000		
	NON - FEDERAL AID (TO BE CONVERTED TO FED. AID BY A/C CONVERSIONS AS SHOWN ABOVE)	**$38,436,375**	**$22,194,497**	**$54,800,000**	**$62,774,000**	**$178,204,872**	

This schedule displays the projects for which the funding is obligated over two or more years. The first year of obligation is shaded and is not included in the Scheduled AC Conversions totals. Future years in which the AC funds will be obligated are left unshaded, but are included in the Scheduled AC Conversions totals.

2016-2019 Statewide Category Programs Advance Construction (AC) Schedule

Total Federal Participating Cost (including State Match)

PROJ #	Description	2016	2017	2018	2019	Total Future / Remaining AC Conversions	Total Federal Participating Cost
FY15 and Prior Advertisements							
607731	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION) NHPP and STP	$ 84,493,750	$ 9,000,000			$ 93,493,750	$ 195,884,554
607424	STATEWIDE- ITS ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS) SOFTWARE	$ 731,000	$ 4,138,423			$ 4,869,423	$ 11,200,000
607484	DISTRICT 3- INSTALLATION OF CCTV CAMERAS AND VMS ON I-290 BETWEEN I-495 AND I-90	$ 4,040,000				$ 4,040,000	$ 6,540,000
607483	DISTRICT 5- ITS CAMERA & VMS CONSTRUCTION ON ROUTE 24, FROM RANDOLPH TO FALL RIVER (39 MILES)	$ 3,778,000				$ 3,778,000	$ 5,500,000
82865	MASSRIDES - TRAVEL OPTIONS PROGRAM (includes Safe Routes to Schools)	$ 3,414,415	$ 3,497,380	$ 3,501,178	$ 3,546,160	$ 13,959,133	$ 19,812,378
RTA001	BUSPLUS ROUTE 2 & COMMUTER SERVICE	$ 2,900,000				$ 2,900,000	$ 5,800,000
606927	STATEWIDE- REPLACEMENT OF VARIABLE MESSAGE SIGNS (VMS)	$ 3,464,000				$ 3,464,000	$ 4,264,000
	Scheduled AC Conversions	**$ 102,821,165**	**$ 16,635,803**	**$ 3,501,178**	**$ 3,546,160**	**$ 126,504,306**	**$ 254,500,932**
FY16 Advertisements							
607960	ASHBURNHAM- INTERSECTION IMPROVEMENTS AT ROUTE 101 & WILLIAMS & COREY HILL ROAD	$ 624,000	$ 624,000			$ 624,000	$ 1,248,000
607482	DISTRICT 4- ITS CONSTRUCTION ON I-93, FROM WOBURN TO NEW HAMPSHIRE BORDER (21 MILES)	$ 87,000	$ 6,250,000			$ 6,250,000	$ 6,337,000
605733	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	$ 2,500,000	$ 4,500,000	$ 1,250,000		$ 5,750,000	$ 8,250,000
603917	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	$ 15,000,000	$ 2,500,000			$ 2,500,000	$ 17,500,000
	Scheduled AC Conversions		**$ 13,874,000**	**$ 1,250,000**	**$**	**$ 15,124,000**	**$ 33,335,000**
FY17 Advertisements							
608140	DISTRICT 5,6 ITS CONSTRUCTION ON I-95 FROM CANTON TO ATTLEBORO 26.7 MILES		$ 4,061,577	$ 2,650,000		$ 2,650,000	$ 6,711,577
607496	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE II)		$ 8,400,000	$ 9,333,444		$ 9,333,444	$ 17,733,444
607411	TISBURY- BIKE & PEDESTRIAN IMPROVEMENTS ALONG BEACH ROAD, FROM THE TERMINATION OF THE EXISTING SHARED USE PATH WESTERLY TO THE FIVE CORNERS INTERSECTION (SEE MPO AC SCHEDULE ALSO)		$ 1,123,200			$ -	$ 2,431,733
	Scheduled AC Conversions		**$**	**$ 11,983,444**	**$**	**$**	**$ 26,876,754**
FY18 Advertisements							
606381	ARLINGTON- BELMONT- HIGHWAY LIGHTING IMPROVEMENTS ON ROUTE 2			$ 5,750,000	$ 3,700,000	$ 3,700,000	$ 9,450,000
	Scheduled AC Conversions		**$**	**$**	**$ 3,700,000**	**$ 3,700,000**	**$ 9,450,000**
	FISCAL YEAR FEDERAL AID TOTALS:	**$121,032,165**	**$44,094,580**	**$22,484,622**	**$7,246,160**		
	NON - FEDERAL AID (TO BE CONVERTED TO FED. AID BY A/C CONVERSIONS AS SHOWN ABOVE)	**$ 102,821,165**	**$ 30,509,803**	**$ 16,734,622**	**$ 7,246,160**	**$ 157,311,750**	

2016-2019 MPO Projects Advance Construction (AC) ScheduIH

Total Federal Participating Cost (including State Match)

PROJ #	REGION		2016	2017	2018	2019	Total Future / Remaining AC Conversions	Total Federal Participating Cost
FY15 and Previous Advertisements								
602280	BERK	DALTON- RECONSTRUCTION OF HOUSATONIC STREET, FROM ROUTE 8 & 9 TO ROUTE 8. CMAQ, STP	$ 4,744,248	$ 340,591			**$ 5,084,839**	**$ 11,181,142**
603711	BOS	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V). NHPP and STP	$ 29,626,133	$ 13,360,000	$ 13,168,183		**$ 86,154,316**	**$ 168,946,618**
601657	FRCOG	MONTAGUE- RECONSTRUCTION ON GREENFIELD ROAD, FROM 195' SOUTH OF SHERMAN DRIVE TO HATCHERY RD (2.0 MILES)	$ 2,549,715				**$ 2,549,715**	**$ 5,329,890**
604960	MRPC	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES) STP, TAP	$ 2,659,241				**$ 2,659,241**	**$ 5,494,460**
607586	MVC	EDGARTOWN-OAK BLUFFS-TISBURY RESURFACING & RELATED WORK ON EDGARTOWN/VINEYARD HAVEN ROAD	$ 541,128				**$ 541,128**	**$ 1,033,286**
605114	MVPC	GROVELAND -REHABILITATION OF ROUTE 97 (SCHOOL STREET & SALEM STREET). STP	$ 2,040,502				**$ 2,040,502**	**$ 6,200,400**
606433	NAN	NANTUCKET- MULTI-USE PATH CONSTRUCTION, FROM WASHINGTON STREET TO ORANGE STREET	$ 362,029				**$ 362,029**	**$ 1,286,861**
601426	NMCOG	BILLERICA-RECONSTRUCTION OF ALLEN ROAD	$ 2,976,437				**$ 2,976,437**	**$ 6,688,576**
604957	OCPC	PEMBROKE- RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO WASHINGTON STREET (ROUTE 53)	$ 2,455,008				**$ 2,455,008**	**$ 9,187,877**
NONE	PVPC	SPRINGFIELD - UNION STATION REDEVELOPMENT	$ 750,873				**$ 750,873**	**$ 13,066,843**
		Scheduled AC Conversions	**$ 48,705,314**	**$ 13,360,000**	**$ 13,168,183**	**$**	**$ 100,489,249**	**$ 217,234,811**
FY16 Advertisements								
29492	BOS	BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III). STP + $1M of NMCOG funding	$ 21,691,442	$ 6,604,906			**$ 6,604,906**	**$ 28,296,348**
1569	BOS	GREEN LINE EXTENSION PROJECT (PHASE 2) COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16. CMAQ + STP	$ 8,100,000	$ 29,900,000	$ 40,000,000	$ 40,000,000	**$ 109,900,000**	**$ 118,000,000**
601630	BOS	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA). HSIP, STP, HPP	$ 13,400,000	$ 19,021,760	$ 21,031,758	$ 6,600,000	**$ 46,653,518**	**$ 60,053,518**
201601	CCC	BARNSTABLE - HYANNIS VILLAGER DEMONSTATION	$ 659,100	$ 685,464	$ 711,828		**$ 1,397,292**	**$ 2,056,392**
		Scheduled AC Conversions	**$**	**$ 56,212,130**	**$ 61,743,586**	**$ 46,600,000**	**$ 164,555,716**	**$ 208,406,258**
FY17 Advertisements								
606233	BERK	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER). CMAQ, HSIP, STP		$ 2,888,152	$ 4,495,848		**$ 4,495,848**	**$ 7,384,000**
117106	SRPEDD	WAREHAM- RECONSTRUCTION OF ROUTE 6 & 28, FROM 500 FT. EAST OF TYLER AVENUE TO EAST OF RED BROOK ROAD		$ 14,000,000	$ 2,935,867		**$ 2,935,867**	**$ 16,935,867**
606507	FRCOG	CHARLEMONT- ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM MM 29.5 TO MM 31.0		$ 4,198,835	$ 1,261,165		**$ 1,261,165**	
607411	MVC	TISBURY - BIKE AND PED IMPROVEMENTS ALONG BEACH ROAD FROM THE TERMINATION OF THE EXISTING SHARED USE PATH WESTERLY TO THE FIVE CORNERS INTERSECTION. CMAQ + HSIP + STATEWIDE CMAQ. See Statewide List		$ 640,318	$ 668,215		**$ 668,215**	**$ 2,431,733**
		Scheduled AC Conversions	**$**	**$**	**$ 9,361,095**	**$**	**$ 9,361,095**	**$ 26,751,600**

2016-2019 MPO Projects Advance Construction (AC) Schedule

Total Federal Participating Cost (including State Match)

PROJ #	REGION		2016	2017	2018	2019	Total Future / Remaining AC Conversions	Total Federal Participating Cost
FY18 Advertisements								
602418	MVPC	AMESBURY - RECONSTRUCTION OF ELM STREET. STP			$ 2,390,107	$ 6,687,039	**$ 6,687,039**	**$ 9,077,146**
603371	FRCOG	ORANGE- RECONSTRUCTION OF NORTH MAIN STREET, FROM SCHOOL STREET TO LINCOLN AVENUE (0.4 MILES) INCL RELOCATION OF FALL HILL BROOK CULVERT			$ 2,337,518	$ 2,494,207	**$ 2,494,207**	**$ 4,831,725**
		Scheduled AC Conversions	**$**	**$**	**$**	**$ 9,181,246**	**$ 9,181,246**	**$ 13,908,871**
FY19 Advertisements								
608142	MVC	OAK BLUFFS -CONSTRUCTION OF A SHARED USE PATH (SUP) ALONG BEACH ROAD, EASTVILLE AVENUE, TOWANICUT STREET AND NEW YORK AVE.				$ 668,216	**$ 331,784**	**$ 1,000,000**
607319	CCC	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.				$ 5,000,000	**$ 4,570,000**	**$ 9,570,000**
		Scheduled AC Conversions	**$**	**$**	**$**	**$ 5,668,216**	**$ 4,901,784**	**$ 10,570,000**
		FISCAL YEAR FEDERAL AID TOTALS:	**$92,555,856**	**$91,299,435**	**$89,000,489**	**$61,449,462**		
		NON - FEDERAL AID (TO BE CONVERTED TO FED. AID BY A/C CONVERSIONS AS SHOWN ABOVE)	**$ 48,705,314**	**$ 69,572,130**	**$ 84,272,864**	**$ 55,781,246**	**$ 258,331,554**	

Summary of Operating and Maintenance Expenditures as of May 31, 2015

Program Group/Sub Group	Est. SFY 2013 Spending	Est. SFY 2014 Spending	SFY 2015 Spending to YTD
Statewide Contracts - Part 1: Non Federal Aid			
Section I Non Federal Aid Maintenance Projects - State Bondfunds			
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	
Bridge Replacement (Excluded)	n/a	n/a	
Bridge Reconstruction/Rehab	$ -	$ 347,455	$ 1,265,662
Drawbridge Maintenance	$ 2,605,807	$ 6,067,658	$ 4,640,459
Structures Maintenance	$ 35,499,934	$ 35,863,695	$ 21,479,568
02 - Bridge Painting			
Painting - Structural	$ -	$ 986,521	$ 1,025,289
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon. - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	$ 2,162,734	$ 1,014,867	$ 68,651
Hwy Reconstr - No Added Capacity	$ -	$ -	$ -
Hwy Reconstr - Minor Widening	$ -	$ -	$ -
Hwy Reconstr - Major Widening	$ -	$ -	$ -
04 - Roadway Resurfacing			
Resurfacing	$ 11,448,033	$ 28,199,309	$ 10,099,127
05 - Intersection & Safety			
Impact Attenuators	$ 343,745	$ 249,117	$ -
Safety Improvements	$ -	$ -	$ -
Traffic Signals	$ 2,673,645	$ 3,387,510	$ -
06 Signs & Lighting			
Electrical	$ 1,276,874	$ 1,696,432	$ -
Sign Installation / Upgrading	$ 609,383	$ 820,766	$ -
Structural Signing	$ 301,908	$ 613,184	$ -
07 - Guardrail			
Guard Rail and Fencing	$ 2,388,637	$ 3,228,154	$ -
08 - Maintenance			
Catch Basin Cleaning	$ 5,020,329	$ 5,248,686	$ -
Crack Sealing	$ 5,015,414	$ 4,174,687	$ -
Landscaping	$ 526,601	$ 8,638,052	$ -
Mowing and Spraying	$ 4,063,711	$ 5,033,678	$ -
Pavement Marking	$ 73,726	$ 415,993	$ -
Sewer and Water	$ 3,942,801	$ 4,318,298	$ -
Process/Recycle/Trnsprt Soils	$ -	$ -	$ -
Contract Hwy Maint.	$ 13,349	$ 183,428	$ -
09 - Facilities			
Chemical Storage Sheds	$ 551,735	$ 849,029	$ -
Vertical Construction	$ 5,224,912	$ 4,290,212	$ -
10 - Bikeways (Excluded)	**n/a**	**n/a**	**n/a**
11 - Other			
Demolition	$ -	$ -	$ -
Drilling & Boring	$ 25,313	$ -	$ -
Highway Sweeping	$ 570,558	$ 698,618	$ -
Intelligent Transportation System	$ 823,727	$ 86,025	$ -
Marine Construction	$ -	$ -	$ -
Miscellaneous / No prequal	$ 1,898,989	$ 1,928,892	$ -
Reclamation	$ -	$ -	$ -
Underground Tank Removal Replace	$ 32,754	$ -	$ -
Hazardous Waste Remediation	$ 1,860,342	$ 53,415	$ -
Unknown	$ 481,028	$ 517,930	$ -
Section I Total:	**$ 89,435,989**	**$ 118,911,609**	**$ 38,578,757**
Section II Non Federal Aid Highway Operations - State Operating Budget Funding			
12 - Snow and Ice Operations & Materials			
Snow and Ice Operations & Materials	$ 92,067,574	$ 119,915,309	$ 131,541,859
13 - District Maintenance Payroll	**$ 22,943,817**	**$ 24,367,401**	**20960540.97**
Mowing, Litter Mngmnt, Sight Clearing, Etc.	$ 22,943,817	$ 24,367,401	$ 20,960,541
Section II Total:	**$ 115,011,391**	**$ 144,282,710**	**$ 152,502,400**
Grand Total NFA:	**$ 204,447,380**	**$ 263,194,319**	**$ 191,081,156**

Summary of Operating and Maintenance Expenditures as of May 31, 2015

Program Group/Sub Group	Est. SFY 2013 Spending	Est. SFY 2014 Spending	SFY 2015 Spending to YTD
State Total Part 1: Non Federal Aid			
Section I Non Federal Aid Maintenance Projects - State Bondfunds			
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	$ 56,265,484	$ 32,866,246	$ 24,647,320
Drawbridge Maintenance	$ 9,762,345	$ 6,610,436	$ 4,780,533
Structures Maintenance	$ 65,376,829	$ 57,494,929	$ 43,054,188
02 - Bridge Painting			
Painting - Structural	$ 1,988,410	$ 1,802,124	$ 2,150,134
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon.- Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	$ 3,262,714	$ 1,062,108	$ 101,475
Hwy Reconstr - No Added Capacity	$ 35,442	$ 1,068,476	$ 11,192
Hwy Reconstr - Minor Widening	$ 6,947	$ 55,822	$ 40,858
Hwy Reconstr - Major Widening	$ 47,992	$ 2,307,528	$ 2,382,899
04 - Roadway Resurfacing			
Resurfacing	$ 12,311,850	$ 28,625,065	$ 18,522,945
05 - Intersection & Safety			
Impact Attenuators	$ 343,745	$ 249,117	$ -
Safety Improvements	$ 4,896	$ -	$ -
Traffic Signals	$ 2,673,645	$ 3,387,510	$ -
06 Signs & Lighting			
Electrical	$ 1,277,590	$ 1,739,487	$ -
Sign Installation / Upgrading	$ 632,242	$ 820,766	$ -
Structural Signing	$ 301,908	$ 613,184	$ -
07 - Guardrail			
Guard Rail and Fencing	$ 2,740,920	$ 3,228,154	$ -
08 - Maintenance			
Catch Basin Cleaning	$ 5,020,329	$ 5,248,686	$ -
Contract Highway Maintenance	$ 5,035,407	$ 4,174,687	$ -
Crack Sealing	$ 526,601	$ 8,638,052	$ -
Landscaping	$ 4,064,397	$ 5,033,678	$ -
Mowing and Spraying	$ 73,726	$ 415,993	$ -
Pavement Marking	$ 4,044,288	$ 4,322,118	$ -
Process/Recycle/Trnsport Soils	$ 1,148	$ 384,871	$ -
Sewer and Water	$ 13,349	$ 183,428	$ -
09 - Facilities			
Chemical Storage Sheds	$ 578,900	$ 849,029	$ -
Vertical Construction	$ 7,124,346	$ 16,197,682	$ -
10 - Bikeways (Excluded)	**n/a**	**n/a**	**n/a**
11 - Other			
Demolition	$ 2,282,970	$ 254,325	$ -
Drilling & Boring	$ 25,313	$ -	$ -
Highway Sweeping	$ 570,558	$ 698,618	$ -
Intelligent Transportation System	$ 961,221	$ 91,118	$ -
Marine Construction	$ -	$ -	$ -
Miscellaneous / No prequal	$ 3,593,025	$ 2,289,765	$ -
Reclamation	$ -	$ -	$ -
Underground Tank Removal Replace	$ 32,754	$ -	$ -
Hazardous Waste Remediation	$ 1,860,342	$ 53,415	$ -
Unknown	$ 481,028	$ 517,930	$ -
Section I Total:	**$ 193,322,660**	**$ 191,284,345**	**$ 95,691,543**
Section II Non Federal Aid Highway Operations - State Operating Budget Funding			
12 - Snow and Ice Operations & Materials			
Snow and Ice Operations & Materials	$ 92,067,574	$ 119,915,309	$ 131,541,859
13 - District Maintenance Payroll	**$ 22,943,817**	**$ 24,367,401**	**$ 20,960,541**
Mowing, Litter Mngmnt, Sight Clearing, Etc.	$ 22,943,817	$ 24,367,401	$ 20,960,541
Section II Total:	**$ 115,011,391**	**$ 144,282,710**	**$ 152,502,400**
Grand Total NFA:	**$ 308,334,052**	**$ 335,567,055**	**$ 248,193,943**

Summary of Operating and Maintenance Expenditures as of May 31, 2015

Program Group/Sub Group	Est. SFY 2013 Spending	Est. SFY 2014 Spending	SFY 2015 Spending to YTD
Statewide Contracts - Part 2: Federal Aid			
Section I Federal Aid Maintenance Projects			
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	
Bridge Replacement (Excluded)	n/a	n/a	
Bridge Reconstruction/Rehab	$ -	$ -	$ -
Drawbridge Maintenance	$ -	$ -	$ -
Structures Maintenance	$ 788,063	$ 2,363,766	$ 4,775,569
02 - Bridge Painting			
Painting - Structural	$ -	$ -	$ -
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon. - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	$ -	$ 1,198,567	$ 1,737,926
Hwy Reconstr - No Added Capacity	$ -	$ 148,014	$ 488,054
Hwy Reconstr - Minor Widening	$ -	$ -	$ -
Hwy Reconstr - Major Widening	$ -	$ -	$ -
04 - Roadway Resurfacing			
Resurfacing	$ 1,160,946	$ -	$ 52,172
05 - Intersection & Safety			
Impact Attenuators	$ -	$ -	$ -
Safety Improvements	$ -	$ -	$ -
Traffic Signals	$ -	$ -	$ -
06 Signs & Lighting			
Electrical	$ 366,192	$ 1,847,736	$ -
Sign Installation / Upgrading	$ 172,664	$ 4,885	$ -
Structural Signing	$ -	$ -	$ -
07 - Guardrail			
Guard Rail and Fencing	$ -	$ -	$ -
08 - Maintenance			
Catch Basin Cleaning	$ -	$ -	$ -
Contract Highway Maintenance	$ 4,151,018	$ 3,293,626	$ -
Crack Sealing	$ -	$ -	$ -
Landscaping	$ -	$ -	$ -
Mowing and Spraying	$ -	$ -	$ -
Pavement Marking	$ 318,169	$ 133,236	$ -
Process/Recycle/Trnsport Soils	$ -	$ -	$ -
Sewer and Water	$ -	$ -	$ -
09 - Facilities			
Chemical Storage Sheds	$ -	$ -	$ -
Vertical Construction	$ 14,336	$ 871	$ -
10 - Bikeways (Excluded)	**n/a**	**n/a**	**n/a**
11 - Other			
Demolition	$ -	$ -	$ -
Drilling & Boring	$ 7,887	$ 916	$ -
Highway Sweeping	$ -	$ -	$ -
Intelligent Transportation System	$ 3,298,036	$ 3,714,508	$ -
Marine Construction	$ -	$ -	$ -
Miscellaneous / No prequal	$ -	$ 9,706	$ -
Reclamation	$ -	$ -	$ -
Underground Tank Removal Replace	$ -	$ -	$ -
Unknown	$ -	$ -	$ -
Section I Total:	**$ 10,277,311**	**$ 12,715,830**	**$ 7,053,721**
Section II Federal Aid Highway Operations			
ITS Operations - I-93 HOV Lane Operation and Towing	n/a	n/a	n/a
ITS Operations - Traffic Operations Center (South Boston)	n/a	n/a	n/a
Section II Total	**$**	**$**	**0**
Grand Total Federal Aid:	**$ 10,277,311**	**$ 12,715,830**	**$ 7,053,721**

Summary of Operating and Maintenance Expenditures as of May 31, 2015

Program Group/Sub Group	Est. SFY 2013 Spending	Est. SFY 2014 Spending	SFY 2015 Spending to YTD
State Total Part 2: Federal Aid			
Section I Federal Aid Maintenance Projects			
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	$ 117,251,049	$ 217,388,219	$ 167,605,633
Drawbridge Maintenance	$ -	$ -	$ -
Structures Maintenance	$ 12,109,125	$ 11,550,508	$ 18,517,775
02 - Bridge Painting			
Painting - Structural	$ 74,931	$ 3,779,698	$ 376,731
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon. - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	$ 32,114,608	$ 24,934,492	$ 29,051,768
Hwy Reconstr - No Added Capacity	$ 38,999,446	$ 29,246,785	$ 35,679,113
Hwy Reconstr - Minor Widening	$ 15,246,722	$ 13,920,824	$ 18,695,086
Hwy Reconstr - Major Widening	$ 26,413	$ 1,077,381	$ 1,883,063
04 - Roadway Resurfacing			
Resurfacing	$ 88,343,165	$ 114,689,489	$ 79,257,192
05 - Intersection & Safety			
Impact Attenuators	$ -	$ -	$ -
Safety Improvements	$ 171,570	$ 5,399	$ -
Traffic Signals	$ 12,512,085	$ 5,882,616	$ -
06 Signs & Lighting			
Electrical	$ 1,232,314	$ 2,196,210	$ -
Sign Installation / Upgrading	$ 1,212,793	$ 2,847,640	$ -
Structural Signing	$ 3,098,537	$ 6,417,217	$ -
07 - Guardrail			
Guard Rail and Fencing	$ 1,644,324	$ 1,885,934	$ -
08 - Maintenance			
Catch Basin Cleaning	$ -	$ -	$ -
Contract Highway Maintenance	$ 4,151,018	$ 3,293,626	$ -
Crack Sealing	$ -	$ -	$ -
Landscaping	$ 809,120	$ 58,400	$ -
Mowing and Spraying	$ -	$ -	$ -
Pavement Marking	$ 318,169	$ 133,236	$ -
Process/Recycle/Trnsport Soils	$ -	$ -	$ -
Sewer and Water	$ -	$ -	$ -
09 - Facilities			
Chemical Storage Sheds	$ -	$ -	$ -
Vertical Construction	$ 315,540	$ 12,062	$ -
10 - Bikeways (Excluded)	**n/a**	**n/a**	**n/a**
11 - Other			
Demolition	$ -	$ -	$ -
Drilling & Boring	$ 7,887	$ 916	$ -
Highway Sweeping	$ -	$ -	$ -
Intelligent Transportation System	$ 6,210,680	$ 5,997,614	$ -
Marine Construction	$ 2,565,340	$ 2,655,746	$ -
Miscellaneous / No prequal	$ 5,072,465	$ 437,469	$ -
Reclamation	$ 146,028	$ 15,713	$ -
Underground Tank Removal Replace	$ -	$ -	$ -
Unknown	$ -	$ -	$ -
Section I Total:	**$ 343,633,327**	**$ 448,427,194**	**$ 351,066,362**
Section II Federal Aid Highway Operations			
ITS Operations - I-93 HOV Lane Operation and Towing	$ 550,000	$ 550,000	$ -
ITS Operations - Traffic Operations Center (South Boston)	$ 600,000	$ 600,000	$ -
Section II Total	**$ 1,150,000**	**$ 1,150,000**	**0**
Grand Total Federal Aid:	**$ 344,783,327**	**$ 449,577,194**	**$ 351,066,362**

Appendix 4 – FFY 2015 Project Status

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	Bridge Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
ADVERTISED ORIGINAL STIP												
Berkshire	606544	LENOX- PITTSFIELD- RESURFACING AND RELATED WORK ON ROUTE 7/20	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$3,485,896.80	1ST QTR	District 1	ADVERTISED
Berkshire	607510	SANDISFIELD- BRIDGE MAINTENANCE, S-03-033, ROUTE 8 (SOUTH MAIN STREET) OVER W. BRANCH FARMINGTON RIVER (PHASE II)	Structures Maintenance	STATE	100%	APPROVED	NONE ISSUED	CLEAR	$710,061.00	3RD QTR	District 1	ADVERTISED
Berkshire	605887	SHEFFIELD- GREAT BARRINGTON- RESURFACING & RELATED WORK ON ROUTE 7 (MM 0.0 TO MM 9.38)	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$6,354,095.18	1ST QTR	District 1	ADVERTISED
Boston	607891	BEVERLY- RESURFACING AND RELATED WORK ON ROUTE 128	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$5,938,411.15	1ST QTR	District 4	ADVERTISED
Boston	608019	Boston- ADVANCED UTILITY RELOCATIONS FOR BRIDGE B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	Utilities	MUNICIPAL	100%	NA	NONE ISSUED	CLEAR	$6,573,447.25	3RD QTR	District 6	ADVERTISED
Boston	606997	BRAINTREE- MANSFIELD- MILTON- WEYMOUTH- STORMWATER RETROFITS ON I-93, I-495, ROUTE 3 & ROUTE 53	Sewer and Water	STATE	100%	NA	NONE ISSUED	CLEAR	$1,579,588.00	3RD QTR	District 6	ADVERTISED
Boston	607174	CHELSEA- REVERE- MALDEN- SAUGUS- RESURFACING & RELATED WORK ON ROUTE 1	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$10,818,958.15	2ND QTR	District 4	ADVERTISED
Boston	605883	DEDHAM- BRIDGE REPLACEMENT, D-05-003 (33K), NEEDHAM STREET OVER GREAT DITCH	Bridge Replacement	STATE	100%	APPROVED	ISSUED	CLEAR	$3,690,648.09	1ST QTR	District 6	ADVERTISED
Boston	607700	DISTRICT 4- HIGHWAY LIGHTING BRANCH CIRCUIT RE-CABLING, FROM SIX (6) LIGHTING LOAD CENTERS ALONG ROUTE I-95 (128), FROM LEXINGTON TO WOBURN	Lighting and Electrical	STATE	100%	NA	NONE ISSUED	CLEAR	$1,680,679.80	1ST QTR	District 4	ADVERTISED
Central Mass	607181	MARLBOROUGH- NORTHBOROUGH- INTERSTATE MAINTENANCE & RELATED WORK ON I-290	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$12,049,743.81	2ND QTR	District 3	ADVERTISED
Central Mass	605964	MILLBURY- BRIDGE REPLACEMENT, M-22-020, ROUTE 146 (NB & SB) OVER WEST MAIN STREET & IMPROVEMENTS ON ROUTE 146 @ ELM STREET, ELMWOOD STREET & WEST MAIN [illegible]	Bridge Replacement	STATE	100%	APPROVED	ISSUED	CLEAR	$2,690,237.55	2ND QTR	District 3	ADVERTISED
Central Mass	604892	WORCESTER- BIKE PATH CONSTRUCTION, FROM TAINTER STREET TO KILBY STREET AND RESURFACING KILBY AND GARDNER STREETS	Hwy Reconstr - Restr and Rehab	MUNICIPAL	100%	APPROVED	ISSUED	CLEAR	$2,948,022.46	1ST QTR	District 3	ADVERTISED
Central Mass	608018	WORCESTER- BLACKSTONE VISITOR CENTER & BIKEWAY EARLY ACTION SITE WORK	Process/Recycle/Trnsprt Soils	STATE	100%	NA	ISSUED	CLEAR	$4,130,532.80	4TH QTR	District 3	ADVERTISED
Central Mass	607518	WORCESTER- BRIDGE MAINTENANCE, W-44-124 (1XF), I-190 OVER ROUTE 12 (NB) & RAMP B	Structures Maintenance	STATE	100%	APPROVED	NONE ISSUED	CLEAR	$1,463,100.00	2ND QTR	District 3	ADVERTISED
Central Mass	605588	WORCESTER- INTERSTATE MAINTENANCE & RELATED WORK ON I-190	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$19,039,932.71	2ND QTR	District 3	ADVERTISED
Franklin	607239	MONTAGUE- CANALSIDE BIKE PATH & PEDESTRIAN CROSSING IMPROVEMENTS, MONTAGUE CITY ROAD AT SOLAR AVENUE & DEPOT STREET (850 FEET)	Bikeway/Bike Path Construction	MUNICIPAL	100%	NA	ISSUED	CLEAR	$785,498.94	1ST QTR	District 2	ADVERTISED
Merrimack Valley	606549	GEORGETOWN- NEWBURY- WEST NEWBURY- NEWBURYPORT- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$21,855,423.50	1ST QTR	District 4	ADVERTISED
Merrimack Valley	607985	LAWRENCE- NORTH ANDOVER- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$7,580,973.92	1ST QTR	District 4	ADVERTISED
Montachusett	604960	CLINTON- RECONSTRUCTION & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	Hwy. Reconstr - Minor Widening	MUNICIPAL	100%	NA	ISSUED	CLEAR	$5,494,460.26	1ST QTR	District 3	ADVERTISED
Northern Middlesex	601426	BILLERICA- RECONSTRUCTION OF ALLEN ROAD, FROM ROUTE 3A TO WEBB BROOK ROAD (5,400 FEET)	Hwy. Reconstr - Minor Widening	MUNICIPAL	100%	NA	ISSUED	CLEAR	$6,040,283.56	4TH QTR	District 4	ADVERTISED
Northern Middlesex	606238	TEWKSBURY- RESURFACING & RELATED WORK ON ROUTE 38	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$2,233,795.00	1ST QTR	District 4	ADVERTISED
Pioneer Valley	606417	CUMMINGTON- RETAINING WALL REPLACEMENT ON ROUTE 9 ADJACENT TO C-21-023 OVER WESTFIELD BROOK	Structures Maintenance	STATE	100%	APPROVED	NONE ISSUED	CLEAR	$1,547,029.00	1ST QTR	District 1	ADVERTISED
Pioneer Valley	607515	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE ON I-391, ROUTE 2, ROUTE 5, ROUTE 9 AND ROUTE 57 CORRIDOR	Structures Maintenance	STATE	100%	APPROVED	NONE ISSUED	CLEAR	$1,799,675.00	2ND QTR	District 2	ADVERTISED
Pioneer Valley	605066	NORTHAMPTON- INTERSECTION IMPROVEMENTS AT ROUTE 5 (PLEASANT STREET) AND CONZ STREET	Traffic Signals	STATE	100%	NA	ISSUED	CLEAR	$2,227,026.39	3RD QTR	District 2	ADVERTISED
Pioneer Valley	607207	PELHAM- RECONSTRUCTION OF AMHERST ROAD, FROM 800 FEET EAST OF ENFIELD ROAD TO ROUTE 202 (2.5 MILES - PHASE II)	Hwy. Reconstr - Minor Widening	MUNICIPAL	100%	NA	ISSUED	CLEAR	$4,355,852.05	1ST QTR	District 2	ADVERTISED
Statewide	607497	Boston- MILTON- SYSTEMATIC MAINTENANCE & STRUCTURAL REPAIRS TO 7 BRIDGES ALONG THE I-93/ US 1/ST 3	Structures Maintenance	STATE	100%	NA	NONE ISSUED	CLEAR	$1,953,115.50	1ST QTR	District 6	ADVERTISED
Statewide	607505	DISTRICT 4- BRIDGE MAINTENANCE ON I-93 & I-495 CORRIDOR	Structures Maintenance	STATE	100%	APPROVED	NONE ISSUED	CLEAR	$2,311,350.00	2ND QTR	District 4	ADVERTISED
Statewide	607509	DISTRICT 5- BRIDGE PRESERVATION ALONG I-495, ROUTE 25, ROUTE 6 & ROUTE 28	Structures Maintenance	STATE	100%	NA	NONE ISSUED	CLEAR	$2,152,500.00	2ND QTR	District 5	ADVERTISED
Statewide	607001	LONGMEADOW- SPRINGFIELD- TEMPLETON- WESTFIELD- STORMWATER RETROFITS ON I-91, ROUTE 5, ROUTE 2 & ROUTE 20	Contract Highway Maintenance	STATE	100%	NA	NONE ISSUED	CLEAR	$913,604.00	3RD QTR	District 2	ADVERTISED
								29	$144,403,941.87			
ADVERTISED AMENDED ONTO STIP												
Boston	606889	Boston- IMPROVEMENTS ALONG GAINSBOROUGH AND ST. BOTOLPH STREETS	Hwy Reconstr-No Added Capacity	MUNICIPAL	100%	NA	ISSUED	CLEAR	$3,277,430.00	2ND QTR	District 6	ADVERTISED NOT ON ORIGINAL STIP
Boston	607839	MEDFORD- CLIPPERSHIP DRIVE PARK CONSTRUCTION	Bikeway/Bike Path Construction	MUNICIPAL	100%	NA	ISSUED	CLEAR	$474,760.80	3RD QTR	District 4	ADVERTISED NOT ON ORIGINAL STIP

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	Bridge Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
Old Colony	608025	BROCKTON- CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), INCLUDING TRAFFIC SIGNALS UPGRADING AT MANLEY STREET AND THE V.A. HOSPITAL	Traffic Signals	STATE	100%	NA	ISSUED	CLEAR	$3,980,577.60	4TH QTR	District 5	ADVERTISED NOT ON ORIGINAL STIP
SE Mass	607314	REHOBOTH- EMERGENCY REPAIR OF CULVERT R-04-002 ON WHEELER STREET	Bridge Reconstruction/Rehab	MUNICIPAL	100%	APPROVED	ISSUED	CLEAR	$1,713,218.95	2ND QTR	District 5	ADVERTISED NOT ON ORIGINAL STIP
								4	$9,445,987.35			
TO BE ADVERTISED ORIGINAL STIP												
Berkshire	602280	DALTON- RECONSTRUCTION OF HOUSATONIC STREET, FROM ROUTE 8 & 9 TO ROUTE 8	Hwy. Reconstr - Minor Widening	MUNICIPAL	100%	NA	ISSUED	CLEAR	$12,416,882.66	4TH QTR	District 1	
Berkshire	605299	GREAT BARRINGTON- BRIDGE REPLACEMENT, G-11-005, SR 183 (PARK STREET) OVER HOUSATONIC RIVER	Bridge Reconstruction/Rehab	STATE	100%	FINAL TO DE	STATE	CE, MESA, ACOE, WQC	$4,301,483.60	4TH QTR	District 1	CONDITIONAL ROW CERT.
Berkshire	607121	SAVOY- SUPERSTRUCTURE REPLACEMENT, S-06-004, RIVER ROAD OVER THE WESTFIELD RIVER	Bridge Reconstruction/Rehab	STATE	100%	FINAL TO DE	MUNICIPAL	ACOE, WQC	$1,811,551.90	4TH QTR	District 1	
Boston	604531	ACTON- MAYNARD- ASSABET RIVER RAIL TRAIL CONSTRUCTION, INCLUDES 2 BRIDGES	Bikeway/Bike Path Construction	MUNICIPAL	75%	FINAL UR	MUNICIPAL	ACOE, CHAP 91	$6,629,436.65	4TH QTR	District 3	CHAPTER 91
Boston	606284	Boston- BROOKLINE- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM ARMORY STREET TO ALCORN STREET	Hwy Reconstr-No Added Capacity	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$17,431,184.04	4TH QTR	District 6	
Boston	606146	CANTON- NORWOOD- WESTWOOD- RAMP CONSTRUCTION ON I-95 (NB) & IMPROVEMENTS ON CANTON STREET/DEDHAM STREET, INCLUDES REPLACEMENT OF C-02-034, REHAB OF C-	Bridge Replacement	STATE	100%	FINAL TO DE	STATE	CHAP 91	$53,014,559.85	4TH QTR	District 6	CONDITIONAL ROW CERT. CHAPTER 91
Boston	607273	Franklin- PEDESTRIAN BRIDGE CONSTRUCTION F-08-005, OLD SR 140 OVER MBTA/CSX	Bridge Replacement	STATE	100%	FINAL UR	NONE ISSUED	CE	$1,193,410.47	4TH QTR	District 3	
Boston	605657	MEDWAY- RECONSTRUCTION ON ROUTE 109, FROM HOLLISTON STREET TO 100 FT. WEST OF HIGHLAND STREET, INCLUDES REHAB OF M-13-012	Hwy. Reconstr - Minor Widening	MUNICIPAL	100%	FINAL TO DE	MUNICIPAL	CLEAR	$13,181,897.40	4TH QTR	District 3	
Boston	607920	MILTON- SAFE ROUTES TO SCHOOL, GLOVER ELEMENTARY SCHOOL IN THE VICINITY OF CANTON AVENUE, BROOKS ROAD AND VOSES LANE	Hwy Reconstr-No Added Capacity	STATE	100%	NA	MUNICIPAL	CLEAR	$1,069,047.25	4TH QTR	District 6	
Boston	605146	SALEM- RECONSTRUCTION ON CANAL STREET, FROM WASHINGTON STREET & MILL STREET TO LORING AVENUE & JEFFERSON AVENUE	Hwy Reconstr-No Added Capacity	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$9,724,080.66	4TH QTR	District 4	
Boston	607892	SOMERVILLE- SAFE ROUTES TO SCHOOL (HEALEY SCHOOL)	Traffic Signals	STATE	100%	NA	STATE	CLEAR	$931,208.75	4TH QTR	District 4	
Boston	604652	STONEHAM- WINCHESTER- WOBURN- TRI-COMMUNICIPALTY BIKEWAY INCLUDING NEW BRIDGE, W-43-029, OVER THE ABERJONA RIVER	Bikeway/Bike Path Construction	MUNICIPAL	100%	SKETCH UR	MUNICIPAL	MEPA, WPA	$5,348,951.00	4TH QTR	District 4	
CAPE COD	606394	BARNSTABLE- INTERSECTION IMPROVEMENTS AT FALMOUTH ROAD (ROUTE 28) AND BEARSES WAY	Hwy Reconstr - Added Capacity	STATE	100%	NA	STATE	ACOE, WQC	$6,850,728.70	4TH QTR	District 5	CONDITIONAL ROW CERT.
Central Mass	607484	DISTRICT 3- INSTALLATION OF CCTV CAMERAS AND VMS ON I-290 BETWEEN I-495 AND I-90	Intelligent Transportation Sys	STATE	75%	NA	NONE	CLEAR	$4,835,382.04	4TH QTR	District 3	
Central Mass	604675	HOLDEN- BRIDGE REPLACEMENT, H-18-020, RIVER STREET OVER QUINAPOXET RIVER	Bridge Replacement	STATE	100%	FINAL UR	ISSUED	CLEAR	$2,301,270.20	4TH QTR	District 3	
Central Mass	606485	MILLBURY- SUTTON- MEDIAN BARRIER REPLACEMENT ON ROUTE 146, FROM ROUTE 122A TO Boston ROAD	Hwy Reconstr-No Added Capacity	STATE	100%	NA	NONE ISSUED	CLEAR	$5,987,950.00	4TH QTR	District 3	
Central Mass	607002	SHIRLEY-UXBRIDGE-WORCESTER - STORMWATER RETROFITS ON ROUTE 2, ROUTE 2A, ROUTE 146 AND ROUTE 122	Hwy Reconstr - Restr and Rehab	STATE	100%	NA	NONE ISSUED	CLEAR	$985,443.11	4TH QTR	District 3	
Central Mass	605972	SOUTHBRIDGE- BRIDGE PRESERVATION, S-21-002, SR 131 (MAIN STREET) OVER QUINEBAUG RIVER	Bridge Reconstruction/Rehab	STATE	100%	FINAL TO DE	ISSUED	CLEAR	$4,644,284.54	4TH QTR	District 3	
Central Mass	606347	STURBRIDGE- RESURFACING AND RELATED WORK ON ROUTE 20, FROM ROUTE 49 TO I-84	Resurfacing	STATE	100%	NA	NONE ISSUED	CLEAR	$2,771,664.58	3RD QTR	District 3	
Central Mass	605559	WARREN- RESURFACING & INTERSECTION IMPROVEMENTS AT ROUTE 67 & ROUTE 19 (TOWN CENTER), INCLUDES REHAB OF W-07-008	Hwy Reconstr - Restr and Rehab	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$1,876,384.10	4TH QTR	District 2	
Franklin	606551	COLRAIN- BRIDGE REPLACEMENT, C-18-028, ST 112 (JACKSONVILLE ROAD) OVER EAST BRANCH OF NORTH RIVER	Bridge Replacement	STATE	100%	FINAL TO DE	STATE	CE, MESA, ACOE, WQC	$9,376,347.85	4TH QTR	District 1	CONDITIONAL ROW CERT.
Franklin	607222	GREENFIELD- INTERSECTION IMPROVEMENTS AT ROUTE 5/10 & CHEAPSIDE STREET	Hwy Reconstr-No Added Capacity	STATE	100%	NA	NONE ISSUED	CLEAR	$608,430.95	3RD QTR	District 2	
Franklin	607117	HAWLEY- BRIDGE REPLACEMENT, H-13-003, SAVOY ROAD OVER THE CHICKLEY RIVER	Bridge Replacement	STATE	75%	FINAL UR	MUNICIPAL	CE, ACOE, WQC, HIST	$1,372,466.42	4TH QTR	District 1	
Martha's Vineyard	607586	EDGARTOWN- OAK BLUFFS- TISBURY- DRAINAGE IMPROVEMENTS & RELATED WORK ON EDGARTOWN/VINEYARD HAVEN ROAD	Resurfacing	STATE	PRE 25%	NA	NONE	CE, WPA	$1,000,000.00	4TH QTR	District 5	
Merrimack Valley	603682	AMESBURY- BRIDGE REPLACEMENT, A-07-026, ROUTE I-495 (NB & SB) OVER THE BIKEWAY (ABANDONED B&M RR LINE)	Bridge Replacement	STATE	100%	FINAL TO DE	NONE ISSUED	CLEAR	$9,310,817.30	4TH QTR	District 4	
Merrimack Valley	605114	GROVELAND- REHABILITATION OF ROUTE 97 (SCHOOL STREET & SALEM STREET)	Hwy Reconstr-No Added Capacity	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$6,571,249.25	4TH QTR	District 4	
Merrimack Valley	606503	NEWBURYPORT- CLIPPER CITY RAIL TRAIL ALONG THE CITY BRANCH (PHASE II)	Bikeway/Bike Path Construction	MUNICIPAL	100%	FINAL TO DE	MUNICIPAL	WQC, CH 91	$4,193,610.97	4TH QTR	District 4	
Montachusett	604928	LEOMINSTER- RECONSTRUCTION OF MECHANIC STREET, FROM LAUREL STREET TO THE LEOMINSTER CONNECTOR	Hwy Reconstr-No Added Capacity	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$4,155,775.30	4TH QTR	District 3	
Montachusett	604838	WINCHENDON- SUPERSTRUCTURE OR BRIDGE REPLACEMENT, W-39-001, HARRIS ROAD OVER TARBELL BROOK	Bridge Replacement	STATE	100%	APPROVED	MUNICIPAL	CLEAR	$3,163,894.80	4TH QTR	District 2	
Nantucket	606433	Nantucket- MULTI-USE PATH CONSTRUCTION, FROM WASHINGTON STREET TO ORANGE STREET	Bikeway/Bike Path Construction	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$1,311,084.05	4TH QTR	District 5	

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	Bridge Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
Northern Middlesex	607123	CHELMSFORD- BRIDGE SUPERSTRUCTURE REPLACEMENT, C-08-048, HUNT ROAD OVER I-495	Bridge Reconstruction/Rehab	STATE	75%	FINAL TO DE	NONE ISSUED	CE	$6,377,442.46	4TH QTR	District 4	
Northern Middlesex	604537	LOWELL- BRIDGE REPLACEMENT, L-15-045, MARKET STREET OVER THE WESTERN CANAL	Bridge Replacement	STATE	75%	SKETCH APPROVED	MUNICIPAL	CE, ACOE, WPA, HIST	$3,449,237.70	4TH QTR	District 4	
Northern Middlesex	602932	LOWELL- BRIDGE REPLACEMENT, L-15-058, VFW HIGHWAY OVER BEAVER BROOK	Bridge Replacement	STATE	75%	FINAL UR	STATE	CE, MESA, ACOE, WQC	$16,131,427.70	4TH QTR	District 4	CONDITIONAL ROW CERT.
Old Colony	604957	PEMBROKE- RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO WASHINGTON STREET (ROUTE 53)	Hwy. Reconstr - Minor Widening	MUNICIPAL	100%	NA	MUNICIPAL	WPA, ACOE, WQC	$8,818,389.80	4TH QTR	District 5	
Pioneer Valley	604035	HADLEY- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 9 (RUSSELL STREET) & ROUTE 47 (MIDDLE STREET)	Traffic Signals	STATE	100%	NA	STATE	CE, 4(f), HIST	$3,997,422.70	4TH QTR	District 2	CONDITIONAL ROW CERT.
Pioneer Valley	605222	SPRINGFIELD- NORTH END & BRIGHTWOOD INFRASTRUCTURE IMPROVEMENTS, FROM OSGOOD STREET TO THE CHICOPEE C.L. (NORTHERLY SEGMENT)	Hwy Reconstr - Restr and Rehab	STATE	100%	NA	MUNICIPAL	CLEAR	$6,202,694.50	4TH QTR	District 2	
Pioneer Valley	603730	WEST SPRINGFIELD- CONNECTICUT RIVERWALK & BIKEWAY EXTENSION, FROM ELM STREET TO DOTY CIRCLE, INCLUDES PEDESTRIAN BRIDGE W-21-020 (2.02 MILES)	Bikeway/Bike Path Construction	MUNICIPAL	100%	NA	MUNICIPAL	WPA, ACOE	$1,307,393.52	4TH QTR	District 2	
SE Mass	606525	ATTLEBORO- BRIDGE REPLACEMENT, A-16-053, I-95 (NB & SB) OVER NORTH AVENUE	Bridge Reconstruction/Rehab	STATE	75%	FINAL UR	NONE	CLEAR	$22,372,125.09	4TH QTR	District 5	
SE Mass	605848	DARTMOUTH- IMPROVEMENTS ON GRAND ARMY OF THE REPUBLIC HIGHWAY (U.S. ROUTE 6) AND FAUNCE CORNER ROAD	Hwy Reconstr - Added Capacity	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$4,398,476.86	4TH QTR	District 5	
SE Mass	603893	DARTMOUTH- PADANARAM BRIDGE CAUSEWAY RECONSTRUCTION, D-04-002, BRIDGE STREET OVER APPONAGANSETT RIVER	Hwy Reconstr-No Added Capacity	MUNICIPAL	100%	FINAL UR	MUNICIPAL	CLEAR	$6,910,304.10	4TH QTR	District 5	
SE Mass	607716	MANSFIELD- SIDEWALK CONSTRUCTION & RELATED WORK ON EAST STREET AT THE JORDAN-JACKSON ELEMENTARY SCHOOL (SRTS)	New Construction	STATE	100%	NA	ISSUED	CLEAR	$976,326.80	4TH QTR	District 5	
SE Mass	605368	NORTH ATTLEBOROUGH- TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS AT EAST WASHINGTON STREET (ROUTE 1), SOUTH WASHINGTON STREET AND HOPPIN HILL ROAD	Traffic Signals	STATE	100%	NA	STATE	CLEAR	$3,477,573.00	4TH QTR	District 5	CONDITIONAL ROW CERT.
SE Mass	604589	NORTON- BRIDGE REPLACEMENT, N-23-017, PLAIN STREET OVER THE CANOE RIVER	Bridge Replacement	STATE	100%	FINAL TO DE	MUNICIPAL	ACOE, WQC	$2,073,162.84	4TH QTR	District 5	
SE Mass	606729	TAUNTON- RECONSTRUCTION ON COUNTY STREET (ROUTE 140), FROM THE ROUTE 24 (SB OFF-RAMP) NORTHERLY TO MOZZONE BOULEVARD	Hwy. Reconstr - Minor Widening	STATE	100%	NA	STATE	CLEAR	$3,554,914.54	4TH QTR	District 5	CONDITIONAL ROW CERT.
SE Mass	606372	WAREHAM- BRIDGE REPLACEMENT, W-06-002, PAPER MILL ROAD OVER WEWEANTIC RIVER	Bridge Replacement	STATE	25%	SKETCH APPROVED	MUNICIPAL	ACOE, WQC	$1,848,984.32	4TH QTR	District 5	
Statewide	607483	DISTRICT 5- ITS CAMERA & VMS CONSTRUCTION ON ROUTE 24, FROM RANDOLPH TO FALL RIVER (39 MILES)	Intelligent Transportation Sys	STATE	100%	NA	NONE ISSUED	CE, HIST, WPA	$5,370,883.20	4TH QTR	District 5	
Statewide	608024	Statewide- CONVERSION OF INTERSTATE AND FREEWAY EXIT NUMBERS TO MILEPOST-BASED	Structural Signing	STATE	25%	NA	NONE	CE, WPA, HIST	$5,922,704.00	4TH QTR	Statewide	
Statewide	607072	Statewide- IMPLEMENTATION (PHASE III) OF THE FLASHING YELLOW ARROW AT SIGNALIZED INTERSECTIONS--ONE OF THE "FHWA NINE PROVEN COUNTERMEASURES"	Unsure	STATE	75%	NA	NONE	CE, WPA, HIST	$1,701,911.60	4TH QTR	Statewide	
								48	$303,261,853.12			
TO BE ADVERTISED AMENDED ONTO STIP												
Berkshire	608071	ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION	Bikeway/Bike Path Construction	STATE	100%	NA	MUNICIPAL	CLEAR	$3,387,068.50	4TH QTR	District 1	NOT ON ORIGINAL STIP
Berkshire	607745	LENOX- INTERSECTION & SIGNAL IMPROVEMENTS AT US 7 & US 20 (VETERAN'S MEMORIAL HIGHWAY) @ SR 183 (WALKER STREET)	Hwy Reconstr - Restr and Rehab	STATE	75%	NA	NONE	CE	$429,105.00	4TH QTR	District 1	NOT ON ORIGINAL STIP
Boston	608131	DANVERS- MEDFORD- STORMWATER IMPROVEMENTS ALONG ROUTE 1/I-95/I-93	Sewer and Water	STATE	75%	NA	STATE	CE	$3,372,592.00	4TH QTR	District 4	NOT ON ORIGINAL STIP
Boston	607209	SOMERVILLE- CAMBRIDGE- RECONSTRUCTION OF BEACON STREET, FROM OXFORD STREET TO CAMBRIDGE C.L.	Hwy Reconstr - Restr and Rehab	MUNICIPAL	100%	NA	MUNICIPAL	CLEAR	$2,587,425.25	4TH QTR	District 4	NOT ON ORIGINAL STIP
Merrimack Valley	608075	LAWRENCE- INTERSECTION IMPROVEMENTS AT LAWRENCE STREET AND PARK STREET	Traffic Signals	MUNICIPAL	25%	NA	MUNICIPAL	CLEAR	$1,182,145.90	4TH QTR	District 4	NOT ON ORIGINAL STIP
Merrimack Valley	607776	NORTH ANDOVER- SAFE ROUTES TO SCHOOL (NORTH ANDOVER MIDDLE SCHOOL)	Landscaping	STATE	100%	NA	MUNICIPAL	CLEAR	$1,473,678.50	4TH QTR	District 4	NOT ON ORIGINAL STIP
SE Mass	608087	BROCKTON- PEDESTRIAN IMPROVEMENTS AT VARIOUS LOCATIONS	Miscellaneous/No Prequal	STATE	PRE 25%	NA	STATE	CE, HIST, WPA	$625,000.00	4TH QTR	District 5	NOT ON ORIGINAL STIP
SE Mass	608132	MANSFIELD- SWANSEA- SOMERSET- NEW BEDFORD- STORMWATER IMPROVEMENTS ALONG I-495 AND I-195	Sewer and Water	STATE	100%	NA	NONE ISSUED	CE	$2,348,758.40	4TH QTR	District 5	NOT ON ORIGINAL STIP
Statewide	608152	DISTRICT 4- HIGH FRICTION SURFACE TREATMENT AND RELATED WORK AT 3 LOCATIONS	Resurfacing	STATE	75%	NA	MUNICIPAL	CE, HIST, WPA	$2,280,000.00	4TH QTR	District 4	NOT ON ORIGINAL STIP
Statewide	608269	DISTRICTS 4- DISTRICT 6- IMPLEMENTATION OF FLASHING YELLOW ARROWS	Traffic Signals	STATE	PRE 25%	NA	NONE	CE, HIST	$400,000.00	4TH QTR	Statewide	NOT ON ORIGINAL STIP
								10	$18,085,773.55			

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	Bridge Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
OBLIGATED NOT A CHAPTER 30 PROCUREMENT ORIGINAL												
Statewide	606930	BRAINTREE- QUINCY- Boston- HOV LANE TOW TRUCK SERVICES & BTV OPERATOR CONTRACT	Intelligent Transportation Sys	STATE	100%	NA	NONE	CLEAR	$2,249,975.00	2ND QTR	District 6	
Statewide	606931	BRAINTREE- QUINCY- Boston- HOV LANE TOW TRUCK SERVICES & BTV OPERATOR CONTRACT	Intelligent Transportation Sys	STATE	100%	NA	NONE	CLEAR	$2,160,000.00	2ND QTR	District 6	
								2	**$4,409,975.00**			
							TOTAL ADVERTISED AND TO BE ADVERTISED	**93**	**$479,607,530.89**			
WILL NOT BE ADVERTISED IN FFY 2015 ORIGINAL												
Berkshire	607900	PITTSFIELD- TRAFFIC SIGNAL AND INTERSECTION IMPROVEMENTS AT CENTER STREET AND WEST HOUSATONIC STREET (ROUTE 20)	Traffic Signals	STATE	PRE 25%	NA	NONE	CE, WPA, HIST	$1,470,000.00		District 1	DESIGN IS PRE-25%
Boston	606134	Boston- TRAFFIC SIGNAL IMPROVEMENTS ON BLUE HILL AVENUE AND WARREN STREET	Traffic Signals	MUNICIPAL	25%	NA	MUNICIPAL	CE	$3,638,090.26		District 6	DESIGN IS AT 25%
Boston	603008	WOBURN- BRIDGE REPLACEMENT, W-43-003, SALEM STREET OVER MBTA	Bridge Replacement	STATE	25%	SKETCH APPROVED	STATE	CLEAR	$4,965,327.27		District 4	DESIGN IS AT 25%. STATE ROW PROCESS.
CAPE COD	607571	DENNIS- YARMOUTH- CONSTRUCTION OF A MULTI-USE PATH OVER THE BASS RIVER, INCLUDES NEW PEDESTRIAN BRIDGE D-07-007=Y-01-010	Bridge Replacement	MUNICIPAL	75%	SKETCH TO DE	MUNICIPAL	ACOE, CZM, CG, CHAP 91	$2,403,106.40		District 5	POSSIBLE FEMA REVISION REQUIRED.
CAPE COD	606461	ORLEANS- INTERSECTION IMPROVEMENTS AT 2 LOCATIONS: CRANBERRY HIGHWAY (ROUTE 6A) AND MAIN STREET; CHATHAM ROAD (ROUTE 28) AND MAIN STREET.	Traffic Signals	STATE	100%	NA	STATE	CE, 4(f), HIST	$3,411,039.74		District 5	STATE ROW ACQUISITION PROCESS
Central Mass	606686	WARREN- RESURFACING & RELATED WORK ON ROUTE 67 @ WEST WARREN & WARREN TOWN CENTERS	Resurfacing	STATE	100%	NA	STATE	CE, 4(F), WPA, HIST	$1,194,168.89		District 2	STATE ROW ACQUISITION PROCESS
Central Mass	606629	WORCESTER- BLACKSTONE VISITOR CENTER	Vertical Construction (Ch 149)	STATE	25%	NA	STATE	CE, WPA, HIST	$8,908,667.85		District 3	CHAPTER 30 SITE WORK ADV IN 2015. CHAPTER 149 IN 2016
Central Mass	606434	WORCESTER- MAIN STREET BUSINESS DISTRICT STREETSCAPE IMPROVEMENTS	Resurfacing	MUNICIPAL	25%	NA	MUNICIPAL	CE, HIST	$6,977,015.00		District 3	DESIGN IS AT 25%
Merrimack Valley	606669	AMESBURY- POWWOW RIVERWALK CONSTRUCTION, MAIN STREET TO WATER STREET, INCLUDES PED BRIDGE OVER THE BACK RIVER & PED BRIDGE OVER THE POWWOW RIVER	Bikeway/Bike Path Construction	MUNICIPAL	25%	TYPE UR	MUNICIPAL	CE, WPA, ACOE, WQC, CH 91, HIST	$1,870,218.26		District 4	DESIGN IS AT 25%
Montachusett	607347	GARDNER- BIKE PATH CONSTRUCTION, NORTH CENTRAL PATHWAY (PHASE VI)	Bikeway/Bike Path Construction	MUNICIPAL	PRE 25%	NA	MUNICIPAL	CE, WPA, HIST	$1,000,000.00		District 3	DESIGN IS PRE-25%
Pioneer Valley	607869	WILBRAHAM- RECONSTRUCTION OF Boston ROAD (ROUTE 20), FROM DUDLEY STREET TO 400 FT. EAST OF DUMAINE STREET (0.28 MILES)	Hwy. Reconstr - Minor Widening	MUNICIPAL	100%	NA	STATE	CE, WPA	$1,292,427.80		District 2	STATE ROW ACQUISITION PROCESS
Statewide	606927	Statewide- REPLACEMENT OF VARIABLE MESSAGE SIGNS (VMS)	Intelligent Transportation Sys	STATE	PRE 25%	NA	NONE	CE, HIST	$4,260,000.00		Statewide	FUNDS TO BE APPLIED TO 607483
								12	**$41,390,061.47**			

ADVERTISED ORIGINAL STIP	**29**	**$144,403,941.87**
ADVERTISED AMENDED	**4**	**$9,445,987.35**
OBLIGATED NOT CHAPTER 30 ORIGINAL	**2**	**$4,409,975.00**
TO BE ADVERTISED ORIGINAL	**48**	**$303,261,853.12**
TO BE ADVERTISED AMENDED	**10**	**$18,085,773.55**
TOTAL ADVERTISEMENTS	**93**	**$479,607,530.89**

Appendix 5 – Public Comments

After the close of the public comment period on August 25, 2015, MassDOT will address comments received here.

1. **From Scott White via email** (text copied from email message)**:**
   Dear Planners,

   First, let me commend you for tackling these most complex and demanding planning concerns, and reaching out to citizens for our input. I'll focus my comments on Route 6 in Eastham, and try to illuminate our most urgent problems which need immediate action.

   1. Route 6 in Eastham is of anomalous design, a legacy of 1930's state highway policy.

   2.The two way, two lane, Dennis to Orleans, (50 MPH limit)-, limited access 13 mile section of Rt. 6 feeds all freight and passenger traffic into the FOUR lane , local access Eastham section, speed limit 40 MPH.

   3. Despite our hard fought for, hard won 40 MPH speed limit, (yr.2000), frustrated drivers burst through , speeding dangerously, after being " bottled up" for 13 miles, a dangerous and largely unregulated condition, threatening residents and visitors alike.

   4. Similarly, the Wellfleet section of Rt. 6 is ALSO a two lane two way roadway, resulting in an identical result, as frustrated speeding drivers burst through into Eastham's FOUR lane, local access segment causing dangerous, unregulated traffic conditions, just when the posted state speed limit lowers to 40 MPH, from 45 MPH.

   5. Umass/DOT study of 1988 described all the conditions, and solutions available, suggesting at minimum, installing traffic signals, to create gaps in through traffic, allowing entry to the roadway. Conditions are identical today, with the exception of an inexorable increase in volume of traffic.

   6. Failure to IMPLEMENT those recommendations, has resulted in an ongoing burden on the residents of Eastham, and a crisis of Public Safety.

   7. The result is a violation of Title VI, in the form of discrimination against the residents, as a class,:(low-income;)- whose safety and well being has been compromised , in favor of the convenience, and rights of the ever increasing through traffic to more favored communities, north of the Town of Eastham.

   8. Specifically, the plan to install a " Bicycle Pedestrian Only" traffic signal at the intersection of Governor Prence Rd., and Route 6, belies an executive decision which completely disregards, and dismisses the needs and realities of the full time residents of Eastham, while providing for the seasonal, and tourist needs only. In addition to this misreading of the mandate, given to the Commission, implementation of such a randomly triggered red light at this intersection is a clear invitation to disaster. Speeding heavy freight vehicles, loaded with gasoline, oil, concrete, lumber, propane, supplies of every description, routinely travel two

abreast, through this blind crossing.The specter of a suddenly and randomly triggered red light, as opposed to a standard signal, (i.e., one that is expected, and regular in it's cycle-) will pose a significant risk of collisions.It makes no sense, and we will oppose it.

9. The study underway to address a small section of Rt 6 in Eastham, between Brackett Rd., and Village Lane in Wellfleet, ignores the dire need for a comprehensive solution for the ENTIRE section of anomalous Highway, known as Rt. 6 ,in Eastham. It is a band aid approach, and will fail to serve this most ignored and under-served community.

10. The highway system between the Orleans Rotary, and Wellfleet Center, lacks an alternative , or "Back" road, potentially closing off the entire burgeoning population of the Lower Cape beyond Eastham, from all services, transportation, emergency, medical, fuel, etc., constituting a security emergency condition, in the event of a need for evacuation, or public safety event.

11. The planned alternative roadway system, on the planners books for over 45 years, consists of an extension of the two-way, two-lane, limited access highway (US 6), from the Orleans Rotary, along the Commonwealth of Massachusetts' Transportation Corridor, a right of way single parcel, (that measures 85 feet width throughout, as opposed to the current Rt. 6 right of way, at 51 feet), Would provide two exits, in Eastham, one at the Salt Pond Visitor Center, and one at the Wellfleet Town Line, the first of which, where the CCNS could siphon off some of the Four Million Visitors per year they advertise attracting to our town, and shuttle them onto their own road system all the way north to Marconi, and their HQ, utilizing only a small portion of the thousands of acres of land they have acquired, (like all other National Parks manage to do)...-providing releif and management of these crowds.

12. Returning our "Main St." of a small New England Town, to a two lane, local "6A", with green belts, along it's route, and access to scenic and historically significant sites,without the current fear of being mowed down by a speeding Cement Mixer, or a random Tourist in his Porsche, travelling fast enough to snap off a utility pole like a twig, go airborne, and smash through the foundation of someone's home, (7/17/15,) 1880 State Highway, Dean Frodel, Natasha Frodel.

13. Enforcement in Eastham is woefully inadequate. This has resulted in a further discriminatory burden on the poor and working class citizens that largely make up residents along the busy stretch of Rt.6 in Eastham, endangering their very lives, despoiling their environment, causing undue stress, and uncertainty, - and- while almost all commercial and freight traffic routinely is speeding, and driving dangerously, also, in the private sector, more elite populations casually take advantage of lax enforcement, and utilize the roadway as their private auto bahn, hurrying along, routinely violating the law, and doing so with impunity, as the long suffering resident population is ignored, and endangered. This is a clear violation of Title VI, by omission.

I call on the state legislature to convene field hearings concerning the violations described within. I call on the Federal Government to take responsibility for the Four Million Visitors per year that descend upon our town of 4850 residents. I call upon the Governor to implement a

public safety emergency transportation plan, to avert potential disaster. I call upon the DOJ to investigate the violations of our civil, and constitutional rights as citizens.

MassDOT response:

MassDOT believes that the current four lane configuration through the Town of Eastham is warranted due to heavy seasonal traffic volumes. MassDOT acknowledges that a Complete Streets approach, with sidewalks on both sides and bicycle accommodations, would improve the corridor, however funding is limited and therefore opportunities to improve the corridor must compete with the needs of roadways regionally and statewide.

MassDOT suggests that commenter provide his feedback on the study of the corridor currently underway to the Cape Cod Commission, staff to the Cape Cod Metropolitan Planning Organization. This is a study being conducted through the MPO's Unified Planning Work Program, and public participation in those planning studies is strongly encouraged.

The concern of the commenter on the safety of the corridor in regards to excessive speed has been shared with Highway Division District 5 officials, though it is suggested that concerns with traffic enforcement also be brought up with municipal officials.

Finally, MassDOT notes the point from commenter on potential discrimination, however, low-income status is not a protected class under Title VI.

2. **From Matthew Carty via email** (text copied from email message)**:**

The following are comments and questions I have regarding the draft State Transportation Improvement Program (STIP) for Federal Fiscal Years (FFY) 2016-2019

http://blog.mass.gov/transportation/massdot-highway/massdot-draft-2016-2019-state-transportation-improvement-program/

Regarding Congestion Mitigation and Air Quality

MassDOT has published their Draft 2016-2019 State Transportation Improvement Program (http://blog.mass.gov/transportation/massdot-highway/massdot-draft-2016-2019-state-transportation-improvement-program/) and has opened the project to public comment through 25 August 2015. After a quick read of the document, it struck me that we should take a close look at how we spend Congestion Mitigation and Air Quality (CMAQ) funds provided by the federal government.

The federal government provides money to state and local governments to improve air quality as required by the Clean Air Act (https://www.fhwa.dot.gov/map21/factsheets/cmaq.cfm). States can spend some or even all of this money on reducing automobile traffic (e.g., adding lanes to a highway) as "congestion mitigation" under the assumption that slow moving cars and stop-and-go traffic creates more pollution than smoothly flowing traffic. Naively our intuition tells us this logic is sound. But what if it's not true? What if mitigating car congestion provides no improvement to air quality? Worse, what if mitigating car congestion actually makes our air quality worse?

If mitigating car congestion has a neutral or negative impact to our air quality, we should immediately cease all spending of CMAQ money on congestion mitigation, and instead divert those funds to projects that have a more credible likelihood of improving air quality (e.g., replacement of obsolete busses with ones that produce less pollution).

Automobile pollution, past and present

In the twentieth century, automobiles had generally the following pollution profile. Cars would get the best miles-per-gallon mileage on the open highway and suffer degraded mileage in city driving (better mileage is not exactly the same as lower pollution, but it's a good proxy for this discussion). Twentieth century cars were at their worst while stopped and idling, which mostly happens when waiting at a red light or stuck in traffic.

In contrast, a theoretically perfect car consumes no energy and emits zero pollution when stopped, gets its best moving mileage and emits its lowest pollution in city traffic, and performs its worst at highway speeds. This is due to the simple fact that fundamentally, the energy needed to move a car increases exponentially as the speed of the car increases linearly. Here in the early twenty first century hybrid and all-electric cars strongly resemble the theoretically perfect car in their performance. Hybrid and all-electric cars cause zero pollution at a stop, and they have higher EPA estimated mileage in city conditions than highway. These new cars have performance versus pollution characteristics that fundamentally change the relationship between congestion and pollution.

In a world where all cars have the twentieth century pollution profile, it is indeed appropriate to assume reducing automobile congestion will improve air quality. I recall crossing the street as a kid in the 1980's, smelling unburned gasoline coming from tailpipes of older cars waiting at the light. But now more and more when I cross at a stoplight the engines of the cars on the street are stopped, not idling, producing no pollution at all. Even cars not traditionally considered hybrids are increasingly equipped with automatic engine stop technology, turning the engine off at a standstill. New cars from BMW, Volvo, Mercedes have this feature. This important change is happening as a result of improved Environmental Protection Agency (EPA) corporate average fuel economy (CAFE) standards, meaning this not just a fad it is the shape of things to come. It's important to acknowledge that automotive technology tends to debut on high end cars, then quickly trickle down to more modest brands: air conditioning, power steering, air bags, anti-lock brakes and traction control have all followed this path and there's no reason to doubt automatic stop-start technology won't follow the same path. In fact, several models from Chevrolet, Ford and Mazda have this feature (http://time.com/money/3034212/auto-stop-start-fuel-efficiency-save-gas/). Even the new MBTA busses have this feature, which is great because who wants to sit at a bus stop sniffing diesel exhaust.

It is no longer correct to assume that a line of cars stopped in traffic or at a red light create more pollution than those same cars in motion. This is an excellent reason to spend far less CMAQ funding on automobile congestion mitigation and more of it on ways more directly leading to air quality improvements.

Induced Demand

So-called induced demand is the well-established human behavioral principle: every time we increase roadway capacity, after a small amount of time that new capacity is consumed by an increase in traffic volume (http://www.vox.com/2014/10/23/6994159/traffic-roads-induced-demand). It's important to note that induced demand works in two directions: every time we decrease roadway capacity, traffic volume will decrease until a new equilibrium is reached (http://greatergreaterwashington.org/post/27601/in-silver-spring-cutting-travel-lanes-doesnt-make-traffic-backups-worse/).

I bring up induced demand because it is intimately tied to congestion mitigation. Any time we improve traffic flow through a congested bottleneck, the psychological forces of induced demand immediately begin to act on people. People in general are rational actors. Those taking a different nearby route (or alternative transportation) are enticed to use the new, improved, free-flowing roadway. This increases utilization until congestion slows the network link back to a new equilibrium, similar to the original congested state prior to the improvement.

In other words, the eventual outcome of most congestion mitigation work is a wider roadway with similar congestion. Sure, the roadway carries more cars per hour, but they move at the original stop-and-go pace. Extra drivers enticed to use a new road by the extra lane or improved traffic signal timing means extra cars in a given location. Extra cars means extra pollution, it's as simple as that. It is in this way that spending CMAQ funds on automobile congestion mitigation is an expensive fallacy that in the long run actually increases air pollution.

Questions

Having established a rhetorical context, here are my questions for MassDOT:

1. How does MassDOT traffic modeling account for trip generation to estimate the net improvement in air quality gained from congestion mitigation, knowing that congestion mitigation will induce demand and lead to more vehicle miles travelled (VMT)?

2. How does MassDOT continuously validate their traffic model in this context? In other words, does MassDOT revisit 'improved' areas to measure their air quality change before and after (and a couple of years after), to see if the real change validates the model?

3. Does the MassDOT air quality model take into account the market adoption of 'automatic stop-start' technology, to ensure modeled outcomes are accurate leading to better decision making?

4. Looking at the Draft TIP, I see that 6 busses can be replaced for about the same cost of 6 intersection upgrades (page 32, Project ID: 606117: Boston – Traffic signal improvements at 10 locations; page 90, FTA Activity Line Item 111201: Purchase 3 bus replacements @ ~ $500k). How much of an air quality improvement can be achieved per year by replacing 6 MBTA busses with modern hybrid busses compared to the expected per year air quality gains of improving 10 intersections?

MassDOT response:

1. The traffic modeling methodology MassDOT uses is based on the current state of the practice. Trip generation rates are developed using local data from a statewide household survey that MassDOT oversaw in 2010 and 2011. The data from this survey was used to develop trip rates by purpose and geography for household and employment locations. These trip rates were the basis for creating trip ends that were used to develop trip flows between geographic areas at a sub community level. The trip rates increased as a function of the assumed growth in households and employment over time, leading to new trip flows. The trip flows in a given year did not change with the inclusion of congestion mitigation measures, but any given corridor could experience an increase of traffic, potentially resulting in inducing demand for that roadway corridor. The air quality is a function of the congested speed, vehicle miles traveled, roadway type and other factors related to the geography. If any of these variables changed as a result of a congestion mitigation measure, the air quality would be affected, positively or negatively depending on the direction and magnitude of how each of these variables changed.
2. MassDOT uses multiple models – transportation and air quality – that are updated using the most current data sets on a regular basis. These models sets are calibrated and validated against available data sets. Data that was used in these steps involved various census products, household survey results, traffic counts, and vehicle classifications to name a few.
3. MassDOT is required to use EPA's air quality model, MOVES, to estimate emissions from on-road transportation modes. The MOVES model does not account for stop-start technology.
4. The buses listed on page 32 are much smaller than a typical MBTA bus. The average cost for a 40 foot diesel-electric hybrid, similar to what the MBTA would use is $457k (TCRP Synthesis 75: Uses of Higher Capacity Buses in Transit Service, 2015, pg 45). Based on this revised cost, the comparable comparison would be two hybrid buses to 10 intersection locations. There is no significant difference in emissions between hybrid buses and diesel buses based on FTA documents (http://www.fta.dot.gov/documents/NS-SS_Final_PolicyGuidance_August_2013.pdf). It is difficult to make the comparison between intersections and buses since there are several pieces of information missing from the analysis you described which would impact the results.