

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

- ENDORSED BY THE OLD COLONY MPO ON JULY 28, 2015
- ADJUSTED BY THE OLD COLONY MPO ON JANUARY 19, 2016
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PREPARED IN COOPERATION WITH:

- *THE BROCKTON AREA TRANSIT AUTHORITY (BAT)*
- *THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)*
- *THE FEDERAL HIGHWAY ADMINISTRATION (FHWA)*
- *THE FEDERAL TRANSIT ADMINISTRATION (FTA)*

**PREPARED BY:
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Business Case

1. Purpose

A Business Case is used to document the justification for the undertaking of a project, based on the estimated costs (of development, implementation and incremental ongoing operations and maintenance costs) against the anticipated benefits to be gained and offset by any associated risks.

The outline Business Case is developed in the Starting up a Project process and refined by the Initiating a Project process. The Directing a Project process covers the approval and re-affirmation of the Business Case.

The Business Case is used by the Controlling a Stage process when assessing impacts of issues and risks. It is reviewed and updated at the end of each management stage by the Managing a Stage Boundary process, and at the end of the project by the Closing a Project process.

2. Derivation

The Business Case may be derived from the following:-

- Project mandate and Project Brief – reasons
- Project Plan – costs and timescales
- The Senior User(s) – expected benefits
- The Executive – value for money
- Risk Register/Issue Register

3. Quality criteria (What makes a excellent Business Case)

- The reasons for the project must be consistent with the corporate or programme strategy
- The Project Plan and Business Case must be aligned
- The benefits should be clearly identified and justified
- It should be clear how the benefits will be realized
- It should be clear what will define a successful outcome
- It should be clear what the preferred business option is, and why
- Where external procurement is required, it should be clear what the preferred sourcing option is, and why
- It should be clear how any necessary funding will be obtained
- The Business Case includes non-financial, as well as financial, criteria
- The Business Case includes operations and maintenance costs and risks, as well as project costs and risks
- The Business Case conforms to organizational accounting standards
- The major risks faced by the project are stated, together with any responses

4. Tailoring

It is a principle that a PRINCE2 project tailors the method to suit its needs. Tailoring refers to the appropriate use of PRINCE2 on any given project, ensuring that there is the correct amount of planning, control, governance and use of the management products.

You may find it necessary to tailor this template up or down to meet the needs of your project. For everyone involved in the project, it should remain clear as to what the purpose of this management product is, what it should comprise and what the quality criteria are.

This template could quite easily be reduced to a 2 or 3 page document if required.

5. Executive Summary

Highlights the key points in the Business Case, which should include important benefits and the return on investment (ROI).

6. Reasons

The Business Case should explain the reasons why the project is required. Ideally, it should be linked to the organizational context and should explain how the project will enable the achievement of corporate strategies and objectives. The reasons are likely to be defined in the project mandate. If not, clarification should be sought. For example, the reason for relocating an office may be because of changing demographics or increasing leasing costs, because the firm has outgrown its current office or to meet new legislation, such as disability access.

7. Business Options

Analysis and reasoned recommendation for the base business options of:

- *do nothing*
- *do the minimal*
- *do something*

Do nothing' should always be the starting option to act as the basis for quantifying the other options – the difference between 'do nothing' and 'do the minimum'/'do something' is the benefit that the investment will buy.

The analysis of each option provides the Project Board and the project's stakeholders with sufficient information to judge which option presents the best value for the organization. It provides the answer to the question: for this level of investment, are the anticipated benefits more desirable, viable and achievable than the other options available? The Business Case for the chosen option should be continually assessed for desirability, viability and achievability as any new risks and/or changes may make one of the other options more justifiable.

10. Timescales

Over which the project will run (summary of the Project Plan) and the period over which the benefits will be realized. This information is subsequently used to help timing decisions when planning (Project Plan, Stage Plan and Benefits Review Plan).

11. Costs

A summary of the project costs (taken from the Project Plan), the ongoing operations and maintenance costs and their funding arrangements.

Level	Estimate £	Actual £	Tolerance +/-
Overall Project Costs			
Stage 1			
Stage 2			
Stage 3 (if applicable)			
Stage 4 (if applicable)			

12. Investment appraisal

Compares the aggregated benefits and dis-benefits to the project costs (extracted from the Project Plan) and ongoing incremental operations and maintenance costs. The analysis may use techniques such as cash flow statement, ROI, net present value, internal rate of return and payback period. The objective is to be able to define the value of a project as an investment. The investment appraisal should address how the project will be funded.

13. Major Risks

Risk Id	Description	Impact	Probability	Risk Response

14. Supporting Information

[Add here any supporting information, such as comments, charts, tables, documents or diagrams that will assist].

15. Business Case Sections Omitted

- [Omitted section]
- [Omitted section]

16. Document Distribution

Name	Organization	Role

17. Approvals

Prepared By _____

([Job Title])

This document requires the following approvals

Approved By _____

([Job Title])

([Job Title])

Approval Date _____

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DISCLAIMER

The preparation of this report has been financed in part through grant[s] from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation, under the State Planning and Research Program, Section 505 [or Metropolitan Planning Program, Section 104(f)] of Title 23, U.S. Code.

The views and opinions of the Old Colony Planning Council expressed herein do not necessarily state or reflect those of the U. S. Department of Transportation.

701 CMR 7.00 USE OF ROAD FLAGGERS AND POLICE DETAILS ON PUBLIC WORKS PROJECTS/ 701 CMR

7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website:

<http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

NOTICE OF NONDISCRIMINATION RIGHTS AND PROTECTIONS TO BENEFICIARIES

Federal "Title VI/Nondiscrimination" Protections

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

The Old Colony MPO 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, the Old Colony MPO 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:

Old Colony Planning Council
Title VI/ Nondiscrimination Coordinator
Pat Ciaramella
70 School Street
Brockton, MA 02301
508-583-1833 Extension 202
pciaramella@ocpcrpa.org

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 MPO Title VI Coordinator at 508-583-1833 ext. 202.

Spanish

Si necesita esta información en otro idioma, por favor contacte al coordinador de MPO del Título VI al 508-583-1833 ext. 202.

Portuguese

Caso estas informações sejam necessárias em outro idioma, por favor, contate o Coordenador de Título VI da MPO pelo telefone 508-583-1833, Ramal 202

Chinese Simple

如果需要使用其它语言了解信息，请联系Old Colony大都会规划组织（MPO）《民权法案》第六章协调员，电话508- 583-1833，转202。

Chinese Traditional

如果需要使用其他語言瞭解資訊，請聯繫Old Colony大都會規劃組織（MPO）《民權法案》第六章協調員，電話508- 583-1833，轉202。

Vietnamese

Nếu quý vị cần thông tin này bằng tiếng khác, vui lòng liên hệ Điều phối viên Luật VI của MPO theo số điện thoại 508- 583-1833, số máy nhánh 202.

Haitian Creole

Si yon moun bezwen enfòmasyon sa a nan yon lòt lang, tanpri kontakte Koòdonatè a Title VI MPO nan 508-583-1833 ext. 202.

French Creole

Si yon moun vle genyen enfòmasyon sa yo nan yon lòt lang, tanpri kontakte Kowòdinatè MPO Title VI la nan nimewo 508-583-1833, ekstansyon 202.

Russian

Если Вам необходима данная информация на любом другом языке, пожалуйста, свяжитесь с Координатором Титула VI в МПО по тел: 508-583-1833, добавочный 202.

French

Si vous avez besoin d'obtenir une copie de la présente dans une autre langue, veuillez contacter le coordinateur du Titre VI de MPO en composant le 508-583-1833, poste 202.

Italian

Se ha bisogno di ricevere queste informazioni in un'altra lingua si prega di contattare il coordinatore MPO del Titolo VI al 508- 583-1833 interno 202

Mon-Khmer, Cambodian

ប្រសិនបើលោក-អ្នកត្រូវការបកប្រែពីភាសានេះ សូមទាក់ទងអ្នកសម្របសម្រួលជំពូកទី6 របស់ MPO តាមរយៈលេខទូរស័ព្ទ **508-583-1833** រួចភ្ជាប់ទៅលេខ **202**។

Arabic

إذا كنت بحاجة إلى هذه المعلومات بلغة أخرى، يُرجى الاتصال بمنسق الفقرة السادسة لمنظمة التخطيط الحضري على الهاتف: 508- 583-1833 و ثم اضغط الأرقام 202.

Updated April 2015

Old Colony Planning Council

PART A. INTRODUCTION

The Transportation Improvement Program (TIP) is a listing of transportation projects proposed for implementation during the next four federal fiscal years (2016, 2017, 2018, and 2019). Projects listed in the TIP include those in the Long Range Element and Short Range Element of the Old Colony Regional Transportation Plan. In the TIP, projects are programmed under federal and non-federal funding categories and assigned a local priority. The TIP briefly describes the project as well as its projected costs and funding sources.

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects

701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public Works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority.

For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information and additional information relative to guidance and implementation of the Regulation can be found at the following link on the Massachusetts Department of Transportation Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

1. Development of the TIP

Annually, the TIP is prepared in draft form by the Old Colony Planning Council staff working cooperatively with the communities, Brockton Area Transit (BAT), Massachusetts Department of Transportation Office of Transportation Planning, and Massachusetts Department of Transportation District 5. Projects are selected from the previous TIP, from the current Comprehensive Economic Development Strategy (CEDS) project list, from proposals made by local officials or citizens, by members of the Old Colony Joint Transportation Committee (JTC), the Massachusetts Department of Transportation, Brockton Area Transit Authority and/ or the OCPC staff itself based on the Regional Transportation Plan. Information concerning current projects is obtained from MassDOT, Brockton Area Transit Authority, and/or the community responsible for the design of the project. An annual sonication for projects commences typically in January of the calendar year.

As part of the TIP development, current and proposed projects are evaluated using Transportation Evaluation Criteria, and recommended to the Old Colony Metropolitan Planning Organization (MPO) for consideration and approval. Projects are evaluated using the Transportation Evaluation Criteria of Condition, Mobility, Safety and Security, Community Effects and Support, Land Use and Economic Development, and Environmental Effects. The OCPC staff uses the evaluation criteria results, as well as readiness information, available funding, and other pertinent information to develop a Draft TIP. As part of the development process, the Draft TIP is reviewed by the JTC, the OCPC, and the MPO. The Old Colony MPO then releases the Draft TIP for a 30-Day Public Review and Comment Period. Following the 30-Day Public Review and Comment Period, the Old Colony MPO considers the comments received, and then endorses the TIP.

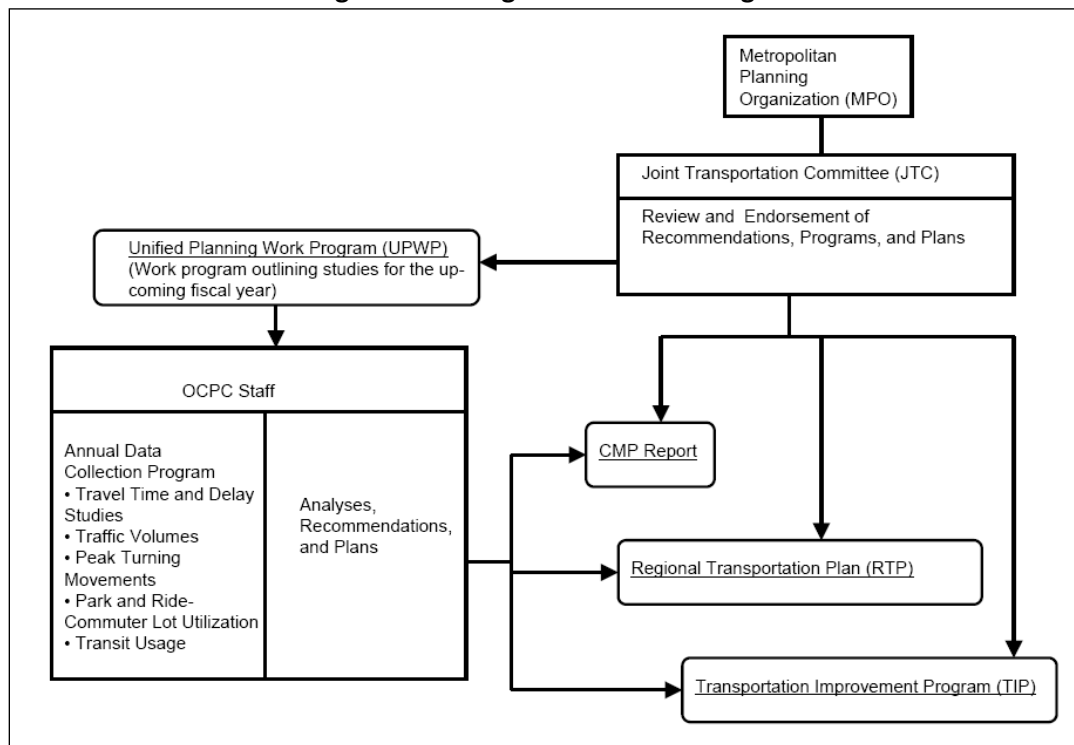
Congestion Management Process

Congestion on a transportation facility may be defined as the level of performance that is deemed unacceptable due to traffic interference. The acceptable level of performance varies from state to state. In addition, the types of transportation modes and links also vary from place to place. Therefore, the regulations require an effective CMP that provides information on enhancing performance and identifies effective congestion reducing strategies that meet the needs of the particular region.

The CMP is, “a systematic process for managing congestion that provides information on transportation system performance and on alternative strategies for alleviating congestion and enhancing the mobility of persons and goods to levels that meet state and local needs.” The CMP includes consideration of the implementation of strategies that provide the most efficient and effective use of existing and future transportation facilities. In both metropolitan and non-metropolitan areas, consideration needs to be given to strategies that reduce single occupancy vehicle (SOV) travel and improve existing transportation system efficiency. Documentation of the operational Congestion Management Process occurs during the Transportation Management Area (TMA) Certification Review conducted every four (4) years.

The figure below illustrates the integration of the Congestion Management Process within the overall planning process. This process allows for monitoring transportation systems for congestion, reviewing and endorsing plans by local communities that make up the region, and revising monitoring of strategies and overall plans to account for a dynamic management system.

Congestion Management Process Diagram



In general, the root causes of congestion may be summarized into two main categories:

- Too much traffic exists on a facility for the available physical capacity to handle – There is a limited amount of traffic that can be moved on a roadway for a given time, or only so many transit customers that can be accommodated in a given number of buses or trains. This is considered the physical capacity of the system. Bottlenecks occur at locations where the physical capacity is restricted, with flows from upstream sections (with higher capacities) being funneled into smaller downstream segments. When traffic flow breaks down to stop-and-go conditions, capacity is actually reduced. Bottlenecks can be very specific chokepoints in the system, such as a poorly functioning freeway-to-freeway interchange, or an entire highway corridor where a “system” of bottlenecks exists, such as a closely spaced series of interchanges with local streets. Physical capacity can be reduced by the addition of “intentional” bottlenecks, such as traffic signals and tollbooths. Bottlenecks can also exist on long upgrades and can be created by “surges” in traffic, as experienced around resort areas, or due to specific events (sports events, parades, etc.).

- Traffic Incidents – In addition to the physical capacity, external events can have a major effect on traffic flow. These include traffic incidents such as crashes and vehicle breakdowns; work zones; inclement weather; special events; and poorly timed traffic signals. When these events occur, their main impact is to subtract physical capacity from the roadway. Events also may cause changes in traffic demand by causing travelers to rethink their trips (e.g., snow and other types of severe weather). The level of congestion on a roadway is determined by the interaction of physical capacity with events that are taking place at a given time. The effect of a traffic incident depends on how much physical capacity is present. Consider a traffic crash that blocks a single lane on a freeway. That incident has a much greater impact on traffic flow if only two normal lanes of travel are present than if three lanes are present. Therefore, strategies that improve the physical capacity of bottlenecks also lessen the impacts of roadway events such as traffic incidents, weather, and work zones.

Specific issues that contribute to congestion include:

- Absence of incident management plan
- Adjacent land use development inconsistent with the transportation system
- Bottlenecks due to too many trips occurring within a narrow time frame
- Crashes
- Driver behavior/distractions
- Extreme weather events
- Inadequate acceleration/deceleration lanes
- Interchange spacing too short on limited access highways
- Lack of adequate roadway, transit, and or parking capacity
- Lack of signal coordination
- Low automobile occupancy
- Poor access control on arterials
- Poor signal timing
- Special events/other
- Work zones

The cost of congestion can be measured in dollars as well as time. There is a direct link between transportation investment, travel conditions (congestion and reliability), and economic productivity. Two key trends have a substantial impact on the total cost of moving freight:

- As congestion extends into the midday, which is typically the peak travel period for trucks, costs that are more direct will be incurred.
- Reliability – For trucks, the ability to secure delivery windows predictably will decrease and will add even more costs as firms struggle to optimize delivery schedules. This is especially a problem for truckers who must meet “just-in-time” delivery schedules set by shippers, manufacturers, and retailers.

The currently identified congested corridors are summarized as follows:

- Route 3 From Plymouth/Bourne Town Line To Pembroke/Norwell Town Line
- Route 3A in Duxbury, Kingston and Plymouth Downtown Areas
- Route 18 From Route 3 to Route 106 in East Bridgewater
- Route 24 From Raynham/ Bridgewater Town Line To I-93
- Route 27 in Brockton and Stoughton
- Route 28 in Avon, Brockton, West Bridgewater, and Bridgewater
- Samoset Street in Plymouth
- Route 104 in Bridgewater from Central Square to Route 24
- Route 106 in West Bridgewater
- Route 123 in Abington, Brockton, and Easton
- Route 138 From The Canton/ Stoughton Town Line To Brock Street
- Route 139 From Route 53 In Pembroke To The Pembroke/Marshfield Town Line
- Harrison Boulevard/Central Street In Avon And Stoughton (between Route 28 and Route 27)
- Main Street / North Main Street In Brockton From Plain Street To Avon Town Line

The CMP is also designed to identify intersections and road segments that demonstrate congestion, excessive delays, and circulation problems. The CMP identifies these congested facilities through studies completed by OCPC and other agencies and organizations, and through the ongoing monitoring of facilities. Standard operating procedures have been adopted for data collection that allows the monitoring of intersections within the region specifically targeted due to congestion. The CMP has identified numerous congested intersections, based on a threshold of LOS “D” or less, within the Old Colony region.

In addition to the intersection locations, there are a number of community centers in the region including, Bridgewater Center (Central Square), East Bridgewater Center, Downtown Brockton, Stoughton Center, and West Bridgewater Center, that experience chronic congestion and circulation problems requiring on-going efforts to improve traffic flow and reduce delays.

2. Prioritization

Several factors are considered when developing the prioritization and programming of projects.

- Financial feasibility of project
- Level of impact of the project (ADTs, Location, NHS, Safety)
- Local and regional support for the project
- Need for project to be implemented (safety, congestion, etc.)
- Project has been derived from the Management Systems (Congestion, Land Use, Safety, and Pavement)
- Project has Project Review Committee (PRC) approval and/or a MassDOT ID
- Project must have reasonable progress in design, as to assure that the project can be implemented in the active year

- Project Readiness
- Results of Annual TIP Day
- Results of Transportation Evaluation Criteria

3. Public Participation, Coordination, and Consultation

Transportation planning is one component of the 3C Continuing, Cooperative, and Comprehensive planning process that includes land use/growth management, housing, open space and recreation, economic development, historic preservation, and water quality. It is important that these potentially conflicting elements be consistent with one another in order to facilitate the efficient movement of people and goods in the region. The first step in obtaining consistency is the coordination, and consultation with appropriate agencies and groups on exiting projects. Each of the functional planning areas uses common land use, population and employment statistics, and forecasts.

An underlying principle of the metropolitan planning process is public participation, coordination, and consultation with agencies and groups. As such, a successful public participation model was developed and utilized. Legal advertisements are not a panacea for public participation. With that in mind, the staff engaged the public to the maximum extent possible. Various strategies were deployed, documented, and evaluated.

This FFY 2016-2019 Transportation Improvement Program was developed in accordance with the Public Participation Plan (PPP) for the Old Colony Planning Council Region. Brockton Area Transit utilizes the Old Colony MPO's public participation as its public participation process. The public discussion of the Transportation Improvement Program (TIP) at Old Colony JTC, Old Colony MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the Federal Transit Administration (FTA).

Public participation in the TIP development process is welcomed and encouraged. The public is able to participate in the development of the TIP by attending meetings and reviews designated for the TIP, or by contacting the OCPC offices. To ensure that there is equity in the distribution of transportation resources and that there is reasonable access to the planning process, OCPC will continually conduct Title VI and Environmental Justice planning for the Old Colony Region.

Staff utilized a diverse methodology for coordination, consultation, and engaging the public to the maximum extent possible in the development of the TIP. The methodology is presented below.

- Old Colony Metropolitan Planning Organization (MPO) - The MPO provided oversight of the TIP development and has the responsibility of ultimately endorsing the TIP. Meetings typically take place on the third Tuesday of the month.
- Old Colony Planning Council (OCPC) - The Old Colony Planning Council discusses the TIP development and provides both planning and policy guidance at regularly scheduled Council meetings. Meetings take place typically during the last Wednesday of the month.
- Old Colony Joint Transportation Committee (JTC) - Functioning as the advisory group to the Old Colony MPO and Old Colony Planning Council, this group assists with the identification of transportation deficiencies and provides regular input and review of TIP products. The Committee consists of superintendents and or directors of highway department of public works, town planners, engineers, etc. Typically, meetings take place during the second Thursday of the month.

- Transit Providers – Council staff solicits input regarding transit issues from the Brockton Area Transit Regional Transit Authority (BAT), Greater Attleboro-Taunton Regional Transit Authority (GATRA), MBTA, and, the South Shore Community Action Council.
- Coordination and consultation activities - Coordination and consultation, and/ or information dissemination activities take place with multiple agencies and groups. As such, these coordination and consultation activities routinely could take place with: Brockton Area Transit, Brockton 21st Century Cooperation, Cape Verdean Association of Brockton, Chief Elected Officials, Departments of Public Works and Highway Departments, Massachusetts Department of Transportation, Latino Health Institute, Greater Attleboro Taunton Transit Authority, Massachusetts Department of Transportation District 5, MBTA, Metro South Chamber of Commerce, NAACP, Plymouth and Brockton (P&B), Plymouth Area Chamber of Commerce, Plymouth County Development Council, South Shore Chamber of Commerce, and South Shore Community Action Council.
- Transportation Advisory Network (TAN) - The TAN Outreach Contact List consists of over 200 members. Members include chief elected officials, legislators, planning boards, Massachusetts Department of Transportation, Federal Highway Administration (FHWA), Federal Transit Administration (FTA), transit providers, minority groups, town clerks, and transportation officials. The objective is to provide continuing outreach to a wide network. Council staff provides announcements of product availability, upcoming events, and meetings associated with the TIP to the TAN. The TAN Outreach Contact List is shared with MassDOT-Office of Transportation Planning, and MassDOT-Office of Diversity and Civil Rights.
- Media Outlets and places of public convenience - Staff utilizes multiple media outlets and places of public convenience to solicit public comment, advertise meetings, and advertise TIP availability. The media outlets and places of public convenience consisted of newspaper legal advertisements (Brockton Enterprise, Ojournal, and Patriot Ledger), websites, town and city halls, local cable access, etc.
- Copies of the Draft TIP are posted on the OCPC website and in the Council’s Office, so that reasonable access and opportunities to review the Draft TIP are provided. Copies of the Draft TIP are provided upon request.
- 30-Day Public Review Period - During the public review period for the Draft TIP, copies are available and their availability was advertised using multiple media outlets and the TAN. During the period, public meetings were held and the Council staff was available to discuss the Draft TIP with the public upon request.

Environmental Justice

Environmental Justice is an important part of the planning process and is considered in all phases of planning. A truly integrated and effective planning process actively considers and promotes environmental justice within projects and groups of projects, across the total plan, and in policy decisions. All reasonably foreseeable adverse social, economic, and environmental effects on minority populations and low-income populations must be identified and addressed. There are three fundamental Environmental Justice principles:

- To avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority populations and low-income populations.
- To ensure the full and fair participation by all potentially affected communities in the transportation decision-making process.
- To prevent the denial of, reduction in, or significant delay in the receipt of benefits by minority populations and low-income populations.

Public involvement is an integral part of transportation planning and project development decision-making. The U.S. DOT Order (5610.2) on Environmental Justice directs the provision for minority populations and low-income populations greater access to information on and opportunities for public participation in matters that may affect human health and the environment.

Effective public involvement in the planning process and the project-development process can alert State and local agencies about environmental justice concerns so that they do not result in surprises during the project-development stage. Continuous interaction between community members and transportation professionals is critical to successfully identify and resolve potential Environmental Justice concerns.

The staff has public-involvement procedures established that provide for consideration of Environmental Justice. These procedures provide an inclusive, representative, and equal opportunity for two-way communication resulting in appropriate action that reflects this public involvement. Environmental Justice is considered in all aspects of planning and project decision-making, including the design of both the public-involvement plan and the proposed facility.

Environmental Justice Analysis asks whether a proposed action or plan causes disproportionately high and adverse effects on minority populations and low-income populations, and whether these populations are denied benefits. A framework of analysis that can determine how a proposed action or plan could differentially affect different populations is important. As such, an analysis of benefits and burdens is utilized. In addition, computer mapping of Environmental Justice Areas along with past, present and future projects funded through the transportation improvement program, available transit services and their associated walking times, commuter parking facilities, pavement conditions, high crash locations, areas of congestion is utilized to measure the distribution of funding (to ensure geographic equity), to determine priorities areas of need/ and or concern.

Examinations of potential benefits and burdens because of the implementation of the TIP were conducted. Examples of benefits considered were mobility, accessibility, infrastructure condition, environment, reliability, safety, security, load factors, efficiency, and consultation with riders in improving bus services to the transit-dependent. While examples of burdens considered were: air, noise, and water pollution and soil contamination, destruction or disruption of community cohesion or a community's economic vitality, destruction or disruption of the availability of public and private facilities and services, adverse employment effects, displacement of persons, businesses, farms, or nonprofit organizations, increased traffic congestion, isolation, exclusion, or separation of minority or low-income individuals within a given community or from the broader community, and the denial of, reduction in, or significant delay in the receipt of, benefits of programs, policies, or activities.

An assessment of the benefits and burdens of the Transportation Improvement Program (TIP) was completed to identify all regionally significant projects constructed and/ or programmed in the Old

Colony Transportation Improvement Program during the period of 2004 – 2019. Constructed projects funded through the TIP were included to provide a benchmark of investments. The constructed projects were compiled and then the staff analyzed the location of these improvements relative to locations of minority and low-income populations. For the purposes of identifying these populations, the staff utilized the MassGIS Environmental Justice GIS Shape file. Polygons in the Environmental Justice (EJ) Populations layer represent neighborhoods across the state with high minority, non-English speaking, low-income, and foreign-born populations.

Regionally, it was determined that about 35.7 percent of the identified improvement projects, representing approximately 41.8 percent of the identified investment dollars on the FFY 2016-2019 TIP are located in or immediately adjacent to EJ communities. This exceeds the 29.0 percent of the region's population identified as living in EJ communities. Non-mappable projects, such as transit vehicle replacements or rehabilitations, bridge and roadway repair line items for future projects to be defined, and other non-location-specific projects are not included in this analysis. Moreover, many of the projects that are not located directly within an EJ community are projects of key regional significance, such as interstate highway improvements. These improvements benefit the region as a whole, and provide access to many key employment centers, including downtown Brockton and regional shopping centers.

Investment Value of TIP Projects 2016-2019 (Projects Planned)

Type	Population Represented in EJ Communities (2010)	Percent Population Represented	TIP Project Investment	Percent Projects in EJ/ Non EJ Communities by Total Investment (\$)
Within EJ Communities	101,053	29.0%	\$18,561,440	41.8%
Outside EJ Communities	247,474	71.0%	\$25,884,134	58.2%
Totals	348,527	100.0%	\$44,445,574	100%

OCPC undertook further analysis to determine the level of investments during the period of 2004-2015 through previous Transportation Improvement Programs. From that analysis, it was concluded that about 48.1 percent of the identified improvement projects, representing approximately 50.9 percent of the identified investment dollars allocated during the TIP years of 2004-2015 are located in or immediately adjacent to EJ communities. This exceeds the 29.0 percent of the region’s population identified as living in EJ communities.

Investment Value of TIP Projects 2004 - 2015 (Projects Implemented)

Type	Population Represented in EJ Communities (2010)	Percent Population Represented	TIP Project Investment	Percent Projects in EJ/ Non EJ Communities by Total Investment (\$)
Within EJ Communities	101,053	29.0%	\$78,413,278	50.9%
Outside EJ Communities	247,474	71.0%	\$75,643,598	49.1%
Totals	348,527	100.0%	\$154,056,876	100%

From the examination of benefits and burdens, it is the determination that no projects implemented because of the TIP will result in adverse impacts to the Environmental Justice Areas in the Old Colony region.

As such, from the review, it may be concluded from the public investment and involvement in the regional transportation planning process and the resultant FFY 2016-2019 Transportation Improvement Program and previous TIPs (dating back to 2004) demonstrate that the benefits of the regional transportation planning process are afforded equitably to both EJ and Non-EJ communities. Given this equitable distribution and investment, it is finding of the Old Colony Planning Council that the Low-income and minority populations are not disproportionately impacted and are beneficiaries of the transportation planning process and project implementation in the Old Colony Region.

As such, the Old Colony Planning Council continues to work with our regional partners in the advancement of environmental justice principles throughout the regional planning process. Such analyses will be conducted annually and included in the endorsed TIP.

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Thirty-Day Public Review and Comment Period - Legal Advertisements

The Brockton Enterprise

**NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD
2016 REGIONAL TRANSPORTATION PLAN (RTP)**

- * FFY 2016-2019 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
- * FFY 2016 UNIFIED PLANNINGWORK PROGRAM (UPWP)

In accordance with the Public Participation Process developed by the Old Colony Metropolitan Planning Organization (MPO), Old Colony Planning Council (OCPC) is making the 2016 Regional Transportation Plan (RTP), the FFY 2016-2019 Transportation Improvement Program (TIP), and FFY 2016 Unified Planning Work Program (UPWP) available for public review and comment. Copies of these documents are available for review at the OCPC Offices (8:30 a.m. to 4:00 p.m.), at <http://www.ocpcrpa.org/>, and/or upon request. This notice will initiate a 30-Day Public Review and Comment Period. This process will also be used as Brockton Area Transit Authority's (BAT) public participation process. BAT, the Federal Transit Administration (FTA) Section 5307(c) applicant, has consulted with the Old Colony MPO and concurs that the public involvement process adopted by the Old Colony MPO for development of the TIP satisfies the public hearing requirements that pertain to the development of the Program of Projects for the regular Section 5307, Urbanized Area Formula Program, grant applications including the provisions for public notice and the time established for public review and comment. Public notice of public involvement activities and time established for public review and comments on the TIP will satisfy the program of projects (POP) requirements. The public discussion of the TIP at Old Colony JTC, Old Colony MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the FTA. A public meeting of the OCPC and Old Colony MPO advisory committee, the Old Colony Joint Transportation Committee (JTC), is scheduled for July 9, 2015 at 12 PM. Furthermore, a public meeting of the Old Colony MPO is scheduled for July 28, 2015 at 10 AM to hear additional public comments and consider endorsement of Amendment 4. Please contact Charles Kilmer at 508-583-1833 Extension 206 for further information.

Please send written comments to:
Old Colony Planning Council (OCPC)
70 School Street
Brockton, MA 02301
Attention: Charles Kilmer
13297049 6/25/15

The Ojornal

**NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD
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• FFY 2016-2019 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
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The Patriot Ledger

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Please send written comments to:
Old Colony Planning Council (OCPC)
70 School Street
Brockton, MA 02301
Attention: Charles Kilmer
13297056 6/25/15

The Brockton Area Transit Authority, the FTA Section 5307(c) applicant, has consulted with the Old Colony Metropolitan Planning Organization (MPO) and concurs that the public involvement process adopted by the MPO for development of the TIP satisfies the public hearing requirements that pertain to the development of the Program of Projects (POP) for the regular Section 5307, Urbanized Area Formula Program, grant applications including the provisions for public notice and the time established for public review and comment. The public discussion of the Transportation Improvement Program (TIP) at Old Colony JTC, Old Colony MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the Federal Transit Administration (FTA).

For FTA projects that are not routine, i.e. Section 5307 applications that require an environmental assessment or an environmental impact statement the public involvement provided for herein for the TIP review is not sufficient. FTA will require additional public involvement, as presented in the joint FHWA/FTA environmental regulations, 23 C.F.R. part 771 for grant approval.

Comments received from the thirty-day public review and comment period may be obtained by contacting Charles Kilmer at 508-583-1833, Extension 206.

4. Transportation Funding Programs

The major sources of transportation funding are the Federal Highway Administration (FHWA), Federal Transit Administration (FTA), and the Federal Aviation Administration (FAA). The United States Congress authorizes funding for these transportation projects through federal legislation. For highways and mass transportation, the most recent authorization was the MAP-21 (2012). Federal funding received from MAP-21 is allocated to different funding programs. State funds are also a key component for transportation purposes. Some of these programs are listed below.

Highway Funding Programs

- **National Highway Performance Program (NHPP)** provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a State's asset management plan for the NHS.
- **Surface Transportation Program (STP)** provides funds for roads (including NHS) that are not functionally classified as local or rural minor collectors. These roads are collectively referred to as federal-aid eligible roads. Bridge projects funded with STP funds are not restricted to federal-aid roads but may be on any public road. Transit capital projects are also eligible under this program.
- **Congestion Mitigation and Air Quality Improvement Program (CMAQ)** directs funds toward transportation projects in Clean Air Act non-attainment areas for ozone and carbon monoxide. These projects will contribute to meeting the attainment of national ambient air quality standards. The state receives funds based on its share of the population of air quality non-attainment areas weighted by degree of air pollution.

- **Highway Safety Improvement Program (HSIP)** is a program that aims to reduce the number of fatal and injury crashes by targeting high crash locations. Projects, using (HSIP) funding, are required, by MAP-21, the Federal Legislation, to be selected based a data driven process.
- **Transportation Alternatives Program (TAP)** MAP-21 established a new program to provide for a variety of alternative transportation projects, including many that were previously eligible activities under separately funded programs. The TAP replaces the funding from pre-MAP-21 programs including Transportation Enhancements, Recreational Trails, Safe Routes to School, and several other discretionary programs, wrapping them into a single funding source.
- **Bridge Replacement and Rehabilitation Program** provides funds for rehabilitation and replacement of any bridge on a public road. Bridges on the federal-aid system or off the federal-aid system are eligible for these funds. Eligible activities/ projects are bridge painting, seismic retrofitting, and calcium magnesium applications.
- **Other Federal Aid** includes projects that received federal funding outside the federal-aid program. Funds in this category are generally approved as line items appended to various pieces of federal legislation. Projects in this category are generally intended to improve public safety within a specified region that might not qualify for funding through other sources.
- **Non-Federal Aid (NFA)** contains all projects not receiving federal funds. Various categories of state funding are included in this group such as bikeways, State Aid (Chapter 90), MassWorks, highway construction, and maintenance.

Transit Funding Programs

- **49 U.S.C. Section 5307** provides capital, preventative maintenance, and operating assistance to transit systems in urbanized areas. MAP-21 expands eligibility for using Urbanized Area Formula funds for operating expenses. Previously, only urbanized areas with populations below 200,000 were eligible to use Federal transit funding for operating expenses. Now, transit systems in urbanized areas over 200,000 can use their formula funding for operating expenses if they operate no more than 100 buses. Activities eligible under the former Job Access and Reverse Commute (JARC) program, which focused on providing services to low-income individuals to access jobs, are now eligible under the Urbanized Area Formula program.
- **49 U.S.C. Section 5310** provides formula funding to increase the mobility of seniors and persons with disabilities. Funds are apportioned based on each State's share of the targeted populations and are now apportioned to both States (for all areas under 200,000) and large urbanized areas (over 200,000). The former New Freedom program (5317) is folded into this program.
- **49 U.S.C. Section 5311** provides capital, planning, and operating assistance to support public transportation in rural areas, defined as areas with fewer than 50,000 residents. Funding is based on a formula that uses land area, population, and transit service.
- **49 U.S.C. Section 5339** replaces the previous Section 5309 discretionary Bus and Bus Facilities program. This capital program provides funding to replace, rehabilitate, and purchase buses and related equipment, and to construct bus-related facilities.

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

- **Mobility Assistance Program (MAP)** is a state funded program similar to Section 5310, but provides capital assistance to public non-profit service carriers. MAP funds are intended for use by public agencies, such as Councils on Aging, South Shore Community Action Council, and the Brockton Area Transit Authority (BAT), to provide van service to elderly and disabled persons.

PART B. HIGHWAY AND BRIDGE PROJECT LISTING BY COMMUNITY

The following is an informational list of identified projects regardless of priority and funding source. Location in TIP refers to which year the project is programmed or located if not programmed.

1. Universe of Projects

PROJECT LOCATION AND DESCRIPTION	PROJECT ID#	PROGRAM YEAR
ABINGTON - SAFE ROUTES TO SCHOOL (CENTER SCHOOL)	605693	NOT PROGRAMMED
ABINGTON - HANCOCK STREET & CHESTNUT STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
ABINGTON - ROUTE 18 & ROUTE 123 INTERSECTION IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
ABINGTON - ROUTE 18 & ROUTE 139 INTERSECTION IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	608085	2016
AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	608086	2019
AVON - ROUTE 28 (EAST MAIN STREET) AT EAST/WEST SPRING STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
AVON - WEST MAIN STREET RECONSTRUCTION (HARRISON BOULEVARD TO ROUTE 28)	PRE - PRC	NOT PROGRAMMED
BRIDGEWATER - CENTRAL SQUARE IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
BRIDGEWATER - HIGH STREET RECONSTRUCTION FROM HAYWARD STREET TO PLYMOUTH STREET	PRE - PRC	NOT PROGRAMMED
BRIDGEWATER - MILL STREET RECONSTRUCTION FROM PLYMOUTH STREET TO HIGH STREET	PRE - PRC	NOT PROGRAMMED
BRIDGEWATER - ROUTE 104 & HAYWARD STREET/GREAT HILL DRIVE SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
BRIDGEWATER - ROUTE 104 & SOUTH STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
BRIDGEWATER - SUMMER STREET RECONSTRUCTION FROM GROVE STREET TO FLAGG STREET	PRE - PRC	NOT PROGRAMMED
BRIDGEWATER - TOWN RIVER LANDING PEDESTRIAN BRIDGE ENHANCEMENT PROJECT	PRE - PRC	NOT PROGRAMMED
BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	608088	2018

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

BROCKTON - DOWNTOWN BROCKTON CIRCULATION	PRE - PRC	NOT PROGRAMMED
BROCKTON - MAIN STREET & FOREST AVENUE SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
BROCKTON - MAIN STREET RECONSTRUCTION FROM WHITE AVENUE TO HAYWARD AVENUE	PRE - PRC	NOT PROGRAMMED
BROCKTON - NORTH QUINCY STREET, CHESTNUT STREET, AND BOUNDARY AVENUE SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	608143	2019
BROCKTON - PERKINS AVENUE RESURFACING & RELATED WORK FROM SUMMER STREET TO MAIN STREET	601642	NOT PROGRAMMED
BROCKTON - ROUTE 27 - CRESCENT STREET, LYMAN STREET, AND SUMMER STREET INTERSECTION IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
BROCKTON - ROUTE 27 RECONSTRUCTION (PERKINS STREET TO LYMAN STREET)	PRE - PRC	NOT PROGRAMMED
BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE	606036	2016
BROCKTON- INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/QUINCY STREET/MASSASOIT BOULEVARD	606143	2018
DUXBURY - ROUTE 3A & ROUTE 139 INTERSECTION IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
DUXBURY - SIGNAL INSTALLATION @ ROUTE 3 (NB & SB) RAMPS & ROUTE 3A (TREMONT STREET)	606002	NOT PROGRAMMED
EAST BRIDGEWATER - RESURFACING AND SIDEWALK CONSTRUCTION ON BEDFORD STREET (ROUTE 18), FROM WHITMAN STREET (ROUTE 106) TO CENTRAL STREET	607941	2019
EAST BRIDGEWATER - ROUTE 106 & WASHINGTON STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
EAST BRIDGEWATER - ROUTE 18 & HIGHLAND STREET INTERSECTION IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
EAST BRIDGEWATER - ROUTE 18 & WEST STREET/EAST STREET INTERSECTION IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION ON FROM NEWELL CIRCLE TO ROUTE 138	607217	2019
EASTON - ROUTE 138 & ELM STREET INTERSECTION SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
EASTON - ROUTE 138 & PLYMOUTH STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENT	PRE - PRC	NOT PROGRAMMED
EASTON - ROUTE 138 & TURNPIKE STREET INTERSECTION SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	604098	NOT PROGRAMMED
EASTON - ROUTE 138 @ UNION STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	607438	2017
HANSON - ROUTE 14 RECONSTRUCTION	PRE - PRC	NOT PROGRAMMED

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

KINGSTON - RECONSTRUCTION ON ROUTE 106 (MAIN STREET, WAPPING ROAD)	601164	NOT PROGRAMMED
KINGSTON - ROUTE 27 & ROUTE 106 SIGNAL REPLACEMENT AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
KINGSTON - ROUTE 3 AT EXIT 9 SIGNALIZE NORTHBOUND ON/OFF RAMPS	PRE - PRC	NOT PROGRAMMED
KINGSTON - ROUTE 3A & CRESCENT STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
KINGSTON - ROUTE 3A & ROUTE 106 SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53 AC PHASE 2 OF 2	604957	2016
PEMBROKE - REHABILITATION OF ROUTE 36 FROM ROUTE 27 TO ROUTE 14	600380	NOT PROGRAMMED
PEMBROKE - ROUTE 53 AT PLEASANT STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	607337	2017
PLYMOUTH - CARVER ROAD & SUMMER ST/FEDERAL FURNACE/SLEEPY HOLLOW ROAD SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - CHERRY STREET RECONSTRUCTION FROM INDUSTRIAL PARK ROAD TO COMMERCE WAY	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - FEDERAL FURNACE ROAD RECONSTRUCTION FROM CARVER TOWN LINE TO SOUTH MEADOW ROAD	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - IMPROVEMENTS ON OBERY STREET, FROM SOUTH STREET TO A.A. CARANCI WAY/PLYMOUTH NORTH H.S. DRIVE INTERSECTION	606264	2018
PLYMOUTH - JENNY GRIST MILL/ BILLINGTON SEA WALKWAY	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - LONG POND ROAD RECONSTRUCTION (DREW ROAD TO CLARK ROAD)	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	606524	NOT PROGRAMMED
PLYMOUTH - ROUTE 3, EXIT 2 (HERRING POND ROAD) SIGNALIZE NORTHBOUND AND SOUTHBOUND ON/OFF RAMPS	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - ROUTE 3A & HERRING POND ROAD SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - ROUTE 3A & SOUTH STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - ROUTE 3A & WATER STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - SAMOSET STREET & MARC DRIVE/MOBILE HOME ESTATES SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - TOWN WHARF PEDESTRIAN AND ROADWAY IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

PLYMOUTH - WATER STREET RECONSTRUCTION (SOUTH PARK AVENUE TO ROUTE 3A)	PRE - PRC	NOT PROGRAMMED
PLYMOUTH - RECONSTRUCTION OF TAYLOR AVENUE, FROM WHITE HORSE ROAD TO MANOMET POINT ROAD, INCLUDES P-13-010	605038	2017
STOUGHTON - CANTON STREET (ROUTE 27) & SCHOOL STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
STOUGHTON - CENTRAL STREET & CANTON STREET (ROUTE 27) SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
STOUGHTON - CENTRAL STREET & PEARL STREET INTERSECTION IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
STOUGHTON - INTERSECTION IMPROVEMENTS & RELATED WORK AT WASHINGTON STREET (ROUTE 138) & CENTRAL STREET	607403	NOT PROGRAMMED
STOUGHTON - RECONSTRUCTION OF TURNPIKE STREET	607214	NOT PROGRAMMED
STOUGHTON - WASHINGTON STREET (ROUTE 138) & YORK STREET STOUGHTON - CANTON STREET (ROUTE 27) & SCHOOL STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
WEST BRIDGEWATER - RECONSTRUCTION ON ROUTE 106, FROM ROUTE 28 (CENTRAL SQUARE) TO EASTON T.L.	603456	NOT PROGRAMMED
WEST BRIDGEWATER - ROUTE 106 & EAST STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
WEST BRIDGEWATER - ROUTE 106 & HOWARD STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
WEST BRIDGEWATER - ROUTE 28 & MATFIELD STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	PRE - PRC	NOT PROGRAMMED
WEST BRIDGEWATER - SOUTH STREET RESURFACING AND SIDEWALKS	PRE - PRC	NOT PROGRAMMED
WHITMAN - TRAFFIC SIGNAL IMPROVEMENTS & RELATED WORK ON BEDFORD STREET (ROUTE 18) AT 2 LOCATIONS: AUBURN STREET (ROUTE 14) & TEMPLE STREET (ROUTE 27)	607860	2017

Part C. TIP - Federal Requirements and Project List

1. Endorsements of the FFY 2016-2019 Old Colony TIP, Self-Compliance Statements of the Comprehensive, Continuing, Cooperative Transportation Planning Process, and Self Compliance Statements of the 310 CMR 60.05: Global Warming Solutions Act Requirements for the Transportation Sector and the Massachusetts Department of Transportation

The currently endorsed Unified Planning Work Program, Regional Transportation Plan, and Transportation Improvement Program, together with any amendments, were developed in accordance with FHWA/ FTA regulations governing the implementation of the Moving Ahead for Progress in the 21st Century (MAP-21) and EPA regulations governing, the implementation of the Clean Air Act Amendments of 1990, and fully incorporate the applicable requirements of the 1964 Civil Rights Act and the Americans with Disabilities Act of 1990. From certification reviews conducted in 2006 and 2011, the FHWA and FTA have determined that the transportation planning process of the MPO substantially meets the requirements of the Metropolitan Planning Rule 23 CFR Part 450 Subpart C and 49 CFR Part 613. In addition, FHWA and FTA have jointly certified the transportation planning process.

Endorsement of FFY 2016-2019 Old Colony TIP begins on Page 35.

Self-Compliance Statements of the Comprehensive, Continuing, Cooperative Transportation Planning Process begins on Page 36.

Self-Compliance Statements of the 310 CMR 60.05: Global Warming Solutions Act Requirements for the Transportation Sector and the Massachusetts Department of Transportation begins on Page 37.

2. Procedures for Amendments and Administrative Modifications

Transportation Improvement Programs, no matter how well planned, may need to be changed from their original MPO endorsed form. There are different actions that may be taken in order to change the endorsed TIP. These actions vary, depending on the extent of the change, and have different impacts on the TIP.

The procedures for changing the TIP are:

TIP Amendment

- A TIP Amendment is the most extensive change procedure that a TIP may undergo. A TIP Amendment requires the proposed changes to undergo a thirty-day public review period and be formally endorsed by the MPO. However, the Old Colony MPO, at their discretion, may vote to abbreviate the public comment period under what they consider extraordinary circumstances beyond the MPO's control.

TIP Amendments are prompted by:

- ✓ Significant funding changes in a project
- ✓ A project that is not programmed on the TIP is requested to be put on the TIP. (Moving a project back from the previous TIP to the current TIP is an exception – see below)

TIP Adjustment/ Administrative Modification

- A TIP Adjustment/ Administrative Modification is a minor Amendment. The Adjustment procedure generally requires an administrative action (the change), Joint Transportation Committee advice, and MPO signatory notification of the change. Adjustments or Administrative Modifications to the TIP are minor amendments such as adding projects to the Illustrative Project Listing, and the procedure requires an administrative action (the change), JTC advice, and Old Colony MPO notification of the change.

TIP Adjustments are prompted by:

- ✓ A project currently on the TIP is moved into the active year element (FFY 2016), including Mega projects as long as the TIP remains financially constrained
- ✓ A modest funding change
- ✓ A project is split into one or more projects
- ✓ A project listed in the FFY 2015-2018 TIP, and is not advertised in FFY 2015 is moved into the FFY 2016-2019 TIP.

3. Financial Summary and Targets

The Massachusetts Department of Transportation Office of Transportation Planning, in consultation with the Regional Planning Agencies, provides each region with yearly-targeted federal funding levels with state match for highway and bridge projects, and separate yearly targets for projects that qualify for Congestion Mitigation Air Quality (CMAQ) funds, Highway Safety Improvement Program (HSIP) funds, and Transportation Alternative Program (TAP) funds. The anticipated revenue from MassDOT is summarized below, in the summary of regional funding categories on page 21, and on each year of project programming (2016 - Page 23, 2017 - Page 24, 2018 - Page 25, and 2019 - Page 26).

Highway Projects - Federal Aid

Fiscal Year	Anticipated Revenues (Regional Targets)	Total of Regional Projects Programmed
2016	\$ 7,959,824	\$ 6,086,916
2017	\$ 9,418,878	\$ 8,312,308
2018	\$ 9,829,237	\$ 8,312,308
2019	\$ 9,829,237	\$ 7,220,326
Totals	\$ 37,037,176	\$ 29,931,859

Programmed amount includes projects funded with regional target funds only (CMAQ, HSIP, TAP, STP)

Transit Projects

Fiscal Year	Apportionment	Programmed
2016	---	\$ 4,204,600
2017	---	\$ 10,701,000
2018	---	\$ 12,221,000
2019	---	\$ 11,212,000
Totals	\$ -	\$ 38,338,600

Programmed amount include MAP and State Funds

The Old Colony MPO Transportation Improvement Program is financially constrained according to the definition in the Federal Register 23 CFR Part 450.324. Please note that project costs programmed in the TIP are expressed in Year of Expenditure (YOE) dollars. The cost inflation factor utilized is increased 4% annually (e.g. 2017 at 4%; 2018 at 8%; and, 2019 at 12%). The projects programmed meet the funding estimates of federal and state funds available in each of these fiscal years. These estimates were provided by MassDOT and refined as part of the State Transportation Improvement Program (STIP) development process.

The financial plan contained herein is financially constrained, and reflects the highway program emphasis on the maintenance and operation of the current roadway and bridge system with the ability to provide for additional capital improvements.

Only projects for which funds can be expected have been included.

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

4. Summary of Regional Funding Categories (FFY 2016-2019)

Funding Category	2016	2017	2018	2019	Total
BRIDGE	\$ -	\$ -	\$ -	\$ -	\$ -
STATEWIDE CMAQ		\$ 2,600,052	\$ 4,542,720	\$ 6,299,238	
CMAQ	\$ 1,424,858	\$ 1,424,858	\$ 1,424,858	\$ 1,424,858	\$ 5,699,432
HSIP	\$ 455,954	\$ 455,954	\$ 455,954	\$ 455,954	\$ 1,823,816
ITS	\$ -	\$ -	\$ -	\$ -	\$ -
NHPP	\$ -	\$ -	\$ -	\$ -	\$ -
SRTS	\$ -	\$ -	\$ -	\$ -	\$ -
STP	\$ 5,478,993	\$ 7,148,201	\$ 7,558,560	\$ 7,648,416	\$ 27,834,170
TAP	\$ 600,019	\$ 389,865	\$ 389,865	\$ 300,009	\$ 1,679,758
Subtotal FHWA/ State	\$ 7,959,824	\$ 12,018,930	\$ 14,371,957	\$ 16,128,475	\$ 50,479,186
5307 - Operating/ PM/ ADA	\$ 2,000,000	\$ 2,000,000	\$ 2,200,000	\$ 2,400,000	\$ 8,600,000
5307 - Capital	\$ -	\$ 1,452,000	\$ 1,473,000	\$ 1,635,600	\$ 4,560,600
5339	\$ -	\$ -	\$ -	\$ -	\$ -
5310	\$ -	\$ -	\$ -	\$ -	\$ -
5311	\$ -	\$ -	\$ -	\$ -	\$ -
State	\$ 2,204,600	\$ 6,246,000	\$ 3,030,000	\$ 3,716,400	\$ 15,197,000
Local	\$ -	\$ 1,003,000	\$ 5,518,000	\$ 3,460,000	\$ 9,981,000
TIGER	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal FTA/ State	\$ 4,204,600	\$ 10,701,000	\$ 12,221,000	\$ 11,212,000	\$ 38,338,600
Grand Total	\$ 12,164,424	\$ 22,719,930	\$ 26,592,957	\$ 27,340,475	\$ 88,817,786

*Anticipated revenues listed in the table above include state match (CMAQ, HSIP, TAP, and STP)

2016 Old Colony Transportation Improvement Program

06/25/2015 Draft Released
07/28/2015 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
	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; Phase is Construction	
HSIP Subtotal ►							\$ 460,000	\$ 414,000	\$ 46,000	◀ 90% Federal + 10% Non-Federal	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	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; Phase is Construction	
CMAQ Subtotal ►							\$ 3,541,396	\$ 2,833,117	\$ 708,279	◀ 80% Federal + 20% Non-Federal	
► TAP - Transportation Alternatives Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
TAP Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Non-CMAQ/HSIP/TAP (Other)											
	604957	Old Colony	Pembroke	PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53 AC PHASE 2 OF 2	5	STP	\$ 2,455,008	\$ 1,964,007	\$ 491,002	YOE is \$2,085,520; Total Project cost is \$9,187,877; PS&E Design; TEC Score is 7.00; Phase is Construction	
Non-CMAQ/HSIP/TAP (Other) Subtotal ►							\$ 2,455,008	\$ 1,964,007	\$ 491,002	◀ 80% Federal + 20% Non-Federal	
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►							\$ 6,456,404	\$ 7,959,824	◀ Total Target	\$ 1,503,420	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►							\$ 2,455,008	\$ 5,478,993	◀ Max. Non-CMAQ/HSIP/TAP	\$ 1,503,420	Non-CMAQ/HSIP/TAP (Other) A
Total HSIP Programmed ►							\$ 460,000	\$ 455,954	◀ Min. HSIP	\$ (4,046)	HSIP Minimum Met
Total CMAQ Programmed ►							\$ 3,541,396	\$ 1,424,858	◀ Min. CMAQ	\$ (2,116,538)	CMAQ Minimum Met
Total TAP Programmed ►							\$ -	\$ 600,019	◀ Min. TAP	\$ 600,019	TAP Minimum Not Met
HSIP, CMAQ, TAP Overprogrammed							\$ (1,520,565)				
► Section 1B / Federal Aid Bridge Projects											
► Statewide Bridge Maintenance Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
► On System											
				No Projects Programmed			\$ -	\$ -	\$ -		
On System Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Off-System											
				No Projects Programmed			\$ -	\$ -	\$ -		
Off-System Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Statewide Bridge Inspection Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
Statewide Bridge Inspection Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Section 1C / Federal Aid Non-Target Projects											
► Other Federal Aid											
				No Projects Programmed			\$ -	\$ -	\$ -		
Other Federal Aid Subtotal ►							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source	
► Section 1D / Federal Aid Major & State Category Projects											
► Statewide Infrastructure Program											
				No Projects Programmed			\$ -	\$ -	\$ -		

Statewide Infrastructure Program Subtotal ▶										\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal	
▶ Statewide HSIP Program																	
				No Projects Programmed						\$	-	\$	-	\$	-		
Statewide HSIP Program Subtotal ▶										\$	-	\$	-	\$	-	◀ 90% Federal + 10% Non-Federal	
▶ Statewide Safe Routes to Schools Program																	
				No Projects Programmed						\$	-	\$	-	\$	-	Funding Split Varies by Funding Source	
Statewide Safe Routes to Schools Program Subtotal ▶										\$	-	\$	-	\$	-	◀ Funding Split Varies by Funding Source	
▶ Statewide CMAQ																	
				No Projects Programmed						\$	-	\$	-	\$	-		
Statewide CMAQ ▶										\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal	
▶ Statewide Transportation Enhancements																	
				No Projects Programmed						\$	-	\$	-	\$	-		
Statewide Transportation Enhancements Subtotal ▶										\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal	
▶ Statewide ITS																	
				No Projects Programmed						\$	-	\$	-	\$	-		
Statewide ITS Subtotal ▶										\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal	
▶ Statewide Interstate Maintenance Program																	
				No Projects Programmed						\$	-	\$	-	\$	-		
Statewide Interstate Maintenance Program Subtotal ▶										\$	-	\$	-	\$	-	◀ 90% Federal + 10% Non-Federal	
▶ Statewide NHS Preservation Program+																	
	607175	Old Colony	Plymouth	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	\$	14,252,040	11,401,632.0				2,850,408.0		\$14,552,040 Total Cost = \$14,252,040 NHS + 300k Stormwater; Phase is Construction		
Statewide NHS Preservation Program Subtotal ▶										\$	14,252,040	\$	11,401,632	\$	2,850,408	◀ 80% Federal + 20% Non-Federal	
▶ Statewide RR Grade Crossings																	
				No Projects Programmed						\$	-	\$	-	\$	-		
Statewide RR Grade Crossings Subtotal ▶										\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal	
▶ Statewide Stormwater Retrofits																	
	607175	Old Colony	Plymouth	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	STP-TE	\$	300,000	240,000.0				60,000.0		\$14,552,040 Total Cost = \$14,252,040 NHS + 300k Stormwater; Phase is Construction		
Statewide Stormwater Retrofits Subtotal ▶										\$	300,000	\$	240,000	\$	60,000	◀ 80% Federal + 20% Non-Federal	
▶ Statewide ADA Implementation Plan																	
				No Projects Programmed						\$	-	\$	-	\$	-		
Statewide ADA Implementation Plan Subtotal ▶										\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal	
▶ Other Statewide Items																	
				ABP GANS Repayment			\$	-	-				-				
				Award Adjustments, Change Orders, Project Value Changes, Etc.			\$	-	-				-				
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			\$	-	-				-				
				Planning			\$	-	-				-				
				Statewide Design and Right of Way			\$	-	-				-				
				Statewide Recreational Trails			\$	-	-				-				
Other Statewide Items Subtotal ▶										\$	-	\$	-	\$	-	◀ Funding Split Varies by Funding Source	
▶ Section 2A / Non-Federal Projects																	
▶ Non Federal Aid																	
				No Projects Programmed		NFA	\$	-		\$	-						
Non-Federal Aid Subtotal ▶										\$	-	\$	-	\$	-	◀ 100% Non-Federal	
▶ Section 2B / Non-Federal Bridge Projects																	
▶ Section 2B / Non-Federal Bridge Projects																	
				No Projects Programmed		NFA	\$	-		\$	-						
Section 2B / Non-Federal Bridge Projects Subtotal ▶										\$	-	\$	-	\$	-	◀ 100% Non-Federal	

2016 OLD COLONY TIP Summary

TIP Section 1: ▼ TIP Section 2: ▼ Total of All Projects ▼

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 21,008,444	\$ -	\$ 21,008,444	◀ Total Spending in Region
Federal Funds ▶	\$ 16,852,755	\$ -	\$ 16,852,755	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 4,155,689	\$ -	\$ 4,155,689	◀ Total Non-Federal Spending in Region

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

2017 Old Colony Transportation Improvement Program

06/25/2015 Draft Released
07/28/2015 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							HSIP Subtotal ▶	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	607438	Old Colony	Easton	EASTON-INTERSECTION IMPROVEMENTS AT WASHINGTON STREET (ROUTE 138) AND UNION STREET	5	CMAQ	\$ 1,044,228	\$ 835,382	\$ 208,846	YOE is \$1,044,228; 25% Design; TEC Score is 7.85; Phase is Construction	
	607337	Old Colony	Pembroke	PEMBROKE-INTERSECTION IMPROVEMENTS AND RELATED WORK AT WASHINGTON STREET (ROUTE 53) AND PLEASANT STREET	5	CMAQ	\$ 1,957,841	\$ 1,566,273	\$ 391,568	YOE is \$1,957,841; 25% Design; TEC Score is 6.85; Phase is Construction	
							CMAQ Subtotal ▶	\$ 3,002,069	\$ 2,401,655	\$ 600,414	◀ 80% Federal + 20% Non-Federal
► TAP - Transportation Alternatives Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							TAP Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Non-CMAQ/HSIP/TAP (Other)											
	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; Phase is Construction	
							Non-CMAQ/HSIP/TAP (Other) Subtotal ▶	\$ 5,310,240	\$ 4,248,192	\$ 1,062,048	◀ 80% Federal + 20% Non-Federal
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ▶							\$ 8,312,309	\$ 9,418,878	◀ Total Target	\$ 1,106,569	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ▶							\$ 5,310,240	\$ 7,148,201	◀ Max. Non-CMAQ/HSIP/TAP	\$ 1,106,569	Non-CMAQ/HSIP/TAP (Other) A
Total HSIP Programmed ▶							\$ -	\$ 455,954	◀ Min. HSIP	\$ 455,954	HSIP Minimum Not Met
Total CMAQ Programmed ▶							\$ 3,002,069	\$ 1,424,858	◀ Min. CMAQ	\$ (1,577,211)	CMAQ Minimum Met
Total TAP Programmed ▶							\$ -	\$ 389,865	◀ Min. TAP	\$ 389,865	TAP Minimum Not Met
HSIP, CMAQ, TAP Overprogrammed \$								(731,392)			
► Section 1B / Federal Aid Bridge Projects											
► Statewide Bridge Maintenance Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Statewide Bridge Maintenance Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► On System											
				No Projects Programmed			\$ -	\$ -	\$ -		
							On System Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Off-System											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Off-System Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide Bridge Inspection Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Statewide Bridge Inspection Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects											
► Other Federal Aid											

				No Projects Programmed		\$	-	\$	-	\$	-							
											Other Federal Aid Subtotal ▶	\$	-	\$	-	\$	-	◀ Funding Split Varies by Funding Source
▶ Section 1D / Federal Aid Major & State Category Projects																		
▶ Statewide Infrastructure Program																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide Infrastructure Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
▶ Statewide HSIP Program																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide HSIP Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 90% Federal + 10% Non-Federal
▶ Statewide Safe Routes to Schools Program																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide Safe Routes to Schools Program Subtotal ▶	\$	-	\$	-	\$	-	Funding Split Varies by Funding Source
											Statewide Safe Routes to Schools Program Subtotal ▶	\$	-	\$	-	\$	-	◀ Funding Split Varies by Funding Source
▶ Statewide CMAQ																		
	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; Phase is Construction					
											Statewide CMAQ ▶	\$	2,600,052	\$	2,080,042	\$	520,010	◀ 80% Federal + 20% Non-Federal
▶ Statewide Transportation Enhancements																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide Transportation Enhancements Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
▶ Statewide ITS																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide ITS Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
▶ Statewide Interstate Maintenance Program																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide Interstate Maintenance Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 90% Federal + 10% Non-Federal
▶ Statewide NHS Preservation Program+																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide NHS Preservation Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
▶ Statewide RR Grade Crossings																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide RR Grade Crossings Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
▶ Statewide Stormwater Retrofits																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide Stormwater Retrofits Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
▶ Statewide ADA Implementation Plan																		
				No Projects Programmed		\$	-	\$	-	\$	-							
											Statewide ADA Implementation Plan Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
▶ Other Statewide Items																		
				ABP GANS Repayment		\$	-	\$	-	\$	-							
				Award Adjustments, Change Orders, Project Value Changes, Etc.		\$	-	\$	-	\$	-							
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs		\$	-	\$	-	\$	-							
				Planning		\$	-	\$	-	\$	-							
				Statewide Design and Right of Way		\$	-	\$	-	\$	-							

			Statewide Recreational Trails		\$	-	-	-	
					Other Statewide Items Subtotal ▶	\$	-	\$	-

▶ Section 2A / Non-Federal Projects

▶ Non Federal Aid									
			No Projects Programmed		NFA	\$	-	\$	-
					Non-Federal Aid Subtotal ▶	\$	-	\$	-

▶ Section 2B / Non-Federal Bridge Projects

▶ Section 2B / Non-Federal Bridge Projects									
			No Projects Programmed		NFA	\$	-	\$	-
					Section 2B / Non-Federal Bridge Projects Subtotal ▶	\$	-	\$	-

2017 OLD COLONY TIP Summary

		TIP Section 1: ▼		TIP Section 2: ▼		Total of All Projects ▼	
Total ▶	\$	10,912,361	\$	-	\$	10,912,361	◀ Total Spending in Region
Federal Funds ▶	\$	8,729,889	\$	-	\$	8,729,889	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$	2,182,472	\$	-	\$	2,182,472	◀ Total Non-Federal Spending in Region

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

2018 Old Colony Transportation Improvement Program

06/25/2015 Draft Released
07/28/2015 Endorsed

Amendment/Adjustment Type	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	MassDOT District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information		
Section 1A / Federal Aid Target Projects												
HSIP - Highway Safety Improvement Program												
				No Projects Programmed			\$ -	\$ -	\$ -			
							HSIP Subtotal	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal	
CMAQ - Congestion Mitigation and Air Quality Improvement Program												
	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; Phase is Construction		
							CMAQ Subtotal	\$ 3,897,438	\$ 3,117,950	\$ 779,488	◀ 80% Federal + 20% Non-Federal	
TAP - Transportation Alternatives Program												
				No Projects Programmed			\$ -	\$ -	\$ -			
							TAP Subtotal	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
Non-CMAQ/HSIP/TAP (Other)												
	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; Phase is Construction		
							Non-CMAQ/HSIP/TAP (Other) Subtotal	\$ 4,995,087	\$ 3,996,070	\$ 999,017	◀ 80% Federal + 20% Non-Federal	
Section 1A / Fiscal Constraint Analysis												
							Total Federal Aid Target Funds Programmed	\$ 8,892,525	\$ 9,829,237	◀ Total Target	\$ 936,712	Target Funds Available
							Total Non-CMAQ/HSIP/TAP (Other) Programmed	\$ 4,995,087	\$ 7,558,560	◀ Max. Non-CMAQ/HSIP/TAP	\$ 936,712	Non-CMAQ/HSIP/TAP (Other) A
							Total HSIP Programmed	\$ -	\$ 455,954	◀ Min. HSIP	\$ 455,954	HSIP Minimum Not Met
							Total CMAQ Programmed	\$ 3,897,438	\$ 1,424,858	◀ Min. CMAQ	\$ (2,472,580)	CMAQ Minimum Met
							Total TAP Programmed	\$ -	\$ 389,865	◀ Min. TAP	\$ 389,865	TAP Minimum Not Met
							HSIP, CMAQ, TAP Overprogrammed	\$ (1,626,761)				
Section 1B / Federal Aid Bridge Projects												
Statewide Bridge Maintenance Program												
				No Projects Programmed			\$ -	\$ -	\$ -			
							Statewide Bridge Maintenance Program Subtotal	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
On System												
				No Projects Programmed			\$ -	\$ -	\$ -			
							On System Subtotal	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
Off-System												
				No Projects Programmed			\$ -	\$ -	\$ -			
							Off-System Subtotal	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
Statewide Bridge Inspection Program												
				No Projects Programmed			\$ -	\$ -	\$ -			
							Statewide Bridge Inspection Program Subtotal	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
Section 1C / Federal Aid Non-Target Projects												
Other Federal Aid												
				No Projects Programmed			\$ -	\$ -	\$ -			
							Other Federal Aid Subtotal	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source	
Section 1D / Federal Aid Major & State Category Projects												
Statewide Infrastructure Program												
				No Projects Programmed			\$ -	\$ -	\$ -			

							Statewide Infrastructure Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
► Statewide HSIP Program														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide HSIP Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 90% Federal + 10% Non-Federal
► Statewide Safe Routes to Schools Program														
				No Projects Programmed			\$	-	\$	-	\$	-		Funding Split Varies by Funding Source
							Statewide Safe Routes to Schools Program Subtotal ▶	\$	-	\$	-	\$	-	◀ Funding Split Varies by Funding Source
► Statewide CMAQ														
	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; Phase is Construction
							Statewide CMAQ ▶	\$	4,542,720	\$	3,634,176	\$	908,544	◀ 80% Federal + 20% Non-Federal
► Statewide Transportation Enhancements														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide Transportation Enhancements Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
► Statewide ITS														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide ITS Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
► Statewide Interstate Maintenance Program														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide Interstate Maintenance Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 90% Federal + 10% Non-Federal
► Statewide NHS Preservation Program+														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide NHS Preservation Program Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
► Statewide RR Grade Crossings														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide RR Grade Crossings Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
► Statewide Stormwater Retrofits														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide Stormwater Retrofits Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
► Statewide ADA Implementation Plan														
				No Projects Programmed			\$	-	\$	-	\$	-		
							Statewide ADA Implementation Plan Subtotal ▶	\$	-	\$	-	\$	-	◀ 80% Federal + 20% Non-Federal
► Other Statewide Items														
				ABP GANS Repayment			\$	-	\$	-	\$	-		
				Award Adjustments, Change Orders, Project Value Changes, Etc.			\$	-	\$	-	\$	-		
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			\$	-	\$	-	\$	-		
				Planning			\$	-	\$	-	\$	-		
				Statewide Design and Right of Way			\$	-	\$	-	\$	-		
				Statewide Recreational Trails			\$	-	\$	-	\$	-		
							Other Statewide Items Subtotal ▶	\$	-	\$	-	\$	-	◀ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects														
► Non Federal Aid														
				No Projects Programmed		NFA	\$	-	\$	-	\$	-		
							Non-Federal Aid Subtotal ▶	\$	-	\$	-	\$	-	◀ 100% Non-Federal
► Section 2B / Non-Federal Bridge Projects														
► Section 2B / Non-Federal Bridge Projects														

		No Projects Programmed	NFA	\$ -	\$ -
Section 2B / Non-Federal Bridge Projects Subtotal				\$ -	\$ - ◀100% Non-Federal

2018 OLD COLONY TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 13,435,245	\$ -	\$ 13,435,245	◀ Total Spending in Region
Federal Funds ▶	\$ 10,748,196	\$ -	\$ 10,748,196	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 2,687,049	\$ -	\$ 2,687,049	◀ Total Non-Federal Spending in Region

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

2019 Old Colony Transportation Improvement Program

06/25/2015 Draft Released
07/28/2015 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							HSIP Subtotal ▶	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	608143	Old Colony	Brockton	BROCKTON- INTERSECTION IMPROVEMENTS AT NORTH QUINCY STREET, BOUNDARY AVENUE AND CHESTNUT STREET	5	CMAQ	\$ 2,240,448	\$ 1,792,358	\$ 448,090	YOE is \$2,240,446; Pre 25% Design; TEC Score is 8.05; Phase is Construction	
							CMAQ Subtotal ▶	\$ 2,240,448	\$ 1,792,358	\$ 448,090	◀ 80% Federal + 20% Non-Federal
► TAP - Transportation Alternatives Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							TAP Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Non-CMAQ/HSIP/TAP (Other)											
	607217	Old Colony		EASTON- CORRIDOR IMPROVEMENTS ON DEPOT STREET (ROUTE 123), FROM NEWELL CIRCLE TO WASHINGTON STREET (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; Phase is Construction	
							Non-CMAQ/HSIP/TAP (Other) Subtotal ▶	\$ 7,220,326	\$ 5,776,261	\$ 1,444,065	◀ 80% Federal + 20% Non-Federal
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ▶							\$ 9,460,774	\$ 9,829,237	◀ Total Target	\$ 368,463	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ▶							\$ 7,220,326	\$ 7,648,416	◀ Max. Non-CMAQ/HSIP/TAP	\$ 368,463	Non-CMAQ/HSIP/TAP (Other) A
Total HSIP Programmed ▶							\$ -	\$ 455,954	◀ Min. HSIP	\$ 455,954	HSIP Minimum Not Met
Total CMAQ Programmed ▶							\$ 2,240,448	\$ 1,424,858	◀ Min. CMAQ	\$ (815,590)	CMAQ Minimum Met
Total TAP Programmed ▶							\$ -	\$ 300,009	◀ Min. TAP	\$ 300,009	TAP Minimum Not Met
HSIP, CMAQ, TAP Overprogrammed \$							(59,627)				
► Section 1B / Federal Aid Bridge Projects											
► Statewide Bridge Maintenance Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Statewide Bridge Maintenance Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► On System											
				No Projects Programmed			\$ -	\$ -	\$ -		
							On System Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Off-System											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Off-System Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide Bridge Inspection Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Statewide Bridge Inspection Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects											
► Other Federal Aid											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Other Federal Aid Subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects											
► Statewide Infrastructure Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							Statewide Infrastructure Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide HSIP Program

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide HSIP Program Subtotal ►								\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal

► Statewide Safe Routes to Schools Program

			No Projects Programmed		\$ -	\$ -	\$ -	Funding Split Varies by Funding Source			
Statewide Safe Routes to Schools Program Subtotal ►								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Statewide CMAQ

	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; Phase is Construction	
	607941	Old Colony		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; Phase is Construction	
Statewide CMAQ ►								\$ 6,299,238	\$ 5,039,390	\$ 1,259,848	◀ 80% Federal + 20% Non-Federal

► Statewide Transportation Enhancements

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide Transportation Enhancements Subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide ITS

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide ITS Subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Interstate Maintenance Program

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide Interstate Maintenance Program Subtotal ►								\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal

► Statewide NHS Preservation Program+

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide NHS Preservation Program Subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide RR Grade Crossings

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide RR Grade Crossings Subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Stormwater Retrofits

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide Stormwater Retrofits Subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide ADA Implementation Plan

			No Projects Programmed		\$ -	\$ -	\$ -				
Statewide ADA Implementation Plan Subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Other Statewide Items

				ABP GANS Repayment			\$ -	\$ -	\$ -		
				Award Adjustments, Change Orders, Project Value Changes, Etc.			\$ -	\$ -	\$ -		
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			\$ -	\$ -	\$ -		
				Planning			\$ -	\$ -	\$ -		
				Statewide Design and Right of Way			\$ -	\$ -	\$ -		
				Statewide Recreational Trails			\$ -	\$ -	\$ -		
Other Statewide Items Subtotal ►								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Section 2A / Non-Federal Projects

► Non Federal Aid

		No Projects Programmed		NFA	\$ -	\$ -	
Non-Federal Aid Subtotal ▶					\$ -	\$ -	◀100% Non-Federal

► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

		No Projects Programmed		NFA	\$ -	\$ -	
Section 2B / Non-Federal Bridge Projects Subtotal ▶					\$ -	\$ -	◀100% Non-Federal

2019 OLD COLONY TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 15,760,012	\$ -	\$ 15,760,012	◀ Total Spending in Region
Federal Funds ▶	\$ 12,608,010	\$ -	\$ 12,608,010	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 3,152,002	\$ -	\$ 3,152,002	◀ Total Non-Federal Spending in Region

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Transportation Improvement Program (TIP)

DRAFT Project List (FY2016)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307												
5307	Brockton Area Transit Authority	300900	Operating/PM/ADA		\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$4,000,000
				Subtotal	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$4,000,000
5309												
				Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5310												
				Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5311												
				Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5337												
				Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5339												
				Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5320												
				Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Federal												
				Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Federal												
Other Non-Federal	Brockton Area Transit Authority	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)		\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000
Other Non-Federal	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT (Match for FY15)		\$0	\$6,000	\$0	\$0	\$0	\$0	\$0	\$6,000
Other Non-Federal	Brockton Area Transit Authority	111700	VEH OVERHAUL (UP TO 20% VEH MNT) (Match for FY15)		\$0	\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000
Other Non-Federal	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS (Match for FY15)		\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
Other Non-Federal	Brockton Area Transit Authority	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)		\$0	\$16,000	\$0	\$0	\$0	\$0	\$0	\$16,000
Other Non-Federal	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES (1) (Match for FY15)		\$0	\$7,600	\$0	\$0	\$0	\$0	\$0	\$7,600
Other Non-Federal	Brockton Area Transit Authority	114100	ENG & DES - BUS FUEL FAC (Match for FY15)		\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
				Subtotal	\$0	\$204,600	\$0	\$0	\$0	\$0	\$0	\$204,600
				Total	\$2,000,000	\$204,600	\$0	\$0	\$0	\$2,000,000	\$0	\$4,204,600

Transportation Improvement Program (TIP)

DRAFT Project List (FY2017)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost	
5307													
5307	Brockton Area Transit Authority	114406	REHAB/RENOVATE - SHOP EQUIPMENT	2015	\$40,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$50,000	
5307	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS	2015	\$96,000	\$24,000	\$0	\$0	\$0	\$0	\$0	\$120,000	
5307	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES (1)	2015	\$48,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$60,000	
5307	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2015, 2016	\$40,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$50,000	
5307	Brockton Area Transit Authority	111202	BUY REPLACEMENT 35-FT BUS (4)	2015, 2016	\$400,000	\$1,600,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000	
5307	Brockton Area Transit Authority	300900	Operating/PM/ADA	2015, 2016	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$4,000,000	
5307	Brockton Area Transit Authority	114305	CONSTRUCT - YARDS AND SHOPS	2015	\$200,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$250,000	
5307	Brockton Area Transit Authority	111201	BUY REPLACEMENT 40-FT BUS (4)	2016	\$392,000	\$1,568,000	\$0	\$0	\$0	\$0	\$0	\$1,960,000	
5307	Brockton Area Transit Authority	111700	VEH OVERHAUL (UP TO 20% VEH MAINT) (5)		\$156,000	\$624,000	\$0	\$0	\$0	\$0	\$0	\$780,000	
5307	Brockton Area Transit Authority	114210	ACQUIRE - MOBILE FARE COLL EQUIP - Student Pass	2015	\$20,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$25,000	
5307	Brockton Area Transit Authority	114400	REHAB/RENOVATE BUS SUPPORT FACIL Garage Sealant	2016	\$60,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$75,000	
					Subtotal	\$3,452,000	\$3,918,000	\$0	\$0	\$0	\$2,000,000	\$0	\$9,370,000
5309													
					Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5310													
					Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5311													
					Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5337													
					Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5339													
					Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5320													
					Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Federal													
					Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Federal													
Other Non-Federal	Brockton Area Transit Authority	300900	Operating: Saturday Evening Service		\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$150,000	
Other Non-Federal	Brockton Area Transit Authority	111204	BUY REPLACEMENT <30 FT BUS (7)		\$0	\$0	\$0	\$0	\$0	\$0	\$485,000	\$485,000	
Other Non-Federal	Brockton Area Transit Authority	111215	BUY REPLACEMENT VAN COA (3)		\$0	\$0	\$0	\$0	\$0	\$0	\$190,000	\$190,000	
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Sunday Service		\$0	\$0	\$0	\$0	\$0	\$175,000	\$175,000	\$350,000	
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Avon/Stoughton		\$0	\$0	\$0	\$0	\$0	\$28,000	\$28,000	\$56,000	
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Rockland		\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$100,000	
					Subtotal	\$0	\$0	\$0	\$0	\$328,000	\$1,003,000	\$1,331,000	
					Total	\$3,452,000	\$3,918,000	\$0	\$0	\$0	\$2,328,000	\$1,003,000	\$10,701,000

Transportation Improvement Program (TIP)

DRAFT Project List (FY2018)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307												
5307	Brockton Area Transit Authority	111202	BUY REPLACEMENT 35-FT BUS (4)		\$395,000	\$1,185,000	\$0	\$0	\$0	\$0	\$0	\$1,580,000
5307	Brockton Area Transit Authority	119202	PURCHASE BUS SHELTERS	2016	\$32,000	\$8,000	\$0	\$0	\$0	\$0	\$0	\$40,000
5307	Brockton Area Transit Authority	116400	REHAB/RENOV-COMMUNICATIONS EQ	2015	\$20,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$25,000
5307	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$80,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$100,000
5307	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS	2016	\$96,000	\$24,000	\$0	\$0	\$0	\$0	\$0	\$120,000
5307	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLE (1)	2016	\$40,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$50,000
			REHAB/RENOVATE - MOBILE FARE COLL									
5307	Brockton Area Transit Authority	114410	EQUIP	2016	\$400,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$500,000
5307	Brockton Area Transit Authority	300900	Operating/PM/ADA	2016, 2017	\$2,200,000	\$0	\$0	\$0	\$0	\$0	\$2,200,000	\$4,400,000
5307	Brockton Area Transit Authority	111201	BUY REPLACEMENT 40-FT BUS (4)		\$410,000	\$1,230,000	\$0	\$0	\$0	\$0	\$0	\$1,640,000
Subtotal					\$3,673,000	\$2,582,000	\$0	\$0	\$0	\$0	\$2,200,000	\$8,455,000
5309												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5310												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5311												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5337												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5339												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5320												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Federal												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Federal												
Other Non-Federal	Brockton Area Transit Authority	111207	BUY REPLACEMENT COMMUTER BUS (3)		\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000	\$1,800,000
Other Non-Federal	Brockton Area Transit Authority	111204	BUY REPLACEMENT <30 FT BUS (7)		\$0	\$0	\$0	\$0	\$0	\$0	\$515,000	\$515,000
Other Non-Federal	Brockton Area Transit Authority	111215	BUY REPLACEMENT VAN COA (3)		\$0	\$0	\$0	\$0	\$0	\$0	\$195,000	\$195,000
			CONSTRUCT - MISC BUS STATION									
Other Non-Federal	Brockton Area Transit Authority	113320	EQUIPMENT		\$0	\$120,000	\$0	\$0	\$0	\$0	\$480,000	\$600,000
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Rockland Service		\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$100,000
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Avon-Stoughton		\$0	\$0	\$0	\$0	\$0	\$28,000	\$28,000	\$56,000
			OPERATING ASSISTANCE - Saturday Evening									
Other Non-Federal	Brockton Area Transit Authority	300900	Service		\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$150,000
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Sunday Service		\$0	\$0	\$0	\$0	\$0	\$175,000	\$175,000	\$350,000
Subtotal					\$0	\$120,000	\$0	\$0	\$0	\$328,000	\$3,318,000	\$3,766,000
Total					\$3,673,000	\$2,702,000	\$0	\$0	\$0	\$328,000	\$5,518,000	\$12,221,000

Transportation Improvement Program (TIP)

DRAFT Project List (FY2019)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307												
5307	Brockton Area Transit Authority	111202	BUY REPLACEMENT 35-FT BUS (3)	2018	\$400,000	\$1,600,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000
5307	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2018	\$43,200	\$10,800	\$0	\$0	\$0	\$0	\$0	\$54,000
5307	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS		\$120,000	\$30,000	\$0	\$0	\$0	\$0	\$0	\$150,000
5307	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES	2018	\$48,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$60,000
5307	Brockton Area Transit Authority	111201	BUY REPLACEMENT 40-FT BUS (2) REHAB/RENOVATE - MOBILE		\$214,000	\$856,000	\$0	\$0	\$0	\$0	\$0	\$1,070,000
5307	Brockton Area Transit Authority	114409	SURVEILL/SECURITY EQUIP	2016	\$280,000	\$70,000	\$0	\$0	\$0	\$0	\$0	\$350,000
5307	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$320,000	\$80,000	\$0	\$0	\$0	\$0	\$0	\$400,000
5307	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2017	\$30,400	\$7,600	\$0	\$0	\$0	\$0	\$0	\$38,000
5307	Brockton Area Transit Authority	300900	Operating/PM/ADA	2017, 2018	\$2,400,000	\$0	\$0	\$0	\$0	\$0	\$2,400,000	\$4,800,000
5307	Brockton Area Transit Authority	111203	BUY REPLACEMENT 30-FT BUS (4 BSU)		\$180,000	\$720,000	\$0	\$0	\$0	\$0	\$0	\$900,000
Subtotal					\$4,035,600	\$3,386,400	\$0	\$0	\$0	\$0	\$2,400,000	\$9,822,000
5309												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5310												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5311												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5337												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5339												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5320												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Federal												
Subtotal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Federal												
Other Non-Federal	Brockton Area Transit Authority	111204	BUY REPLACEMENT <30 FT BUS DAB (7)		\$0	\$0	\$0	\$0	\$0	\$0	\$530,000	\$530,000
Other Non-Federal	Brockton Area Transit Authority	111215	BUY REPLACEMENT VAN COA (3)		\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Rockland		\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$100,000
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Avon-Stoughton		\$0	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$60,000
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Saturday Evening Service		\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$150,000
Other Non-Federal	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Sunday Service		\$0	\$0	\$0	\$0	\$0	\$175,000	\$175,000	\$350,000
Subtotal					\$0	\$0	\$0	\$0	\$0	\$330,000	\$1,060,000	\$1,390,000
Total					\$4,035,600	\$3,386,400	\$0	\$0	\$0	\$330,000	\$3,460,000	\$11,212,000

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

6. Annual Listing of Obligated Projects (FFY 2015 Advertisements)

COMMUNITY	ID	ADVERTISED	DESCRIPTION	TOTAL COST	FEDERAL	STATE
BROCKTON	608025	*	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), INCLUDING TRAFFIC SIGNALS UPGRADING AT MANLEY STREET AND THE V.A. HOSPITAL	\$ 4,071,487	\$ 3,257,190	\$ 814,297
BROCKTON	608087	*	BROCKTON - PEDESTRIAN IMPROVEMENTS AT VARIOUS LOCATIONS	\$ 506,616	\$ 455,954	\$ 50,662
PEMBROKE	604957	*	§ PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53, (Advance Construction Phase 1 of 2)	\$ 6,732,869	\$ 6,059,582	\$ 673,287
			Total Cost of Projects Advertised:	\$ 11,310,972	\$ 9,772,726	\$ 1,538,246

* Projects anticipated to be advertised by October 1, 2015

- ✓ As of the endorsement of the FFY 2016-2019 TIP on July 28, 2015, all of the projects programmed in FFY 2015 of the FFY 2015-2018 TIP were either advertised for construction bids, or anticipated to be advertised by October 1, 2015.

7. Air Quality Conformity Documentation

Since most of all of Massachusetts (with limited exceptions) was designated on 5/21/12 by the United States Environmental Protection Agency as “unclassifiable/ attainment” for the latest ozone standard, a conformity determination for the FFY 2016-2019 Old Colony TIP is not required. Further details and background information are provided below:

Introduction

The 1990 Clean Air Act Amendments (CAAA) require metropolitan planning organizations within nonattainment and maintenance areas to perform air quality conformity determinations prior to the approval of Regional Transportation Plans (RTPs) and Transportation Improvement Programs (TIPs), and at such other times as required by regulation. A nonattainment area is one that the U.S. Environmental Protection Agency (EPA) has designated as not meeting certain air quality standards. A maintenance area is a nonattainment area that now meets the standards and has been re-designated as maintaining the standard. A conformity determination is a demonstration that plans, programs, and projects are consistent with the State Implementation Plan (SIP) for attaining the air quality standards. The CAAA requirement to perform a conformity determination ensures that federal approval and funding go to transportation activities that are consistent with air quality goals.

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

2008 Ozone Nonattainment Area

As of July 20, 2013, Dukes County, Massachusetts [Dukes County Wampanoag Tribe of Gay Head (Aquinnah) of Massachusetts] is nonattainment, classification marginal, for the 2008 8-Hour Ozone National Ambient Air Quality Standard (NAAQS), also known as the 2008 ozone standard. Final Rule: “Air Quality Designations for the 2008 Ozone National Ambient Air Quality Standards,” Monday, May 21, 2012; (77 FR 30088); effective July 20, 2012.

Interagency Transportation Conformity Consultation has determined Dukes County, Massachusetts to be an isolated rural nonattainment area for the 2008 8-hour ozone standard.

Isolated rural nonattainment and maintenance areas are areas that do not contain or are not part of any metropolitan planning area as designated under the transportation planning regulations. Isolated rural areas do not have federally required metropolitan transportation plans or TIPs and do not have projects that are part of the emissions analysis of any MPO's metropolitan transportation plan or TIP. Projects in such areas are instead included in statewide transportation improvement programs. These areas are not donut areas. See 40 CFR Section 109(g) for conformity in isolated rural nonattainment and maintenance areas.

1997 Ozone Nonattainment Areas

As of July 20, 2013, the 1997 8-Hour Ozone NAAQS (the 1997 ozone standard) is revoked for transportation conformity purposes in the Boston-Lawrence-Worcester (E. Mass), Massachusetts and the Springfield (W. Mass), Massachusetts area. Transportation conformity no longer applies to the 1997 ozone NAAQS in Massachusetts. Final Rule: "Implementation of the 2008 National Ambient Air Quality Standards for Ozone: Nonattainment Area Classifications Approach, Attainment Deadlines and Revocation of the 1997 Ozone Standards for Transportation Conformity Purposes," Monday, May 21, 2012; (77 FR 30160); effective July 20, 2012.

Transportation conformity requirements under 40 CFR 93.109(b) that continue to apply:

These requirements must be addressed by Interagency Consultation and as appropriate the Transportation Plan (TP)/Transportation Improvement Program (TIP)/Transportation conformity evaluation document.

Latest Planning Assumptions

Latest emissions model

Consultation (including:

- Evaluating events which will trigger new conformity determinations in addition to those triggering events established in §93.104;
- Which projects should be considered to have a significant change in design concept and scope from the transportation plan or TIP;
- Whether projects otherwise exempted should be treated as non-exempt in cases where potential adverse emissions impacts may exist;
- Past obstacles to implementation of TCMs which are behind the schedule established in the applicable implementation plan have been identified and are being overcome;
- Whether State and local agencies with influence over approvals or funding for TCMs are giving maximum priority to approval or funding for TCMs; [This process shall also consider whether delays in TCM implementation necessitate revisions to the applicable implementation plan to remove TCMs or substitute TCMs or other emission reduction measures).

Congestion Mitigation and Air Quality Improvement (CMAQ) Program

The Congestion Mitigation and Air Quality Improvement (CMAQ) Program was created under the Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991, continued under the Transportation Equity Act for the 21st Century (TEA-21), the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), and the Moving Ahead for Progress in the 21st Century (MAP-21). The goals of the CMAQ program support: promoting operational and technological improvements, targeting major freight bottlenecks, and relieving urban congestion.

The purpose of the CMAQ program is to fund transportation projects or programs that will contribute to attainment or maintenance of the national ambient air quality standards (NAAQS) for ozone, carbon monoxide (CO), and particulate matter (PM). The main goal of the CMAQ program is to reduce emissions in nonattainment and maintenance areas and to mitigate congestion. Congestion relief can contribute to improvements in air quality by reducing travel delays, engine idle time, and unproductive fuel consumption.

Since congestion relief projects also reduce idling, the negative emissions effects of “stop and go” driving, and the number of vehicles on the road, they have a corollary benefit of improving air quality. Based on their emissions reductions, these types of projects, including investments in improved system pricing and operations, are eligible for CMAQ funding.

Eligible projects and programs include:

- Alternate Fuels and Vehicles
- Bicycle and Pedestrian Facilities and Programs
- Carpooling and Vanpooling
- Congestion Reduction & Traffic Flow Improvements
- Diesel Engine Retrofits & Other Advanced Truck Technologies
- Experimental Pilot Programs
- Extreme Low-Temperature Cold Start Programs
- Freight/Intermodal
- Idle Reduction
- Inspection/Maintenance (I/M) Programs
- Public Education and Outreach Activities
- Traffic Flow Improvements
- Training
- Transit Improvements
- Transportation Control Measures (TCMs)
- Transportation Management Associations
- Travel Demand Management

Part D. SUPPLEMENTAL INFORMATION

- 1. Endorsement of the FFY 2016-2019 Old Colony TIP**

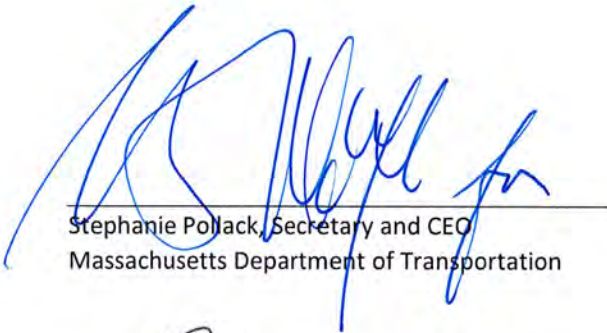
OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

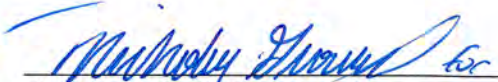
ENDORSEMENT OF

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

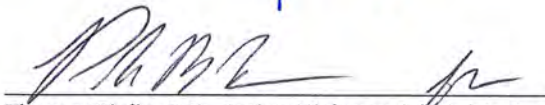
This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization, at their Old Colony MPO meeting on July 28, 2015 hereby approve and endorse the FFY 2016-2019 Old Colony Transportation Improvement Program (TIP) in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.


Stephanie Pollack, Secretary and CEO
Massachusetts Department of Transportation


7/28/15
Date


The Honorable Bill Carpenter, Mayor
City of Brockton

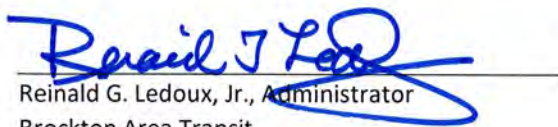
7/28/15
Date


Thomas Tinlin, P.E., Acting Highway Administrator
Massachusetts Department of Transportation

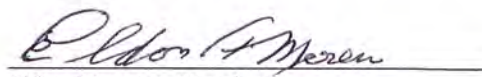
7/28/15
Date


for Kenneth Tavares, Chairman
Plymouth, Board of Selectmen

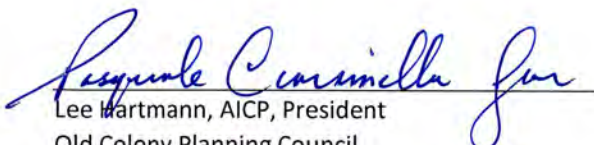
7/28/15
Date


Reinald G. Ledoux, Jr., Administrator
Brockton Area Transit

7-28-15
Date


Eldon Moreira, Member
West Bridgewater, Board of Selectmen

7/28/15
Date


Lee Hartmann, AICP, President
Old Colony Planning Council

7-28-15
Date


Daniel Salvucci, Vice-Chairman
Whitman, Board of Selectmen

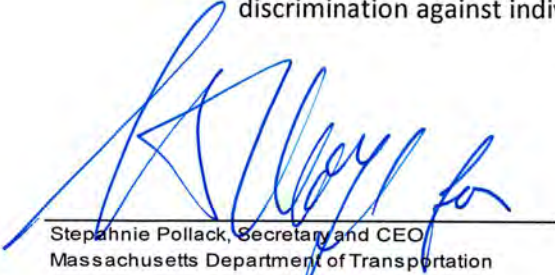
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- 2. Old Colony MPO Self Certification Compliance Statement - Comprehensive, Continuing, Cooperative Transportation Planning Process**

§450.334 - Old Colony MPO Self Certification Compliance Statement

This will certify that the Comprehensive, Continuing, Cooperative Transportation Planning Process for the Old Colony Metropolitan Planning Organization is addressing major issues facing the region and certifies that the metropolitan transportation planning process is being carried out in accordance with all applicable requirements including:

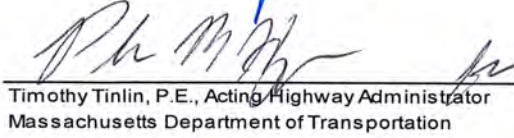
1. 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
2. In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
3. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
6. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) and 49 CFR parts 27, 37, and 38;
8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.


Stephanie Pollack, Secretary and CEO
Massachusetts Department of Transportation

7/28/15
Date


The Honorable Bill Carpenter, Mayor
City of Brockton

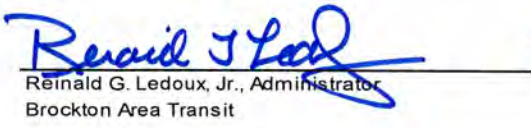
7/28/15
Date


Timothy Tinlin, P.E., Acting Highway Administrator
Massachusetts Department of Transportation

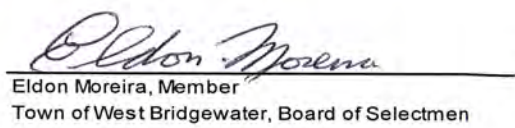
7/28/15
Date


Kenneth Tavares, Chairman
Town of Plymouth, Board of Selectmen

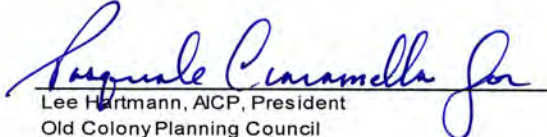
7/28/15
Date


Reinald G. Ledoux, Jr., Administrator
Brockton Area Transit

7-28-15
Date


Eldon Moreira, Member
Town of West Bridgewater, Board of Selectmen

7/28/15
Date


Lee Hartmann, AICP, President
Old Colony Planning Council

7-28-15
Date


Danfel Salvucci, Vice Chairman
Town of Whitman, Board of Selectmen

7/28/15
Date

- 3. Self-Certification Compliance Statement - 310 CMR 60.05: Global Warming Solutions Act Requirements for the Transportation Sector and the Massachusetts Department of Transportation**

310 CMR 60.05: Global Warming Solutions Act Requirements for the Transportation Sector and the Massachusetts Department of Transportation

Self-Certification Compliance Statement for Metropolitan Planning Organizations

This will certify that the FFY 2016-2019 Old Colony Transportation Improvement Program for Old Colony Metropolitan Planning Organization is in compliance with all applicable requirements in the State Regulation 310 CMR 60.05: Global Warming Solutions Act Requirements for the Transportation Sector and the Massachusetts Department of Transportation. The regulation requires the Metropolitan Planning Organizations (MPOs) to:

1. 310 CMR 60.05, 3(b)(1)(a): Evaluate and track the GHG emissions and impacts of RTPs and TIPs;
2. 310 CMR 60.05, 3(b)(1)(b): In consultation with MassDOT, develop and utilize procedures to prioritize and select projects in RTPs, TIPs, and STIPs based on factors that include GHG emissions and impacts;
3. 310 CMR 60.05, 3(b)(1)(c): Quantify net GHG emissions and impacts resulting from the projects in RTPs and TIPs and have made efforts to minimize GHG emissions and impacts;
4. 310 CMR 60.05, 3(b)(1)(d): Determine in consultation with the RPA that the appropriate planning assumptions used for GHG emissions modeling are consistent with local land use policies, or that local authorities have made documented and credible commitments to establishing such consistency;
5. 310 CMR 60.05, 4(a)(2)(a): Develop RTPs and TIPs;
6. 310 CMR 60.05, 4(a)(2)(b): Ensure that RPAs are using appropriate planning assumptions;
7. 310 CMR 60.05, 4(a)(2)(c): Perform regional GHG emissions analysis of RTPs and TIPs;
8. 310 CMR 60.05, 4(a)(2)(d): Calculate GHG emissions for RTPs and TIPs;
9. 310 CMR 60.05, 4(a)(2)(e): Develop public consultation procedures for GHG reporting and related GWSA requirements consistent with current and approved regional public participation plans;
10. 310 CMR 60.05, 4(c): Prior to making final endorsements on the RTPs, TIPs, STIPs, and projects included in these plans, MassDOT and the MPOs shall include the GHG Assessment and information on related GWSA activities in RTPs, TIPs, and STIPs and provide an opportunity for public review and comment on the RTPs, TIPs, and STIPs.
11. 310 CMR 60.05, 6(a): After a final GHG assessment has been made by MassDOT and the MPOs, MassDOT and the MPOs shall submit MPO-endorsed RTPs, TIPs or projects within 30 days of endorsement to the Department for review of the GHG assessment.

Stepahnie Pollack, Secretary and CEO
Massachusetts Department of Transportation

Date

The Honorable Bill Carpenter, Mayor
City of Brockton

Date

Timothy Tinlin, P.E., Acting Highway Administrator
Massachusetts Department of Transportation

Date

Kenneth Tavares, Chairman
Town of Plymouth, Board of Selectmen

Date

Reinald G. Ledoux, Jr., Administrator
Brockton Area Transit

Date

Eldon Moreira, Member
Town of West Bridgewater, Board of Selectmen

Date

Lee Hartmann, AICP, President
Old Colony Planning Council

Date

Daniel Salvucci, Vice Chairman
Town of Whitman, Board of Selectmen

Date

- 4. System Level Estimate of Needs and Cost for Maintaining and Operating the Highway System Transportation Evaluation Criteria (TEC)**

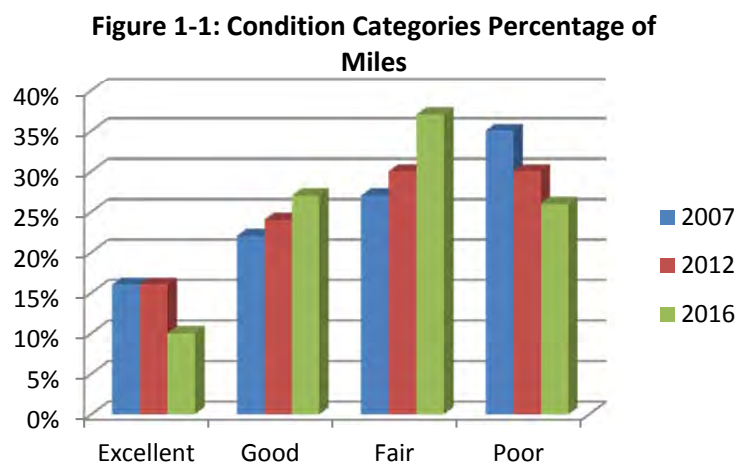
System Level Estimate of Needs and Cost for Maintaining and Operating the Highway System

Given the limited funding, competing priorities, and the comprehensive list of transportation needs, it is crucial to maintain and operate the current system at optimal efficiency, in a safe manner, and in a state of good repair. Also, various management and operation methodologies such as ITS, Transportation Demand Management strategies, Park and Ride Lots, Transit Signal Priority, and Corridor Management strategies such as traffic signal coordination will help the region obtain its goals of improving mobility, improving safety, reducing greenhouse gases, improving sustainability, and promoting economic development.

As such in order to develop a system level estimate of needs and cost for maintaining and operating the highway system, the Old Colony MPO has refined and updated its pavement management system (PMS) in keeping with the principles of objectives-driven, performance-based planning, and in fulfilling its goal of keeping the highway system in a state of good repair. A well-maintained system in good repair reduces delays (due to long reconstruction periods), enhances freight movement, improves economic vitality, and provides opportunities to implement Complete Streets strategies (improving the sidewalk and bicycle facilities network). The PMS calculates the rate of deterioration of pavement and the implications for the cost of repairs. It calculates a Pavement Condition Index (PCI) score between 0 and 100 for the surveyed road segments and recommends a repair and cost based on the PCI score. Each road or road segment is placed in a condition category based on the PCI, which includes “Poor” (PCI = 0 to 64), “Fair” (PCI = 65 to 84), “Good” (PCI = 85 to 94), and “Excellent (PCI = 95 to 100).

The Old Colony MPO updates field inspections of the pavement surface every four years and supplements the data on an ongoing basis, as pavement reconstruction and resurfacing projects are completed on federal aid roads through the Old Colony Transportation Improvement Program (TIP). The repairs recommended by the PMS, based on the road condition, include five general default repair strategies.

The total federal-aid road mileage in the region included in Old Colony’s PMS has increased to a total of 642 miles with the recent addition of Duxbury as an Old Colony member community. Figure 5-4 summarizes the percentage of the federal aid mileage in each of the condition categories for the 2016 Old Colony RTP and for previous RTPs in 2012 and 2007. Figure 1-1 shows that in the previous 2012 RTP, 16 percent of the federal aid roads were in the “Excellent” category, 24 percent in the “Good” category, 30 percent were in



roads were in the “Excellent” category, 24 percent in the “Good” category, 30 percent were in

the "Fair" category, and 30 percent were in the "Poor" category. In the 2007 RTP, 16 percent of the federal aid roads were in the "Excellent" category, 22 percent were in the "Good" category, 27 percent were in the "Fair" category, 35 percent were in the "Poor" category. The condition survey results from the 2014 pavement data survey show that although there are less roads in the "Poor" category, more of the federal aid roads have slipped into the "Good" and "Fair" categories (27 percent and 37 percent compared to the previous 24 percent and 30 percent). Old Colony has set a goal to achieve 50% of federal-aid eligible roadways with PCI-based pavement ranking of "Excellent" or "Good" within 10 years. The total cost in improving all federal aid roads to a state of good repair is estimated by the PMS at \$213,891,765. The overall average PCI for all federal-aid roads is 77.

5. Transportation Evaluation Criteria (TEC)

Old Colony Transportation Improvement Program (TIP) Transportation Evaluation Criteria (TEC)

The Old Colony MPO develops a Transportation Improvement Program (TIP) each year and utilizes Transportation Evaluation Criteria.

TIP Project Evaluation Criteria

The Old Colony MPO uses TIP project evaluation criteria to make the process of evaluating and selecting projects for programming in the TIP more logical and transparent. The criteria are a means of programming projects that will help the region attain the visions established by the Old Colony MPO, which include, to maintain a state of good repair, focus investments on existing activity centers, improve mobility for people and freight, reduce the level of greenhouse gas (GHG) emissions, minimize environmental burdens from transportation facilities on low-income and minority populations, and provide safe transportation for all modes. Projects with components and outcomes that help attain the goals of the Old Colony MPO receive higher scores.

The Old Colony MPO staff typically utilizes a Functional Design Report or Corridor Study to conduct a complete evaluation.

Evaluation of Projects

The evaluation results of projects being considered for the federal fiscal years (FFYs) 2016–2019 Transportation Improvement Program are included in the appendices. The table contains the total project rating for each project.

The TIP projects are evaluated and are scored in six of the seven criteria categories: (Condition, Mobility, Safety, Community Effects and support, Land Use and Economic Development, and Environmental Effects) on a scale of +3 to –3.

In general, this step scores the impact the evaluated project will have on each of the six criteria. The proposed rating scale is as follows:

- A score of +3 is highly beneficial,
- A score of zero is neutral or not applicable,
- A score of –3 is highly detrimental.

If there is no impact or the impact is mitigated so that there is no effect, the score is zero or not applicable. The score for each category should be the average of all of the individual criteria in each category.

The cost effectiveness category not be scored in order to mitigate concerns regarding equity among urban, suburban, and rural projects, but that the cost effectiveness ratios be calculated and shown for information purposes.

The category scores for a project are then combined into an overall score of between +18 and –18. Once the projects are scored, projects may be grouped by assigning each project, based on its score, to projects categories by range, to avoid false precision. For example, projects with scores of +15 to +18 may be deemed excellent, +10 to +14 very good, etc.

Staff Recommendation and Draft TIP

The staff uses evaluation ratings and project readiness information to prepare a First-Tier List of Projects. This is a list of the projects with the highest ratings that could be made ready for advertising within the TIP's time horizon (next four federal fiscal years). The staff relies on the MassDOT Highway Division to provide information about what year a project would be ready for advertising. In developing the recommendation for the draft TIP, the staff strongly considers the First-Tier List of Projects. The Old Colony MPO staff also factors in projects that are listed in the regional transportation plan in order to implement the RTP, considers geographic equity to help ensure that the list of projects addresses needs throughout the region, and accounts for cost to comply with fiscal constraint.

FFY 2016-2019 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

HIGHWAY PROJECTS EVALUATED USING TRANSPORTATION EVALUATION CRITERIA (

PROJECT ID#	PROJECT DESCRIPTION	TEC
603660	BRIDGEWATER - SIGNAL & INTERSECTION IMPROVEMENTS AT STATE ROUTE 18 & HIGH STREET	9
601644	BROCKTON - RESURFACING & RELATED WORK ON WEST ELM STREET, FROM WARREN AVENUE TO WEST STREET (6,800 FT.)	10
606071	EASTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 138 (TURNPIKE STREET) AND ROUTE 106 (FOUNDRY STREET)	6.45
605693	ABINGTON SAFE ROUTES TO SCHOOL (CENTER SCHOOL)	TBD
608085	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	2.15
608086	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	8.20
608088	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	10.80
PRE - PRC	BROCKTON - DOWNTOWN BROCKTON CIRCULATION	TBD
608143	BROCKTON - NORTH QUINCY STREET, CHESTNUT STREET, AND BOUNDARY AVENUE SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	8.05
PRE - PRC	BROCKTON - ROUTE 27 - CRESCENT STREET, LYMAN STREET, AND SUMMER STREET INTERSECTION IMPROVEMENTS	TBD
606036	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE	8.10
606143	BROCKTON- INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/QUINCY STREET/MASSASOIT BOULEVARD	8.25
606002	DUXBURY - SIGNAL INSTALLATION @ ROUTE 3 (NB & SB) RAMPS & ROUTE 3A (TREMONT STREET)	TBD
607941	EAST BRIDGEWATER - RESURFACING AND SIDEWALK CONSTRUCTION ON BEDFORD STREET (ROUTE 18), FROM WHITMAN STREET (ROUTE 106) TO CENTRAL STREET	TBD
607217	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION ON FROM NEWELL CIRCLE TO ROUTE 138	7.00
PRE - PRC	EASTON - ROUTE 138 & ELM STREET INTERSECTION SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	TBD
604098	EASTON - ROUTE 138 & TURNPIKE STREET INTERSECTION SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	6.45
607438	EASTON - ROUTE 138 @ UNION STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	7.85
604957	PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.I. TO ROUTE 53 AC PHASE 2 OF 2	7.00
600380	PEMBROKE - REHABILITATION OF ROUTE 36 FROM ROUTE 27 TO ROUTE 14	6.14
607337	PEMBROKE - ROUTE 53 AT PLEASANT STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	6.85
606264	PLYMOUTH - IMPROVEMENTS ON OBERY STREET, FROM SOUTH STREET TO A.A. CARANCI WAY/PLYMOUTH NORTH H.S. DRIVE INTERSECTION	7.97
PRE - PRC	PLYMOUTH - WATER STREET RECONSTRUCTION (SOUTH PARK AVENUE TO ROUTE 3A)	TBD
605038	PLYMOUTH- RECONSTRUCTION OF TAYLOR AVENUE, FROM WHITE HORSE ROAD TO MANOMET POINT ROAD, INCLUDES P-13-010	8.00
PRE - PRC	STOUGHTON - CANTON STREET (ROUTE 27) & SCHOOL STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	TBD
PRE - PRC	STOUGHTON - CENTRAL STREET & CANTON STREET (ROUTE 27) SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	TBD
PRE - PRC	STOUGHTON - CENTRAL STREET & PEARL STREET INTERSECTION IMPROVEMENTS	TBD
607403	STOUGHTON - INTERSECTION IMPROVEMENTS & RELATED WORK AT WASHINGTON STREET (ROUTE 138) & CENTRAL STREET	9.32
607214	STOUGHTON - RECONSTRUCTION OF TURNPIKE STREET	7.00
PRE - PRC	STOUGHTON - WASHINGTON STREET (ROUTE 138) & YORK STREET STOUGHTON - CANTON STREET (ROUTE 27) & SCHOOL STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	TBD
607860	WHITMAN - TRAFFIC SIGNAL IMPROVEMENTS & RELATED WORK ON BEDFORD STREET (ROUTE 18) AT 2 LOCATIONS: AUBURN STREET (ROUTE 14) & TEMPLE STREET (ROUTE 27)	9.25

STATE PROJECT EVALUATION CRITERIA

Highway-funded Preservation Projects

PROJECT TYPE				OTHER IMPACT CRITERIA		
	Condition	Usage	Cost Effectiveness	Community Effects and Support	Land Use and Economic Development	Environmental and Air Quality/ Climate Effects
Roadway Maintenance	Extent of light and moderate cracking (Main) <input type="checkbox"/>	Annual Average Daily Traffic (AADT) <input type="checkbox"/>	Cost per Unit Change in Condition	Residential effects: right-of-way, noise, aesthetics, other <input type="checkbox"/>	Business effects: right-of-way, access, noise, traffic, parking, freight access other <input type="checkbox"/>	Air Quality/Climate effects <input type="checkbox"/>
Roadway Resurfacing						
Roadway Reconstruction	Measure of skid resistance (Main/Resurf) <input type="checkbox"/>	Percentage of Trucks <input type="checkbox"/>	Cost per Linear Mile	Public, local government, legislative, and regional support <input type="checkbox"/>	Sustainable development effects <input type="checkbox"/>	Water quality/supply effects; wetlands effects <input type="checkbox"/>
	Measure of rideability (Resurf/Recon) <input type="checkbox"/>	NHS Status <input type="checkbox"/>		Effect on service to minority or low income neighborhoods <input type="checkbox"/>		
	Measure of surface condition (Resurf/Recon) <input type="checkbox"/>		Cost per AADT	Other Impact/benefit to minority or low income neighborhoods <input type="checkbox"/>	Consistent with regional land-use and economic development plans <input type="checkbox"/>	Historic and cultural resource effects <input type="checkbox"/>
	Pavement structural adequacy (Recon) <input type="checkbox"/>			Effect on development and redevelopment of housing stock <input type="checkbox"/>	Effect on job creation. <input type="checkbox"/>	
Avg. Score (-3 to +3) <input type="checkbox"/>		Avg. Score (-3 to +3) <input type="checkbox"/>		Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>
						Total Score (-18 to +18) <input type="checkbox"/>

STATE PROJECT EVALUATION CRITERIA

Highway-funded Improvement/Expansion Projects

PROJECT TYPE	THRESHOLD TRANSPORTATION CRITERIA				OTHER IMPACT CRITERIA		
	Condition and Service Quality	Mobility	Safety and Security	Cost Effectiveness	Community Effects and Support	Land Use and Economic Development	Environmental and Air Quality/ Climate Effects
Arterials/Intersection	Magnitude of pavement condition improvement <input type="checkbox"/>	Effect on magnitude and duration of congestion <input type="checkbox"/>	Effect on crash rate compared to state average <input type="checkbox"/>	Cost per Unit Change in Condition	Residential effects: right-of-way, noise, aesthetics, other <input type="checkbox"/>	Business effects: right-of-way, access, noise, traffic, parking, freight access other <input type="checkbox"/>	Air Quality/Climate effects <input type="checkbox"/>
Major Highways	Magnitude of improvement of other infrastructure elements <input type="checkbox"/>	Effect on travel time and connectivity/access <input type="checkbox"/>	Effect on bicycle and pedestrian safety <input type="checkbox"/>	Cost per Linear Mile	Public, local government, legislative, and regional support <input type="checkbox"/>	Sustainable development effects <input type="checkbox"/>	Water quality/supply effects; wetlands effects <input type="checkbox"/>
			NHS Status <input type="checkbox"/>		Effect on service to minority or low income neighborhoods <input type="checkbox"/>		
		Effect on other modes using facility <input type="checkbox"/>		Cost per AADT	Other Impact/benefit to minority or low income neighborhoods <input type="checkbox"/>	Consistent with regional land-use and economic development plans <input type="checkbox"/>	Historic and cultural resource effects <input type="checkbox"/>
		Effect on regional and local traffic <input type="checkbox"/>			Effect on development and redevelopment of housing stock <input type="checkbox"/>	Effect on job creation. <input type="checkbox"/>	
Avg. Score (-3 to +3) <input type="checkbox"/>		Avg. Score (-3 to +3) <input type="checkbox"/>		Avg. Score (-3 to +3) <input type="checkbox"/>		Avg. Score (-3 to +3) <input type="checkbox"/>	
							Total Score (-18 to +18) <input type="checkbox"/>

STATE PROJECT EVALUATION CRITERIA

Highway-funded Other Enhancements (non-bike/ped) Projects

PROJECT TYPE	THRESHOLD TRANSPORTATION CRITERIA				OTHER IMPACT CRITERIA		
	Condition and Service Quality	Mobility	Safety and Security	Cost Effectiveness	Community Effects and Support	Land Use and Economic Development	Environmental and Air Quality/ Climate Effects
Other Enhancements (non-bike/ped)	The extent to which the project improves the transportation system <input type="checkbox"/>	Number of users <input type="checkbox"/>	Effect on user safety/ security <input type="checkbox"/>	Cost per user <input type="checkbox"/>	Residential effects: right-of-way, noise, aesthetics, other <input type="checkbox"/>	Business effects: right-of-way, access, noise, traffic, parking, freight access other <input type="checkbox"/>	Air Quality/Climate effects <input type="checkbox"/>
		The extent to which the project is coordinated with other projects <input type="checkbox"/>			Public, local government, legislative, and regional support <input type="checkbox"/>	Sustainable development effects <input type="checkbox"/>	Water quality/supply effects; wetlands effects <input type="checkbox"/>
		The extent to which the project provides other benefits <input type="checkbox"/>			Effect on service to minority or low income neighborhoods <input type="checkbox"/>		
					Other Impact/benefit to minority or low income neighborhoods <input type="checkbox"/>	Consistent with regional land-use and economic development plans <input type="checkbox"/>	Historic and cultural resource effects <input type="checkbox"/>
					Effect on development and redevelopment of housing stock <input type="checkbox"/>	Effect on job creation. <input type="checkbox"/>	
	Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>		Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>
							Total Score (-18 to +18) <input type="checkbox"/>

STATE PROJECT EVALUATION CRITERIA

Highway-funded Bicycle Pedestrian Enhancement Projects

PROJECT TYPE	THRESHOLD TRANSPORTATION CRITERIA				OTHER IMPACT CRITERIA		
	Condition and Service Quality	Mobility	Safety and Security	Cost Effectiveness	Community Effects and Support	Land Use and Economic Development	Environmental and Air Quality/ Climate Effects
Bicycle/ Pedestrian Facilities Enhancements	Magnitude of surface condition improvement <input type="checkbox"/>	Number of users <input type="checkbox"/>	Effect of Bicycle Comfort Index <input type="checkbox"/>	Cost per user <input type="checkbox"/>	Residential effects: right-of-way, noise, aesthetics, other <input type="checkbox"/>	Business effects: right-of-way, access, noise, traffic, parking, freight access other <input type="checkbox"/>	Air Quality/Climate effects <input type="checkbox"/>
	Magnitude of improvement of other infrastructure elements <input type="checkbox"/>	Effect on travel time/ access/ connectivity for existing users <input type="checkbox"/>	Effect on pedestrian safety <input type="checkbox"/>	Cost per linear mile <input type="checkbox"/>	Public, local government, legislative, and regional support <input type="checkbox"/>	Sustainable development effects <input type="checkbox"/>	Water quality/supply effects; wetlands effects <input type="checkbox"/>
		Consistent with State Bicycle and/ or Pedestrian Plans <input type="checkbox"/>			Effect on service to minority or low income neighborhoods <input type="checkbox"/>		
					Other Impact/benefit to minority or low income neighborhoods <input type="checkbox"/>	Consistent with regional land-use and economic development plans <input type="checkbox"/>	Historic and cultural resource effects <input type="checkbox"/>
					Effect on development and redevelopment of housing stock <input type="checkbox"/>	Effect on job creation. <input type="checkbox"/>	
	Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>		Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>	Avg. Score (-3 to +3) <input type="checkbox"/>
							Total Score (-18 to +18) <input type="checkbox"/>

6. Federal Regional Funding Targets, and Statewide Summaries (FFY 2016-2019)

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2016
FEDERAL REGIONAL TARGETS
4/3/2015 - DRAFT

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation AFthority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation AFthority Available:	\$600,000,000		
ABP GANS Repayment	44,440,000		
Total Non-Earmarked Available Statewide - (Including State Match)	555,560,000	124,528,769	680,088,769
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$14,000,000	\$3,500,000	\$17,500,000
Statewide HSIP Program	\$27,500,000	\$3,055,556	\$30,555,556
Statewide Safe Routes to Schools Program	\$6,052,578	\$1,513,145	\$7,565,723
Statewide CMAQ	\$29,844,908	\$7,461,227	\$37,306,135
Statewide Transportation Enhancements	\$4,647,954	\$1,161,988	\$5,809,942
Statewide ITS	\$10,480,000	\$2,620,000	\$13,100,000
Statewide Interstate Maintenance Program	\$68,340,860	\$7,593,429	\$75,934,289
Statewide NHS Preservation Program	\$21,360,000	\$5,340,000	\$26,700,000
Statewide RR Grade Crossings	\$6,800,000	\$1,700,000	\$8,500,000
Statewide Stormwater Retrofits	\$5,475,120	\$1,368,780	\$6,843,900
Statewide ADA Implementation Plan	\$3,200,000	\$800,000	\$4,000,000
Subtotal Statewide Infrastructure Items:	\$197,701,420	\$36,314,124	\$234,815,544
Other Statewide Items:			
AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	\$22,219,720	\$5,554,930	\$27,774,650
Planning	\$16,800,000	\$4,200,000	\$21,000,000
Recreational Trails	\$800,000	\$200,000	\$1,000,000
DBEs, FAPO, Misc Programs	\$800,000	\$200,000	\$1,000,000
Design and Right of Way	\$0	\$0	\$0
Subtotal Other Statewide Items:	\$40,619,720	\$10,154,930	\$50,774,650
Regional Major Infrastructure Projects:	\$57,595,001	\$14,398,750	\$71,993,751
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$105,983,859	\$26,495,965	\$132,479,824
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$118,983,859	\$29,745,965	\$148,729,824
Total Regional Targets:			
CMAQ - Congestion Mitigation and Air Quality Improvement Prog	\$25,000,000	\$6,250,000	\$31,250,000
HSIP - Highway Safety Improvement Program	\$9,000,000	\$1,000,000	\$10,000,000
TAP - Transportation Alternatives Program	\$7,970,006	\$1,992,501	\$9,962,507
Regional Maximum Non-CMAQ / HSIP Component:	\$98,689,994	\$24,672,498	\$123,362,492
Total Regional Target	\$140,660,000	\$33,915,000	\$174,575,000

Region	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Regional TAP Component With State Match	Total Regional Target With State Match	NonCMAQ/ HSIP/TAP with State Match
Berkshire Region	\$355,964	\$1,112,389	\$0	\$6,214,248	\$4,745,895
Boston Region	\$4,296,710	\$13,427,220	\$5,097,438	\$75,009,821	\$52,188,452
Cape Cod	\$458,514	\$1,432,857	\$357,528	\$8,004,511	\$5,755,612
Central Mass	\$869,013	\$2,715,666	\$852,078	\$15,170,796	\$10,734,039
Franklin Region	\$253,975	\$793,671	\$0	\$4,433,762	\$3,386,116
Martha's Vineyard	\$30,997	\$96,865	\$0	\$541,128	\$413,266
Merrimack Valley	\$442,956	\$1,384,237	\$610,846	\$7,732,899	\$5,294,861
Montachusett	\$445,955	\$1,393,611	\$149,980	\$7,785,266	\$5,795,721
Nantucket	\$21,998	\$68,743	\$0	\$384,027	\$293,286
Northern Middlesex	\$390,961	\$1,221,753	\$490,607	\$6,825,200	\$4,721,879
Old Colony	\$455,954	\$1,424,858	\$600,019	\$7,959,824	\$5,478,993
Pioneer Valley	\$1,080,992	\$3,378,100	\$947,878	\$18,871,416	\$13,464,447
Southeastern Mass	\$896,010	\$2,800,033	\$856,134	\$15,642,102	\$11,089,925
Total:	\$10,000,000	\$31,250,000	\$9,962,507	\$174,575,000	\$123,362,492

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2017
FEDERAL REGIONAL TARGETS
4/3/2015 - DRAFT

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
ABP GANS Repayment	59,150,000		
Total Non-Earmarked Available Statewide - (Including State Match)	540,850,000	122,288,943	663,138,943
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$5,600,000	\$1,400,000	\$7,000,000
Statewide HSIP Program	\$22,000,000	\$2,444,444	\$24,444,444
Statewide Safe Routes to Schools Program	\$5,000,000	\$1,250,000	\$6,250,000
Statewide CMAQ	\$35,030,000	\$8,757,500	\$43,787,500
Statewide Transportation Enhancements	\$0	\$0	\$0
Statewide ITS	\$14,400,000	\$3,600,000	\$18,000,000
Statewide Interstate Maintenance Program	\$63,489,614	\$7,054,402	\$70,544,016
Statewide NHS Preservation Program	\$34,932,000	\$8,733,000	\$43,665,000
Statewide RR Grade Crossings	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Stormwater Retrofits	\$4,000,000	\$1,000,000	\$5,000,000
Statewide ADA Implementation Plan	\$3,200,000	\$800,000	\$4,000,000
Subtotal Statewide Infrastructure Items:	\$195,651,614	\$37,239,346	\$233,690,960
Other Statewide Items:			
AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	\$25,000,000	\$6,250,000	\$31,250,000
Planning	\$25,800,000	\$6,450,000	\$32,250,000
Recreational Trails	\$800,000	\$200,000	\$1,000,000
DBEs, FAPO, Misc Programs	\$800,000	\$200,000	\$1,000,000
Design and Right of Way	\$0	\$0	\$0
Subtotal Other Statewide Items:	\$52,400,000	\$13,100,000	\$65,500,000
Regional Major Infrastructure Projects:	\$7,200,000	\$1,800,000	\$9,000,000
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$106,338,386	\$26,584,597	\$132,922,983
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$119,338,386	\$29,834,597	\$149,172,983
Total Regional Targets:			
CMAQ - Congestion Mitigation and Air Quality Improvement Prog	\$25,000,000	\$6,250,000	\$31,250,000
HSIP - Highway Safety Improvement Program	\$9,000,000	\$1,000,000	\$10,000,000
TAP - Transportation Alternatives Program	\$7,970,006	\$1,992,501	\$9,962,507
Regional Maximum Non-CMAQ / HSIP Component:	\$124,289,994	\$31,072,499	\$155,362,493
Total Regional Target	\$166,260,000	\$40,315,000	\$206,575,000

Region	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Regional TAP Component With State Match	Total Regional Target With State Match	NonCMAQ/ HSIP/TAP with State Match
Berkshire Region	\$355,964	\$1,112,389	\$0	\$7,353,335	\$5,884,981
Boston Region	\$4,296,710	\$13,427,220	\$3,312,089	\$88,759,294	\$67,723,275
Cape Cod	\$458,514	\$1,432,857	\$232,306	\$9,471,756	\$7,348,079
Central Mass	\$869,013	\$2,715,666	\$553,642	\$17,951,638	\$13,813,317
Franklin Region	\$253,975	\$793,671	\$0	\$5,246,480	\$4,198,835
Martha's Vineyard	\$30,997	\$96,865	\$0	\$640,318	\$512,456
Merrimack Valley	\$442,956	\$1,384,237	\$396,901	\$9,150,357	\$6,926,265
Montachusett	\$445,955	\$1,393,611	\$97,450	\$9,212,324	\$7,275,308
Nantucket	\$21,998	\$68,743	\$0	\$454,420	\$363,679
Northern Middlesex	\$390,961	\$1,221,753	\$318,775	\$8,076,275	\$6,144,787
Old Colony	\$455,954	\$1,424,858	\$389,865	\$9,418,878	\$7,148,201
Pioneer Valley	\$1,080,992	\$3,378,100	\$615,889	\$22,330,590	\$17,255,610
Southeastern Mass	\$896,010	\$2,800,033	\$556,278	\$18,509,335	\$14,257,014
Total:	\$10,000,000	\$31,250,000	\$9,962,507	\$206,575,000	\$158,851,806

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2018
FEDERAL REGIONAL TARGETS
4/3/2015 - DRAFT

	Obligation Authority	Obl. Auth. Matching	Total Funding Based On
	State Funds	Obl. Auth.	
Base Obligation Authority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
ABP GANS Repayment	68,463,700		
Total Non-Earmarked Available Statewide - (Including State Match)	531,536,300	120,126,726	651,663,026
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$5,600,000	\$1,400,000	\$7,000,000
Statewide HSIP Program	\$24,000,000	\$2,666,667	\$26,666,667
Statewide Safe Routes to Schools Program	\$5,000,000	\$1,250,000	\$6,250,000
Statewide CMAQ	\$38,400,000	\$9,600,000	\$48,000,000
Statewide Transportation Enhancements	\$0	\$0	\$0
Statewide ITS	\$11,920,000	\$2,980,000	\$14,900,000
Statewide Interstate Maintenance Program	\$60,292,914	\$6,699,213	\$66,992,127
Statewide NHS Preservation Program	\$31,000,000	\$7,750,000	\$38,750,000
Statewide RR Grade Crossings	\$4,800,000	\$1,200,000	\$6,000,000
Statewide Stormwater Retrofits	\$4,000,000	\$1,000,000	\$5,000,000
Statewide ADA Implementation Plan	\$3,200,000	\$800,000	\$4,000,000
Subtotal Statewide Infrastructure Items:	\$188,212,914	\$35,545,879	\$224,558,793
Other Statewide Items:			
AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	\$25,000,000	\$6,250,000	\$31,250,000
Planning	\$24,800,000	\$6,200,000	\$31,000,000
Recreational Trails	\$800,000	\$200,000	\$1,000,000
DBEs, FAPO, Misc Programs	\$800,000	\$200,000	\$1,000,000
Design and Right of Way	\$0	\$0	\$0
Subtotal Other Statewide Items:	\$51,400,000	\$12,850,000	\$64,250,000
Regional Major Infrastructure Projects:	\$0	\$0	\$0
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$105,463,386	\$26,365,847	\$131,829,233
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$118,463,386	\$29,615,847	\$148,079,233
Total Regional Targets:			
CMAQ - Congestion Mitigation and Air Quality Improvement Progr:	\$25,000,000	\$6,250,000	\$31,250,000
HSIP - Highway Safety Improvement Program	\$9,000,000	\$1,000,000	\$10,000,000
TAP - Transportation Alternatives Program	\$7,970,006	\$1,992,501	\$9,962,507
Regional Maximum Non-CMAQ / HSIP Component:	\$131,489,994	\$32,872,499	\$164,362,493
Total Regional Target	\$173,460,000	\$42,115,000	\$215,575,000

Region	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Regional TAP Component With State Match	Total Regional Target With State Match	NonCMAQ/ HSIP/TAP with State Match
Berkshire Region	\$355,964	\$1,112,389	\$0	\$7,673,703	\$6,205,349
Boston Region	\$4,296,710	\$13,427,220	\$3,312,089	\$92,626,333	\$71,590,315
Cape Cod	\$458,514	\$1,432,857	\$232,306	\$9,884,419	\$7,760,742
Central Mass	\$869,013	\$2,715,666	\$553,642	\$18,733,750	\$14,595,428
Franklin Region	\$253,975	\$793,671	\$0	\$5,475,057	\$4,427,412
Martha's Vineyard	\$30,997	\$96,865	\$0	\$668,216	\$540,353
Merrimack Valley	\$442,956	\$1,384,237	\$396,901	\$9,549,017	\$7,324,925
Montachusett	\$445,955	\$1,393,611	\$97,450	\$9,613,684	\$7,676,667
Nantucket	\$21,998	\$68,743	\$0	\$474,218	\$383,477
Northern Middlesex	\$390,961	\$1,221,753	\$318,775	\$8,428,140	\$6,496,651
Old Colony	\$455,954	\$1,424,858	\$389,865	\$9,829,237	\$7,558,560
Pioneer Valley	\$1,080,992	\$3,378,100	\$615,889	\$23,303,483	\$18,228,502
Southeastern Mass	\$896,010	\$2,800,033	\$556,278	\$19,315,744	\$15,063,424
Total:	\$10,000,000	\$31,250,000	\$9,962,507	\$215,575,000	\$167,851,806

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2019
FEDERAL REGIONAL TARGETS
4/3/2015 - DRAFT

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
ABP GANS Repayment	73,525,150		
Total Non-Earmarked Available Statewide - (Including State Match)	526,474,850	130,368,713	656,843,563
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$0	\$0	\$0
Statewide HSIP Program	\$24,000,000	\$2,666,667	\$26,666,667
Statewide Safe Routes to Schools Program	\$5,000,000	\$1,250,000	\$6,250,000
Statewide CMAQ	\$44,363,162	\$11,090,791	\$55,453,953
Statewide Transportation Enhancements	\$0	\$0	\$0
Statewide ITS	\$20,000,000	\$5,000,000	\$25,000,000
Statewide Interstate Maintenance Program	\$57,646,464	\$14,411,616	\$72,058,080
Statewide NHS Preservation Program	\$28,000,000	\$7,000,000	\$35,000,000
Statewide RR Grade Crossings	\$3,800,000	\$950,000	\$4,750,000
Statewide Stormwater Retrofits	\$3,000,000	\$750,000	\$3,750,000
Statewide ADA Implementation Plan	\$0	\$0	\$0
Subtotal Statewide Infrastructure Items:	\$185,809,626	\$46,452,407	\$232,262,033
Other Statewide Items:			
AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	\$25,000,000	\$6,250,000	\$31,250,000
Planning	\$23,800,000	\$5,950,000	\$29,750,000
Recreational Trails	\$800,000	\$200,000	\$1,000,000
DBEs, FAPO, Misc Programs	\$800,000	\$200,000	\$1,000,000
Design and Right of Way	\$0	\$0	\$0
Subtotal Other Statewide Items:	\$50,400,000	\$12,600,000	\$63,000,000
Regional Major Infrastructure Projects:	\$0	\$0	\$0
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$103,805,224	\$25,951,306	\$129,756,530
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$116,805,224	\$29,201,306	\$146,006,530
Total Regional Targets:			
CMAQ - Congestion Mitigation and Air Quality Improvement Program	\$25,000,000	\$6,250,000	\$31,250,000
HSIP - Highway Safety Improvement Program	\$9,000,000	\$1,000,000	\$10,000,000
TAP - Transportation Alternatives Program	\$5,278,555	\$1,319,639	\$6,598,194
Regional Maximum Non-CMAQ / HSIP Component:	\$134,181,445	\$33,545,361	\$167,726,806
Total Regional Target	\$173,460,000	\$42,115,000	\$215,575,000

Region	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Regional TAP Component With State Match	Total Regional Target With State Match	NonCMAQ/HSIP/TAP with State Match
Berkshire Region	\$355,964	\$1,112,389	\$0	\$7,673,703	\$6,205,349
Boston Region	\$4,296,710	\$13,427,220	\$2,548,719	\$92,626,333	\$72,353,684
Cape Cod	\$458,514	\$1,432,857	\$178,764	\$9,884,419	\$7,814,284
Central Mass	\$869,013	\$2,715,666	\$426,039	\$18,733,750	\$14,723,032
Franklin Region	\$253,975	\$793,671	\$0	\$5,475,057	\$4,427,412
Martha's Vineyard	\$30,997	\$96,865	\$0	\$668,216	\$540,353
Merrimack Valley	\$442,956	\$1,384,237	\$305,423	\$9,549,018	\$7,416,402
Montachusett	\$445,955	\$1,393,611	\$74,990	\$9,613,684	\$7,699,128
Nantucket	\$21,998	\$68,743	\$0	\$474,218	\$383,477
Northern Middlesex	\$390,961	\$1,221,753	\$245,303	\$8,428,140	\$6,570,122
Old Colony	\$455,954	\$1,424,858	\$300,009	\$9,829,237	\$7,648,416
Pioneer Valley	\$1,080,992	\$3,378,100	\$473,939	\$23,303,483	\$18,370,452
Southeastern Mass	\$896,010	\$2,800,033	\$428,067	\$19,315,744	\$15,191,634
Total:	\$10,000,000	\$31,250,000	\$6,598,194	\$215,575,000	\$169,343,747

7. Statewide Project Detailed Listing

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Infrastructure Program

603917	BOSTON	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. See also, FFY2017 = \$2,500,000. Total TFPCC \$17,500,000.
605733	BOSTON	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. See also, FFY 2017 = \$4,500,000, FFY 2018 = \$1,000,000. TFPCC = \$8,250,000

Statewide Infrastructure Subtotal ► \$ 17,500,000 \$ 14,000,000 \$ 3,500,000 ◀ 80% Federal + 20% Non-Federal

Fed Aid Target \$ 14,000,000

Difference \$ -

Constrained? Yes

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Infrastructure Program

603917	BOSTON	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. See also, FFY2016 = \$2,500,000 Total TFPCC \$17,500,000.
605733	BOSTON	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. See also, FFY 2016 = \$2,500,000, FFY 2018 = \$1,000,000. TFPCC = \$8,250,000

Statewide Infrastructure Subtotal ► \$ 7,000,000 \$ 5,600,000 \$ 1,400,000 ◀ 80% Federal + 20% Non-Federal
 Fed Aid Target \$ 5,600,000
 Difference \$ -
 Constrained? Yes

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Infrastructure Program

605733	BOSTON	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. See also, FFY2016 = \$2,500,000, FFY2017 = \$4,500,000. Total TFPCC \$8,250,000.
606381	BOSTON	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	4	STP	\$ 5,750,000	\$ 4,600,000	\$ 1,150,000	AC Year 1 of 2. Total cost = \$9,450,000

Statewide Infrastructure Subtotal ►	\$ 7,000,000	\$ 5,600,000	\$ 1,400,000	◀ 80% Federal + 20% Non-Federal
	Fed Aid Target	\$ 5,600,000		
	Difference	\$ -		
	Constrained?	Yes		

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Infrastructure Program

606381	BOSTON	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE 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 Subtotal ►					\$ 3,700,000	\$ 2,960,000	\$ 740,000	◀ 80% Federal + 20% Non-Federal

Fed Aid Target \$ -
 Difference \$ 2,960,000
 Constrained? No

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Highway Safety Improvement Program								
607495	STATEWIDE	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE I)	SW	HSIP	\$ 5,161,000	\$ 4,644,900	\$ 516,100	
SHSP	STATEWIDE	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES	SW	HSIP	\$ 3,820,556	\$ 3,438,500	\$ 382,056	
607960	MONTACHUSETT	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 TFPC = \$1,248,000. Required under MAP-21 HRRRP rule
608024	STATEWIDE	STATEWIDE - CONVERSION OF INTERSTATE AND FREEWAY EXIT NUMBERS TO MILEPOST-BASED	SW	HSIP	\$ 2,000,000	\$ 1,800,000	\$ 200,000	
608170	CENTRAL MASS	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	Required under MAP-21 HRRRP rule
608169	CENTRAL MASS	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	Required under MAP-21 HRRRP rule
608168	CENTRAL MASS	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	Required under MAP-21 HRRRP rule
607176	CENTRAL MASS	SHREWSBURY- NORTHBOROUGH- WESTBOROUGH- RESURFACING AND RELATED WORK ON ROUTE 9	3	HSIP	\$ 350,000	\$ 315,000	\$ 35,000	Was 607442 Route 9/Route 20 safety improvements which will be incorporated into the 607176 project which is a much larger project. \$13,799,320 Total Cost = \$12,949,320 NHS + \$350K HSIP + \$500k Stormwater.
607918	CAPE CODE	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	
607753	CAPE CODE	BARNSTABLE- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 28 (FALMOUTH ROAD) AT STRAWBERRY HILL ROAD	5	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
607735	PVPC	SOUTH HADLEY- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 202 (GRANBY ROAD) & ROUTE 33 (LYMAN STREET)	1	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
607752	NORTHERN MIDDLESEX	LOWELL- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 113 (VARNUM AVENUE & VFW HIGHWAY) AT MAMMOTH ROAD & VFW AT AIKEN STREET	4	HSIP	\$ 1,100,000	\$ 990,000	\$ 110,000	

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
607755	BOSTON	WEYMOUTH- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 53 (WASHINGTON STREET) AT MUTTON LANE & PLEASANT STREET	6	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
607764	CMRPC	SHREWSBURY- INTERSECTION & SIGNAL IMPROVEMENT AT US 20 (HARTFORD TURNPIKE) AT GRAFTON STREET	3	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
606620	STATEWIDE	RAYNHAM TO BOLTON- GUIDE & TRAFFIC SIGN REPLACEMENT ON I-495	SW	HSIP	\$ 5,950,000	\$ 5,355,000	\$ 595,000	
Statewide HSIP Subtotal ►					\$ 30,555,556	\$ 27,500,000	\$ 3,055,556	◀ 90% Federal + 10% Non-Federal
					Fed Aid Target	\$ 27,500,000		
					Difference	\$ 0		
					Constrained?	Yes		

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Highway Safety Improvement Program

SHSP	STATEWIDE	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES	SW	HSIP	\$ 5,470,444	\$ 4,923,400	\$ 547,044	
607960	MONTACHUSETT	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 TFPC = \$1,248,000. Required under MAP-21 HRRRP rule
607496	STATEWIDE	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE II)	SW	HSIP	\$ 8,400,000	\$ 7,560,000	\$ 840,000	
607916	STATEWIDE	FALL RIVER TO RANDOLPH- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 24	5	HSIP	\$ 5,500,000	\$ 4,950,000	\$ 550,000	
607736	PIONEER VALLEY	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	
607754	BOSTON	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT GRANITE AVENUE & SQUANTUM STREET	6	HSIP	\$ 350,000	\$ 315,000	\$ 35,000	

Statewide HSIP Subtotal ►	\$ 24,444,444	\$ 22,000,000	\$ 2,444,444	◀ 90% Federal + 10% Non-Federal
	Fed Aid Target	\$ 22,000,000		
	Difference	\$ (0)		
	Constrained?	Yes		

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Highway Safety Improvement Program

HSIP	STATEWIDE	STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES	SW	HSIP	\$ 2,883,223	\$ 2,594,901	\$ 288,322	
607917	CENTRAL MASS	AUBURN TO WORCESTER- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 290	SW	HSIP	\$ 4,200,000	\$ 3,780,000	\$ 420,000	
607919	STATEWIDE	BOLTON TO LOWELL- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 495	SW	HSIP	\$ 2,700,000	\$ 2,430,000	\$ 270,000	
607496	STATEWIDE	STATEWIDE- RETROREFLECTIVE SIGN UPGRADE ON SECONDARY ROADS (PHASE II)	SW	HSIP	\$ 9,333,444	\$ 8,400,100	\$ 933,344	
608204	STATEWIDE	ATTLEBORO TO NORWOOD - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 95	5	HSIP	\$ 4,000,000	\$ 3,600,000	\$ 400,000	
607760	BERKSHIRE	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	
607748	BOSTON	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	
607761	BOSTON	SWAMPSCOTT- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 1A (PARADISE ROAD) AT SWAMPSCOTT MALL	4	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	

Statewide HSIP Subtotal ►	\$ 26,666,667	\$ 24,000,000	\$ 2,666,667	◀ 90% Federal + 10% Non-Federal
Fed Aid Target	\$ 24,000,000			
Difference	\$ 0			
Constrained?		Yes		

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Highway Safety Improvement Program

HSIP	MPO	Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
STATEWIDE		STATEWIDE- VARIOUS SAFETY STRATEGIES TO BE DETERMINED BASED ON 2013 SHSP AND UPDATES	Statewide	HSIP	\$ 11,316,667	\$ 10,185,000	\$ 1,131,667	
608205	BOSTON	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	
608187	MERRIMACK VALLEY	HAVERTHILL- MERRIMACK- AMESBURY- TRAFFIC & GUIDE SIGN REPLACEMENT ON A SECTION OF I-495	4	HSIP	\$ 2,100,000	\$ 1,890,000	\$ 210,000	
608206	BOSTON	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	
607756	BERKSHIRE	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	
607757	CENTRAL MASS	WORCESTER- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE SR 122A (PROVIDENCE STREET) AT MILLBURY STREET & MCKEON ROAD	3	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
607759	BOSTON	BOSTON- INTERSECTION & SIGNAL IMPROVEMENTS AT THE VFW PARKWAY & SPRING STREET	6	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
608052	BOSTON	NORWOOD- INTERSECTION & SIGNAL IMPROVEMENTS AT US 1 (PROVIDENCE HIGHWAY) & MORSE STREET	5	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
608053	SOUTHEASTERN MASS	MANSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 140 (COMMERCIAL STREET) & SR 106 (CHAUNCEY STREET)	5	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
607763	BOSTON	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	

Statewide HSIP Subtotal ►	\$ 26,666,667	\$ 24,000,000	\$ 2,666,667	◀90% Federal + 10% Non-Federal
		Fed Aid Target \$ 24,000,000		
		Difference \$ 0		

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► SRTS - Safe Routes to School Program

607997	BOSTON	SAUGUS - SAFE ROUTES TO SCHOOL (VETERANS MEMORIAL)	4	TAP	\$ 662,612	\$ 530,090	\$ 132,522	
608002	MERRIMACK VALLEY	LAWRENCE - SAFE ROUTES TO SCHOOL (BRUCE ELEMENTARY)	4	TAP	\$ 812,500	\$ 650,000	\$ 162,500	
607242	MONTACHUS ETT	FITCHBURG - SAFE ROUTES TO SCHOOL (SOUTH STREET ELEMENTARY)	3	TAP	\$ 884,000	\$ 707,200	\$ 176,800	
607998	BOSTON	EVERETT - SAFE ROUTES TO SCHOOL (MADELAINE ENGLISH)	4	TAP	\$ 602,608	\$ 482,086	\$ 120,522	
607999	BOSTON	REVERE - SAFE ROUTES TO SCHOOL (GARFIELD ELEMENTARY & MIDDLE SCHOOL)	4	TAP	\$ 874,113	\$ 699,290	\$ 174,823	
608000	BOSTON	BEDFORD - SAFE ROUTES TO SCHOOL (JOHN GLENN MIDDLE)	4	TAP	\$ 780,000	\$ 624,000	\$ 156,000	
607453	PIONEER VALLEY	SOUTHAMPTON - SAFE ROUTES TO SCHOOL (NORRIS ELEMENTARY)	2	TAP	\$ 827,064	\$ 665,600	\$ 166,400	
SRTS	STATEWIDE	SRTS - Education	SW	STP-TE	\$ 891,633	\$ 713,306	\$ 178,327	
SRTS	STATEWIDE	SRTS - Planning & Design and selected schools	SW	STP-TE	\$ 800,000	\$ 640,000	\$ 160,000	

SRTS Subtotal ►	\$ 7,134,530	\$ 5,711,573	\$ 1,427,893	◀ Funding Split Varies by Project Specifications
Fed Aid Target	\$ 6,052,578			
Difference	\$ (341,005)			
Constrained?	Yes			

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► SRTS - Safe Routes to School Program

608001	SOUTHEASTERN MASS	FALL RIVER - SAFE ROUTES TO SCHOOL (VIVEIROS ELEMENTARY)	5	TAP	\$ 1,040,000	\$ 832,000	\$ 208,000	
608003	BOSTON	WEYMOUTH - SAFE ROUTES TO SCHOOL (PINGREE ELEMENTARY)	6	TAP	\$ 754,000	\$ 603,200	\$ 150,800	
608004	BOSTON	WATERTOWN - SAFE ROUTES TO SCHOOL (HOSMER ELEMENTARY)	6	TAP	\$ 903,500	\$ 722,800	\$ 180,700	
SRTS	STATEWIDE	SRTS Projects	SW	TAP	\$ 1,696,939	\$ 1,357,551	\$ 339,388	Projects TBD
SRTS	STATEWIDE	SRTS - Education	SW	STP-TE	\$ 947,835	\$ 758,268	\$ 189,567	
SRTS	STATEWIDE	SRTS - Planning & Design and selected schools	SW	STP-TE	\$ 907,726	\$ 726,181	\$ 181,545	

SRTS Subtotal ►	\$ 6,250,000	\$ 5,000,000	\$ 1,250,000	◀ Funding Split Varies by Project Specifications
Fed Aid Target	\$ 5,000,000			
Difference	\$ (0)			
Constrained?	Yes			

► Statewide Transportation Enhancement Program

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► SRTS - Safe Routes to School Program

SRTS	STATEWIDE	SRTS Projects	SW	TAP	\$ 5,961,776	\$ 4,769,421	\$ 1,192,355	Projects TBD
SRTS	STATEWIDE	SRTS - Education	SW	STP-TE	\$ 925,362	\$ 740,290	\$ 185,072	
SRTS	STATEWIDE	SRTS - Planning & Design and selected schools	SW	STP-TE	\$ 925,362	\$ 740,290	\$ 185,072	

SRTS Subtotal ►	\$ 7,812,500	\$ 6,250,000	\$ 1,562,500	◀ Funding Split Varies by Project Specifications
	Fed Aid Target	\$ 6,250,000		
	Difference	\$ 0		
	Constrained?	Yes		

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► SRTS - Safe Routes to School Program

SRTS	STATEWIDE	SRTS Projects	SW	TAP	\$ 5,944,581	\$ 4,755,665	\$ 1,188,916	Projects TBD
SRTS	STATEWIDE	SRTS - Education	SW	STP-TE	\$ 942,557	\$ 754,046	\$ 188,511	
SRTS	STATEWIDE	SRTS - Planning & Design and selected schools	SW	STP-TE	\$ 925,362	\$ 740,290	\$ 185,072	

SRTS Subtotal ►	\$ 7,812,500	\$ 6,250,000	\$ 1,562,500	◀ Funding Split Varies by Project Specifications
	Fed Aid Target	\$ 6,250,000		
	Difference	\$ 0		
	Constrained?	Yes		

Congestion Mitigation and Air Quality Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Congestion Mitigation and Air Quality Program								
601579	BOSTON	WAYLAND- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND ROUTE 30 (COMMONWEALTH ROAD)	3	CMAQ	\$ 2,425,710	\$ 1,940,568	\$ 485,142	
605189	BOSTON	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	
606316	BOSTON	BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET	6	CMAQ	\$ 2,846,700	\$ 2,277,360	\$ 569,340	
603477	PIONEER VALLEY	SOUTHWICK- INTERSECTION IMPROVEMENTS AT FOUR LOCATIONS ON ROUTE 57 (FEEDING HILLS ROAD)	2	CMAQ	\$ 3,551,223	\$ 2,840,978	\$ 710,245	
605679	SOUTHEASTERN MASSACHUSETTS	TAUNTON- INTERSECTION IMPROVEMENTS AT COUNTY STREET (ROUTE 140) AND HART STREET	5	CMAQ	\$ 1,500,000	\$ 1,200,000	\$ 300,000	\$1.5m + (Add Region's project cost and show total project TFPC)
605677	SOUTHEASTERN MASSACHUSETTS	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	\$3.3m + (Add Region's project cost and show total project TFPC)
605367	SOUTHEASTERN MASSACHUSETTS	TAUNTON- INTERSECTION IMPROVEMENTS AT THE HON. GORDON M. OWEN RIVERWAY & WILLIAMS STREET	5	CMAQ	\$ 941,104	\$ 752,883	\$ 188,221	
ADAPT	STATEWIDE	ADAPTIVE SIGNAL CONTROLS AT 11 INTERSECTIONS	0	CMAQ	\$ 400,000	\$ 320,000	\$ 80,000	
RTA001	STATEWIDE	BUSPLUS ROUTE 2 & COMMUTER SERVICE	0	CMAQ	\$ 2,900,000	\$ 2,900,000	\$ -	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.
PRKLOT	STATEWIDE	PARK AND RIDE LOT EXPANSION/CONSTRUCTION/IMPROVEMENT PROGRAM	0	CMAQ	\$ 2,000,000	\$ 1,600,000	\$ 400,000	Amount reduced due to limited scope of projects
82865	STATEWIDE	MASSRIDES -- TRAVEL OPTIONS PROGRAM	0	CMAQ	\$ 1,772,782	\$ 1,418,226	\$ 354,556	AC Yr 2 of 5, Already programmed less the TMA subsidy
ALTFUL	STATEWIDE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	0	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	
Statewide CMAQ Subtotal ►					\$ 28,170,103	\$ 23,116,082	\$ 5,054,021	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 29,844,908		
					Difference	\$ (6,728,826)		
					Constrained?	Yes		

Congestion Mitigation and Air Quality Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Congestion Mitigation and Air Quality Program								
607570	BERKSHIRE	LEE - BIKEWAY (PHASE 1)	1	CMAQ	\$ 3,619,200	\$ 2,895,360	\$ 723,840	
606891	BERKSHIRE	PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENTION	1	CMAQ	\$ 2,261,121	\$ 1,808,897	\$ 452,224	
602165	BOSTON	STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET	4	CMAQ	\$ 1,532,550	\$ 1,226,040	\$ 306,510	
607398	CAPE COD	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	
603251	CENTRAL MASSACHUSETTS	WORCESTER - SIGNAL & INTERSECTION IMPROVEMENTS @ HOLDEN STREET, DRUMMOND AVENUE & SHORE DRIVE	3	CMAQ	\$ 1,811,466	\$ 1,449,173	\$ 362,293	
606507	FRANKLIN	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	
607411	MARTHA'S VINEYARD	TISUBRY-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	
607860	OLD COLONY	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	
602911	PIONEER VALLEY	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	
603783	PIONEER VALLEY	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	
606450	PIONEER VALLEY	HOLYOKE- TRAFFIC SIGNAL UPGRADES AT 15 INTERSECTIONS ALONG HIGH & MAPLE STREETS	2	CMAQ	\$ 1,564,867	\$ 1,251,894	\$ 312,973	
606555	PIONEER VALLEY	NORTHAMPTON- ROUNDABOUT CONSTRUCTION AT INTERSECTION ROUTES 5/10 (NORTH KING STREET) & HATFIELD STREET	2	CMAQ	\$ 2,989,892	\$ 2,391,914	\$ 597,978	
PRKLOT	STATEWIDE	PARK AND RIDE LOT EXPANSION/CONSTRUCTION/IMPROVEMENT PROGRAM	0	CMAQ	\$ 2,000,000	\$ 1,600,000	\$ 400,000	
ADAPT	STATEWIDE	ADAPTIVE SIGNAL CONTROLS AT INTERSECTIONS	0	CMAQ	\$ 520,000	\$ 416,000	\$ 104,000	
82865	STATEWIDE	MASSRIDES -- TRAVEL OPTIONS PROGRAM	0	CMAQ	\$ 1,799,545	\$ 1,439,636	\$ 359,909	AC Yr 3 of 5
EVCHG	STATEWIDE	STATEWIDE - ELECTRIC VEHICLE PLUG IN CHARGING STATIONS	0	CMAQ	\$ 500,000	\$ 400,000	\$ 100,000	

Congestion Mitigation and Air Quality Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
ALTFUL	STATEWIDE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	0	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	
Statewide CMAQ Subtotal ▶					\$ 42,377,638	\$ 33,902,110	\$ 8,475,528	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	35,030,000		
					Difference \$	(1,127,890)		
					Constrained?	Yes		

Congestion Mitigation and Air Quality Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Congestion Mitigation and Air Quality Program

607329	BOSTON	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	Wakefield-Lynnfield is not on the BSG but offers connectivity to the Peabody shared use path which is already constructed, (thence the N Shore corridor).
606223	BOSTON	ACTON- CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION (PHASE II-B)	3	CMAQ	\$ 6,230,016	\$ 4,984,013	\$ 1,246,003	
607732	BOSTON	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	
606272	CAPE COD	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	CMAQ	\$ 540,800	\$ 432,640	\$ 108,160	
607737	MERRIMACK VALLEY	AMESBURY- SALISBURY- TRAIL CONNECTOR @ I-95	4	CMAQ	\$ 2,595,840	\$ 2,076,672	\$ 519,168	
607541	MERRIMACK VALLEY	GEORGETOWN- BORDER TO BOSTON TRAIL (SOUTHERN GEORGETOWN SECTION)	4	CMAQ	\$ 2,000,960	\$ 1,600,768	\$ 400,192	
607885	NORTHERN MIDDLESEX	LOWELL - PAWTUCKET FALLS OVERLOOK PROJECT	4	CMAQ	\$ 2,414,348	\$ 1,931,478	\$ 482,870	
608088	OLD COLONY	BROCKTON- CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO	5	CMAQ	\$ 4,542,720	\$ 3,634,176	\$ 908,544	
607589	PIONEER VALLEY	NORTH END PEDESTRIAN PATH UNDER PAN-AM RAILROAD BETWEEN PLAINFIELD ST. AND BIRNIE AVE.	2	CMAQ	\$ 4,326,400	\$ 3,461,120	\$ 865,280	
602912	PIONEER VALLEY	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	Chicopee is on the BSG CT River corridor.
82865	STATEWIDE	MASSRIDES -- TRAVEL OPTIONS PROGRAM	0	CMAQ	\$ 1,825,816	\$ 1,460,653	\$ 365,163	AC Yr 4 of 5
ADAPT	STATEWIDE	ADAPTIVE SIGNAL CONTROLS AT INTERSECTIONS	0	CMAQ	\$ 540,800	\$ 432,640	\$ 108,160	
PRKLOT	STATEWIDE	PARK AND RIDE LOT EXPANSION/CONSTRUCTION/IMPROVEMENT PROGRAM	0	CMAQ	\$ 2,000,000	\$ 1,600,000	\$ 400,000	
ALTFUL	STATEWIDE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	0	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	

Statewide CMAQ Subtotal ►	\$ 45,488,320	\$ 36,390,656	\$ 9,097,664	◀ 80% Federal + 20% Non-Federal
Fed Aid Target	\$ 38,400,000			
Difference	\$ (2,009,344)			
Constrained?	Yes			

Congestion Mitigation and Air Quality Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Congestion Mitigation and Air Quality Program

606890	BERKSHIRE	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	1	CMAQ	\$ 4,949,402	\$ 3,959,522	\$ 989,880	\$600,000 of HPP = \$5,499,402 Total Cost
607888	BOSTON	BOSTON- BROOKLINE- MULTI-USE PATH CONSTRUCTION ON NEW FENWAY	6	CMAQ	\$ 1,915,213	\$ 1,532,170	\$ 383,043	
607610	FRANKLIN	BUCKLAND - CONSTRUCTION OF BICYCLE SHOULDERS ON ROUTE 112, FROM MOHAWK TRAIL REGIONAL HIGH SCHOOL TO NORTH STREET	1	CMAQ	\$ 1,107,154	\$ 885,723	\$ 221,431	
607588	FRANKLIN	NORTHFIELD- BRIDGE REMOVAL, N-22-002, SCHELL BRIDGE OVER THE CONNECTICUT RIVER & REPLACEMENT WITH NEW PEDESTRIAN BRIDGE	2	CMAQ	\$ 8,436,480	\$ 6,749,184	\$ 1,687,296	
607542	MERRIMACK VALLEY	GEORGETOWN - NEWBURY - BORDER TO BOSTON TRAIL (NORTHERN GEORGETOWN TO BYFIELD SECTION)	4	CMAQ	\$ 4,359,973	\$ 3,487,978	\$ 871,995	
608193	MONTACHUSETT	FITCHBURG- LEOMINSTER- RAIL TRAIL CONSTRUCTION (TWIN CITIES RAIL TRAIL)	3	CMAQ	\$ 11,642,342	\$ 9,313,874	\$ 2,328,468	
608086	OLD COLONY	AVON- INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	5	CMAQ	\$ 4,049,510	\$ 3,239,608	\$ 809,902	
607941	OLD COLONY	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	
607822	SOUTHEAST MASS	NORTON- MANSFIELD- RAIL TRAIL EXTENSION (WORLD WAR II VETERANS TRAIL)	5	CMAQ	\$ 3,600,015	\$ 2,880,012	\$ 720,003	
607979	SOUTHEAST MASS	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	
82865	STATEWIDE	MASSRIDES -- TRAVEL OPTIONS PROGRAM	0	CMAQ	\$ 1,853,603	\$ 1,482,882	\$ 370,721	AC Yr 5 of 5
PRKLOT	STATEWIDE	PARK AND RIDE LOT EXPANSION/CONSTRUCTION/IMPROVEMENT PROGRAM	0	CMAQ	\$ 2,000,000	\$ 1,600,000	\$ 400,000	
ADAPT	STATEWIDE	ADAPTIVE SIGNAL CONTROLS AT INTERSECTIONS	0	CMAQ	\$ 562,432	\$ 449,946	\$ 112,486	
EVCHG	STATEWIDE	STATEWIDE - ELECTRIC VEHICLE PLUG IN CHARGING STATIONS	0	CMAQ	\$ 500,000	\$ 400,000	\$ 100,000	
ALTFUL	STATEWIDE	ALTERNATIVE FUEL VEHICLE PURCHASES/REPLACEMENTS	0	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	

Statewide CMAQ Subtotal ►	\$ 51,600,444	\$ 41,280,355	\$ 10,320,089	◀ 80% Federal + 20% Non-Federal
		Fed Aid Target \$ 44,363,162		
		Difference \$ (3,082,807)		
		Constrained? Yes		

Intelligent Transportation Systems

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Intelligent Transportation Systems								
607424	Statewide	STATEWIDE- ITS ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS) SOFTWARE	SW	CMAQ	\$ 731,000	\$ 584,800	\$ 146,200	AC YR 2 of 3. Total project cost \$13,000,000
607483	Statewide	DISTRICT 5- ITS CAMERA & VMS CONSTRUCTION ON ROUTE 24, FROM RANDOLPH TO FALL RIVER (39 MILES)	SW	CMAQ	\$ 3,778,000	\$ 3,022,400	\$ 755,600	AC YR 2 of 2. Total project cost \$5,500,000
607484	Central Mass	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	AC YR 2 of 2. Total project cost \$6,540,000
607482	Statewide	DISTRICT 5&6- ITS CONSTRUCTION ON ROUTE 3, FROM BRAINTREE TO PLYMOUTH (42 MILES)	SW	CMAQ	\$ 87,000	\$ 69,600	\$ 17,400	AC YR 1 of 2. Total project cost \$6,337,000
606927	Statewide	STATEWIDE- REPLACEMENT OF VARIABLE MESSAGE SIGNS (VMS)	SW	CMAQ	\$ 3,464,000	\$ 2,771,200	\$ 692,800	AC YR 2 of 2. Total project cost \$3,464,800
Statewide ITS Capital Subtotal ►					\$ 12,100,000	\$ 9,680,000	\$ 2,420,000	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 9,680,000		
					Difference	\$ -		
					Constrained?	Yes		
608031	Statewide	STATEWIDE ITS DESIGN CONSULTANT SERVICES	SW	STP	\$ 1,000,000	\$ 800,000	\$ 200,000	
Statewide ITS Operations Subtotal ►					\$ 1,000,000	\$ 800,000	\$ 200,000	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 800,000		
					Difference	\$ -		
					Constrained?	Yes		

Intelligent Transportation Systems

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds with 4% adjustment for inflation ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Intelligent Transportation Systems

607482	Statewide	DISTRICT 5&6- ITS CONSTRUCTION ON ROUTE 3, FROM BRAINTREE TO PLYMOUTH (42 MILES)	SW	CMAQ	\$ 6,250,000	\$ 5,000,000	\$ 1,250,000	AC YR 2 of 2. Total project cost \$6,337,000
607424	Statewide	STATEWIDE- ITS ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS) SOFTWARE	SW	CMAQ	\$ 5,938,423	\$ 4,750,738	\$ 1,187,685	AC Year 3 of 3. Total Project Cost \$13,000,000.
608140	Statewide	DISTRICT 5,6 ITS CONSTRUCTION ON I-95 FROM CANTON TO ATTLEBORO 26.7 MILES	SW	CMAQ	\$ 4,061,577	\$ 3,249,262	\$ 812,315	AC YR 1 of 2. Total project cost \$6,711,577
608139	Statewide	RTTM EXPANSION/ENHANCEMENT DISTRICTS 1-6	SW	CMAQ	\$ 1,750,000	\$ 1,400,000	\$ 350,000	

Statewide ITS Capital Subtotal ►	\$ 18,000,000	\$ 14,400,000	\$ 3,600,000	◀ 80% Federal + 20% Non-Federal
	Fed Aid Target \$	14,400,000		
	Difference \$	-		
	Constrained?	Yes		

2018 Statewide Transportation Improvement Program

FFY 2016-2019 STIP, Draft

Intelligent Transportation Systems

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds with 8% adjustment for inflation ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Intelligent Transportation Systems

608140	Statewide	DISTRICT 5&6 ITS CANTON TO ATTLEBORO	SW	CMAQ	\$ 2,650,000	\$ 2,120,000	\$ 530,000	AC YR 2 of 2 Total project cost \$6,711,577
606938	Statewide	STATEWIDE- EXPANSION OF CCTV, VMS AND THE TRAFFIC SENSOR NETWORK	SW	CMAQ	\$ 6,150,000	\$ 4,920,000	\$ 1,230,000	
607487	Statewide	STATEWIDE- EXPANSION OF CCTV, VMS AND THE TRAFFIC SENSOR NETWORK	Statewide	CMAQ	\$ 6,100,000	\$ 4,880,000	\$ 1,220,000	
Statewide ITS Capital Subtotal ►					\$ 14,900,000	\$ 11,920,000	\$ 2,980,000	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 11,920,000		
					Difference	\$ -		
					Constrained?	Yes		

Intelligent Transportation Systems

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds with 12% adjustment for inflation ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Intelligent Transportation Systems

607487	Statewide	STATEWIDE ITS EXPANSION	SW	CMAQ	\$ 19,375,000	\$ 15,500,000	\$ 3,875,000	
608141	Statewide	DISTRICT 4 & 6 ITS I-95 SALISBURY TO PEABODY RT1 SAUGUS	SW	CMAQ	\$ 5,625,000	\$ 4,500,000	\$ 1,125,000	
Statewide ITS Capital Subtotal ►					\$ 25,000,000	\$ 20,000,000	\$ 5,000,000	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 20,000,000		
					Difference	\$ -		
					Constrained?	Yes		

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► IM - Interstate Maintenance

606577	STATEWIDE	HATFIELD- NORTHAMPTON- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91, FROM MM 26.9 TO MM 34.4 (7.5 MILES)	2	NHPP	\$ 10,620,000	\$ 9,558,000	\$ 1,062,000	
607182	PIONEER VALLEY	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	
605592	CENTRAL MASS	STURBRIDGE- HOLLAND- INTERSTATE MAINTENANCE & RELATED WORK ON I-84	3	NHPP	\$ 15,133,500	\$ 13,620,150	\$ 1,513,350	\$16,033,500 Total Cost = \$15,133,500 IM + \$900k Stormwater.
607479	CENTRAL MASS	SHREWSBURY- BOYLSTON- NORTHBORO- INTERSTATE MAINTENANCE & RELATED WORK ON I-290	3	NHPP	\$ 13,168,800	\$ 11,851,920	\$ 1,316,880	\$13,968,800 Total Cost = \$13,168,800 IM + \$800k Stormwater
606574	MERRIMACK VALLEY	ANDOVER-LAWRENCE - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	4	NHPP	\$ 14,396,000	\$ 12,956,400	\$ 1,439,600	
606176	BOSTON	FOXBOROUGH-PLAINVILLE-WRENTHAM-INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	5	NHPP	\$ 1,604,800	\$ 1,444,320	\$ 160,480	\$3,344,800 Total Cost = \$1,604,800 IM+ \$1,740,000 Stormwater
608147	SOUTHEAST ERN MASS	NORTH ATTLEBOROUGH- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	5	NHPP	\$ 2,039,040	\$ 1,835,136	\$ 203,904	
IM Subtotal ►					\$ 59,256,060	\$ 53,330,454	\$ 5,925,606	

► NHS - National Highway System

607175	OLD COLONY	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
607340	BOSTON	WELLESLEY- ROUTE 9 CORRIDOR ENHANCEMENTS	6	NHPP	\$ 7,327,800	\$ 5,862,240	\$ 1,465,560	\$13,799,320 Total Cost = \$12,949,320 NHS + \$350K HSIP + \$500k Stormwater.
607176	CENTRAL MASS	SHREWSBURY - WESTBOROUGH RESURFACING AND RELATED WORK ON ROUTE 9	3	NHPP	\$ 12,949,320	\$ 10,359,456	\$ 2,589,864	
607488	BOSTON	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	
607476	MERRIMACK VALLEY	METHUEN- RESURFACING & RELATED WORK ON ROUTE 213	4	NHPP	\$ 6,937,161	\$ 5,549,729	\$ 1,387,432	\$8,101,161 Total Cost = \$6,937,161 NHS + \$1,164,000 Stormwater
NHS Subtotal ►					\$ 45,257,661	\$ 36,206,129	\$ 9,051,532	
NHPP Subtotal ►					\$ 104,513,721	\$ 89,536,583	\$ 14,977,138	◀ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts

IM + NHS	\$ 89,536,583
Fed Aid Target	\$ 89,670,000
Difference	\$ (133,417)
Constrained?	Yes

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► IM - Interstate Maintenance

607478	FRANKLIN	DEERFIELD - GREENFIELD - WHATELY - INTERSTATE MAINTENANCE AND RELATED WORK ON I-91	2	NHPP	\$ 10,499,923	\$ 9,449,931	\$ 1,049,992	\$10,655,923 Total Cost = \$10,499,923 IM + \$156,000 Stormwater
607562	CENTRAL MASS	WEBSTER- OXFORD- INTERSTATE MAINTENANCE & RELATED WORK ON I-395	3	NHPP	\$ 7,620,912	\$ 6,858,821	\$ 762,091	
606575	MONTACHU SETT	STERLING- LANCASTER- LEOMINSTER- INTERSTATE MAINTENANCE & RELATED WORK ON I-190	3	NHPP	\$ 17,612,774	\$ 15,851,497	\$ 1,761,277	\$17,768,774 Total Cost = \$17,612,775 IM + \$156,000 Stormwater
607561	MERRIMACK VALLEY	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 = \$10,387,019 IM + \$624k Stormwater
607481	BOSTON	RANDOLPH- QUINCY- BRAINTREE- RESURFACING & RELATED WORK ON I-93	6	NHPP	\$ 12,137,008	\$ 10,923,307	\$ 1,213,701	
607563	CAPE COD	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
IM Subtotal ►					\$ 70,862,332	\$ 63,776,099	\$ 7,086,233	◀ 90% Federal + 10% Non-Federal

► NHS - National Highway System

607988	STATEWIDE	KINGSTON DUXBURY MARSHFIELD - RESURFACING AND RELATED WORK ON ROUTE 3	5	NHPP	\$ 15,713,069	\$ 12,570,455	\$ 3,142,614	
608201	CAPE COD	HARWICH - BREWSTER - ORLEANS - RESURFACING AND RELATED WORK ON RT. 6	5	NHPP	\$ 6,506,614	\$ 5,205,292	\$ 1,301,323	\$7,026,614 total Cost = \$6,506,614 NHS + \$520k Stormwater
607475	MONTACHU SETT	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	
608176	SOUTHEASTERN MASS	BERKLEY-RAYNHAM-TAUNTON- RESURFACING & RELATED WORK ON ROUTE 24	5	NHPP	\$ 11,466,711	\$ 9,173,369	\$ 2,293,342	
607477	BOSTON	LYNNFIELD- PEABODY- RESURFACING & RELATED WORK ON ROUTE 1	4	NHPP	\$ 7,721,542	\$ 6,177,234	\$ 1,544,308	
NHS Subtotal ►					\$ 43,287,087	\$ 34,629,670	\$ 8,657,417	◀ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts

IM + NHS	\$ 98,405,769
Fed Aid Target	\$ 98,410,000
Difference	\$ (4,231)
Constrained?	Yes

2018 Statewide Transportation Improvement Program

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► IM - Interstate Maintenance

607560	PIONEER VALLEY	CHICOPEE- HOLYOKE- INTERSTATE MAINTENANCE & RELATED WORK ON I-391	2	NHPP	\$ 11,989,555	\$ 10,790,600	\$ 1,198,956	
608203	STATEWIDE	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
608207	PIONEER VALLEY	LONGMEADOW - SPRINGFIELD - RESURFACING AND RELATED WORK ON I-91	2	NHPP	\$ 13,763,520	\$ 12,387,168	\$ 1,376,352	
607563	SOUTHEAS TERN MASS	WAREHAM- ROCHESTER- MIDDLEBORO- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	5	NHPP	\$ 14,177,955	\$ 12,760,159	\$ 1,417,795	
608219	BOSTON	READING-WAKEFIELD- INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-95	4	NHPP	\$ 4,638,816	\$ 4,174,934	\$ 463,882	
607566	SOUTHEAS TERN MASS	SEEKONK- REHOBOTH- INTERSTATE MAINTENANCE & RELATED WORK ON I-195	5	NHPP	\$ 10,959,840	\$ 9,863,856	\$ 1,095,984	\$12,039,840 Total Cost = \$10,959,840 IM + \$1,080,000 Stormwater.
IM Subtotal ►					\$ 70,822,486	\$ 63,740,237	\$ 7,082,249	◀ 90% Federal + 10% Non-Federal

► NHS - National Highway System

608069	BOSTON	MARSHFIELD PEMBROKE NORWELL HANOVER ROCKLAND HINGHAM RESURFACING ON RT 3	5	NHPP	\$ 17,586,720	\$ 14,069,376	\$ 3,517,344	
607474	PIONEER VALLEY	GRANBY- SOUTH HADLEY- RESURFACING & RELATED WORK ON ROUTE 202, FROM LYMAN STREET SOUTH HADLEY TO PLEASANT STREET GRANBY (2 MILES)	2	NHPP	\$ 1,988,064	\$ 1,590,451	\$ 397,613	
605608	BOSTON	DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109	6	NHPP	\$ 2,523,312	\$ 2,018,650	\$ 504,662	\$2,739,312 Total Cost = \$2,523,312 + \$216k Stormwater
608008	BOSTON	SAUGUS-RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	\$ 10,597,910	\$ 8,478,328	\$ 2,119,582	
608220	BOSTON	CONCORD - RESURFACING AND RELATED WORK ON ROUTE 2	4	NHPP	\$ 1,784,160	\$ 1,427,328	\$ 356,832	
NHS Subtotal ►					\$ 34,480,166	\$ 27,584,133	\$ 6,896,033	◀ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts

IM + NHS	\$ 91,324,371
Fed Aid Target	\$ 91,340,000
Difference	\$ (15,629)
Constrained?	Yes

2019 Statewide Transportation Improvement Program

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► IM - Interstate Maintenance

608208	Boston	QUINCY - MILTON - BOSTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	6	NHPP	\$ 22,287,462	\$ 20,058,716	\$ 2,228,746	
608209	Statewide	LITTLETON-WESTFORD- INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	3	NHPP	\$ 15,986,074	\$ 14,387,466	\$ 1,598,607	
608210	Boston	FOXBOROUGH-PLAINVILLE-WRENTHAM-FRANKLIN-INTERSTAE MAINTENANCE AND RELATED WORK ON I-495	5	NHPP	\$ 29,392,384	\$ 26,453,146	\$ 2,939,238	
608211	Pioneer Valley	CHICOPEE-SPRINGFIELD- RESURFACING AND RELATED WORK ON I-291	2	NHPP	\$ 11,545,498	\$ 10,390,948	\$ 1,154,550	
IM Subtotal ►					\$ 79,211,418	\$ 71,290,276	\$ 7,921,142	◀ 90% Federal + 10% Non-Federal

► NHS - National Highway System

608221	Boston	MARLBORO RESURFACING AND RELATED WORK ON ROUTE 20	3	NHPP	\$ 6,126,938	\$ 4,901,550	\$ 1,225,388	
608222	Statewide	BOURNE - WAREHAM RESURFACING AND RELATED WORK ON ROUTE 25	5	NHPP	\$ 11,672,371	\$ 9,337,897	\$ 2,334,474	
608223	Southeastern Mass	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	
NHS Subtotal ►					\$ 26,934,208	\$ 21,547,366	\$ 5,386,842	◀ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts

IM + NHS	\$ 92,837,642
Fed Aid Target	\$ 92,890,000
Difference	\$ (52,358)
Constrained?	Yes

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Regional Major Infrastructure Program

607731	Pioneer Valley	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	Pioneer Valley	NHPP	\$ 84,493,750	\$ 67,595,000	\$ 16,898,750	AC Yr 3 of 4. Funds will be disbursed from FFY 2014 through FFY 2017. Total Cost = \$234M.
Statewide Regional Major Infrastructure Subtotal ►					\$ 84,493,750	\$ 67,595,000	\$ 16,898,750	◀ 80% Federal + 20% Non-Federal

► Statewide - Other

ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	\$ 44,071,817	\$ 44,071,817	\$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-BRR-OFF	\$ 368,183	\$ 368,183	\$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
MSC	Statewide	DBES, MISC PROGRAMS	Statewide	STP	\$ 1,000,000	\$ 800,000	\$ 200,000	
EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	\$ 15,274,651	\$ 12,219,721	\$ 3,054,930	
SPL	Statewide	PLANNING	Statewide	PL	\$ 21,000,000	\$ 16,800,000	\$ 4,200,000	
SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	\$ 1,000,000	\$ 800,000	\$ 200,000	
Statewide Other Subtotal ►					\$ 82,714,651	\$ 75,059,721	\$ 7,654,930	

► Statewide - Railroad Crossings Program

RRC	Statewide	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	Statewide	RRHE	\$ 4,250,000	\$ 3,400,000	\$ 850,000	
RRC	Statewide	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	Statewide	RRPD	\$ 4,250,000	\$ 3,400,000	\$ 850,000	
Statewide RailRoad Crossings Subtotal ►					\$ 8,500,000	\$ 3,400,000	\$ 850,000	◀ 80% Federal + 20% Non-Federal

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Regional Major Infrastructure Program

607731	Pioneer Valley	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	Pioneer Valley	NHPP	\$ 9,000,000	\$ 7,200,000	\$ 1,800,000	
Statewide Regional Major Infrastructure Subtotal ►					\$ 9,000,000	\$ 7,200,000	\$ 1,800,000	◀ 80% Federal + 20% Non-Federal

► Statewide - Other

ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	\$ 58,772,431	\$ 58,772,431	\$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-BRR-OFF	\$ 377,569	\$ 377,569	\$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
MSC	Statewide	DBES, MISC PROGRAMS	Statewide	STP	\$ 1,000,000	\$ 800,000	\$ 200,000	
EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	\$ 31,250,000	\$ 25,000,000	\$ 6,250,000	
SPL	Statewide	PLANNING	Statewide	PL	\$ 32,250,000	\$ 25,800,000	\$ 6,450,000	
SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	\$ 1,000,000	\$ 800,000	\$ 200,000	
Statewide Other Subtotal ►					\$ 124,650,000	\$ 111,550,000	\$ 13,100,000	

► Statewide - Railroad Crossings Program

RRC	Statewide	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	Statewide	RRHE	\$ 5,000,000	\$ 4,000,000	\$ 1,000,000	
RRC	Statewide	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	Statewide	RRPD	\$ 5,000,000	\$ 4,000,000	\$ 1,000,000	
Statewide RailRoad Crossings Subtotal ►					\$ 10,000,000	\$ 4,000,000	\$ 1,000,000	◀ 80% Federal + 20% Non-Federal

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide - Other

ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	\$ 68,075,667	\$ 68,075,667	\$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-BRR-OFF	\$ 388,033	\$ 388,033		
MSC	Statewide	DBES, MISC PROGRAMS	Statewide	STP	\$ 1,000,000	\$ 800,000	\$ 200,000	
EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	\$ 31,250,000	\$ 25,000,000	\$ 6,250,000	
SPL	Statewide	PLANNING	Statewide	PL	\$ 31,000,000	\$ 24,800,000	\$ 6,200,000	
SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	\$ 1,000,000	\$ 800,000	\$ 200,000	
Statewide Other Subtotal ►					\$ 132,713,700	\$ 119,863,700	\$ 12,850,000	

► Statewide - Railroad Crossings Program

RRC	Statewide	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	Statewide	RRHE	\$ 4,250,000	\$ 3,400,000	\$ 850,000	
RRC	Statewide	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	Statewide	RRPD	\$ 1,750,000	\$ 1,400,000	\$ 350,000	
Statewide RailRoad Crossings Subtotal ►					\$ 6,000,000	\$ 3,400,000	\$ 850,000	◀ 80% Federal + 20% Non-Federal

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide - Other

ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	\$ 73,125,542	\$ 73,125,542	\$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
ABPGAN	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-BRR-OFF	\$ 399,608	\$ 399,608		
MSC	Statewide	DBES, MISC PROGRAMS	Statewide	STP	\$ 1,000,000	\$ 800,000	\$ 200,000	
EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	\$ 27,550,000	\$ 22,040,000	\$ 5,510,000	
SPL	Statewide	PLANNING	Statewide	PL	\$ 29,750,000	\$ 23,800,000	\$ 5,950,000	
SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	\$ 1,000,000	\$ 800,000	\$ 200,000	
Statewide Other Subtotal ►					\$ 132,825,150	\$ 120,965,150	\$ 11,860,000	

► Statewide - Railroad Crossings Program

RRC	Statewide	STATEWIDE RAILROAD CROSSING HAZARD ELIMINATION CONTRACTS	Statewide	RRHE	\$ 4,250,000	\$ 3,400,000	\$ 850,000	
RRC	Statewide	STATEWIDE RAILROAD CROSSING PROTECTIVE DEVICES CONTRACTS	Statewide	RRPD	\$ 1,750,000	\$ 1,400,000	\$ 350,000	
Statewide RailRoad Crossings Subtotal ►					\$ 6,000,000	\$ 3,400,000	\$ 850,000	◀ 80% Federal + 20% Non-Federal

Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Stormwater Program								
607176	CENTRAL MASS	SHREWSBURY-NORTHBOROUGH-WESTBOROUGH-RESURFACING AND RELATED WORK ON ROUTE 9	3	STP-TE	\$ 500,000	\$ 400,000	\$ 100,000	\$13,799,320 Total Cost = \$12,949,320 NHS + \$350K HSIP + \$500k Stormwater.
606176	STATEWIDE	FOXBOROUGH-PLAINVILLE-WRENTHAM-INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	5	STP-TE	\$ 1,740,000	\$ 1,392,000	\$ 348,000	\$3,344,800 Total Cost = \$1,604,800 IM+ \$1,740,000 Stormwater
607175	OLD COLONY	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
605592	CENTRAL MASS	STURBRIDGE-HOLLAND- INTERSTATE MAINTENANCE AND RELATED WORK ON I-84	3	STP-TE	\$ 900,000	\$ 720,000	\$ 180,000	\$16,033,500 Total Cost = \$15,133,500 IM + \$900k Stormwater.
607476	MERRIMACK VALLEY	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
607479	CENTRAL MASS	SHREWSBURY - BOYLSTON - NORTHBORO - INTERSTATE MAINTENANCE AND RELATED WORK ON I-290	3	STP-TE	\$ 800,000	\$ 640,000	\$ 160,000	\$13,968,800 Total Cost = \$13,168,800 IM + \$800k Stormwater
608060	CENTRAL MASS	GARDNER - SHREWSBURY - SUTTON - STORMWATER IMPROVEMENTS ALONG ROUTE 68/ROUTE 70/ROUTE 146	3	STP-TE	\$ 545,300	\$ 436,240	\$ 109,060	
608133	CENTRAL MASS	GRAFTON - MILFORD - STORMWATER IMPROVEMENTS ALONG ROUTE 122/ROUTE 140	3	STP-TE	\$ 401,300	\$ 321,040	\$ 80,260	
608059	BOSTON	SALEM - STORMWATER IMPROVEMENTS ALONG ROUTE 107 (SALEM BYPASS ROAD)	4	STP-TE	\$ 125,000	\$ 100,000	\$ 25,000	
606995	STATEWIDE	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	
608134	BOSTON	HINGHAM - BROCKTON - STORMWATER IMPROVEMENTS ALONG ROUTE 3A/ROUTE 28	5	STP-TE	\$ 479,100	\$ 383,280	\$ 95,820	
608136	PIONEER VALLEY	SOUTH HADLEY - STORMWATER IMPROVEMENTS ALONG ROUTE 116	2	STP-TE	\$ 169,400	\$ 135,520	\$ 33,880	
608135	SOUTHEASTERN MASS	NEW BEDFORD - STORMWATER IMPROVEMENTS ALONG ROUTE 6/ROUTE 18	5	STP-TE	\$ 480,000	\$ 384,000	\$ 96,000	
Statewide Stormwater Subtotal ►					\$ 8,104,100	\$ 6,483,280	\$ 1,620,820	
					Fed Aid Target	\$ 6,075,000		
					Difference	\$ 408,280		
					Constrained?	No		

Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Stormwater Program								
607992	STATEWIDE	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	
608201	CAPE COD	DENNIS - HARWICH - BREWSTER - ORLEANS - RESURFACING AND RELATED WORK ON ROUTE 6	5	STP-TE	\$ 520,000	\$ 416,000	\$ 104,000	\$7,026,614 total Cost = \$6,506,614 NHS + \$520k Stormwater
607561	MERRIMACK VALLEY	ANDOVER - METHUEN - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	4	STP-TE	\$ 624,000	\$ 499,200	\$ 124,800	\$11,011,021 Total Cost = \$10,387,019 IM + \$624k Stormwater
608192	PIONEER VALLEY	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	
606575	MONTACHUSE TT	STERLING - LANCASTER - LEOMINSTER - INTERSTATE MAINTENANCE AND RELATED WORK ON I-190	2	STP-TE	\$ 156,000	\$ 124,800	\$ 31,200	\$17,768,774 Total Cost = \$10,499,923 IM + \$156,000 Stormwater
607478	FRANKLIN	DEERFIELD - GREENFIELD - WHATELY - INTERSTATE MAINTENANCE AND RELATED WORK ON I-91	2	STP-TE	\$ 156,000	\$ 124,800	\$ 31,200	\$10,655,923 Total Cost = \$10,499,923 IM + \$156,000 Stormwater
607563	SOUTHEASTER N MASS	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

Statewide Stormwater Subtotal ►	\$ 5,605,600	\$ 4,484,480	\$ 1,121,120	◀ 80% Federal + 20% Non-Federal
	Fed Aid Target	\$ 4,500,000		
	Difference	\$ (15,520)		
	Constrained?	Yes		

Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Stormwater Program								
605608	BOSTON	DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109	6	STP-TE	\$ 216,000	\$ 172,800	\$ 43,200	\$2,739,312 Total Cost = \$2,523,312 + \$216k Stormwater
607560	PIONEER VALLEY	CHICOPEE - HOLYOKE - INTERSTATE MAINTENANCE AND RELATED WORK ON I-391	2	STP-TE	\$ 972,000	\$ 777,600	\$ 194,400	
607566	SOUTHEASTERN MASS	SEEKONK - REHOBOTH - INTERSTATE MAINTENANCE AND RELATED WORK ON I-195	5	STP-TE	\$ 1,080,000	\$ 864,000	\$ 216,000	\$12,039,840 Total Cost = \$10,959,840 IM + \$1,080,000 Stormwater.
608203	STATEWIDE	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
607995	STATEWIDE	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	
608212	SOUTHEASTERN MASS	SEEKONK - STORMWATER IMPROVEMENTS ALONG ROUTE 114A	5	STP-TE	\$ 648,000	\$ 518,400	\$ 129,600	
607993	STATEWIDE	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	

Statewide Stormwater Subtotal ► \$ 6,507,000 \$ 5,205,600 \$ 1,301,400 ◀ 80% Federal + 20% Non-Federal
 Fed Aid Target \$ 5,650,000
 Difference \$ (444,400)
 Constrained? Yes

Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Stormwater Program								
608213	BOSTON	MILTON - STORMWATER IMPROVEMENTS ALONG I-93	6	STP-TE	\$ 560,000	\$ 448,000	\$ 112,000	
608214	BOSTON	WINCHESTER - UPPER MYSTIC RIVER ROUTE 3	4	STP-TE	\$ 224,000	\$ 179,200	\$ 44,800	
608215	SOUTHEASTERN MASS	FAIRHAVEN - STORMWATER IMPROVEMENTS ALONG ROUTE 240 AND ROUTE 6	5	STP-TE	\$ 224,000	\$ 179,200	\$ 44,800	
608216	BOSTON	BOXFORD - STORMWATER IMPROVEMENTS ALONG I-95	4	STP-TE	\$ 448,000	\$ 358,400	\$ 89,600	

Statewide Stormwater Subtotal ► \$ 1,456,000 \$ 1,164,800 \$ 291,200 ◀ 80% Federal + 20% Non-Federal
 Fed Aid Target \$ 1,800,000
 Difference \$ (635,200)
 Constrained? Yes

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide ADA Retrofits Program

607035	STATEWIDE	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	1	STP-TE	\$ 340,000	\$ 272,000	\$ 68,000	
607036	STATEWIDE	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	2	STP-TE	\$ 740,000	\$ 592,000	\$ 148,000	
Statewide ADA Subtotal ►					\$ 1,080,000	\$ 864,000	\$ 216,000	◀ Funding Split Varies by Project Specifications
					Fed Aid Target	\$ 3,200,000		
					Difference	\$ (2,336,000)		
					Constrained?	Yes		

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds YOY ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide ADA Retrofits Program

607038	STATEWIDE	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	3	STP-TE	\$ 600,000	\$ 480,000	\$ 120,000	
607039	STATEWIDE	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	4	STP-TE	\$ 600,000	\$ 480,000	\$ 120,000	
607041	STATEWIDE	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	5	STP-TE	\$ 575,000	\$ 460,000	\$ 115,000	
607042	STATEWIDE	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	6	STP-TE	\$ 500,000	\$ 400,000	\$ 328,000	

Statewide ADA Subtotal ►	\$ 2,275,000	\$ 1,820,000	\$ 683,000	◀ Funding Split Varies by Project Specifications
	Fed Aid Target \$	2,700,000		
	Difference \$	(880,000)		
	Constrained?	Yes		

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds YOY ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide ADA Retrofits Program

	No Projects Programmed	STP-TE	\$ -	\$ -	\$ -			
		Statewide ADA Subtotal ►	\$ -	\$ -	\$ -			◀ Funding Split Varies by Project Specifications
		Fed Aid Target	\$ 1,550,000					
		Difference	\$ (1,550,000)					
		Constrained?	Yes					

2019 Statewide Transportation Improvement Program

FFY 2016-2019 STIP, DRAFT

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds YOY ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide ADA Retrofits Program								
608825	STATEWIDE	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	1	STP-TE	\$ 600,000	\$ 480,000	\$ 120,000	
608826	STATEWIDE	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	2	STP-TE	\$ 900,000	\$ 720,000	\$ 180,000	
Statewide ADA Subtotal ►					\$ 1,500,000	\$ 1,200,000	\$ 300,000	◀ Funding Split Varies by Project Specifications
					Fed Aid Target \$	1,200,000		
					Difference \$	-		
					Constrained?	Yes		

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1B / Federal Aid Bridge Projects

► Off-System Bridges

607116	BERKSHIRE	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	
603778	BERKSHIRE	LANESBOROUGH- BRIDGE REPLACEMENT, L-03-024, NARRAGANSETT AVENUE OVER PONTOOSUC LAKE	1	STP-BR-OFF	\$ 2,178,000	\$ 1,742,400	\$ 435,600	
605314	BERKSHIRE	NEW MARLBOROUGH- SUPERSTRUCTURE REPLACEMENT, N-08-022, HADSELL STREET OVER UMPACHENE RIVER	1	STP-BR-OFF	\$ 2,693,454	\$ 2,154,763	\$ 538,691	
605350	BERKSHIRE	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	
607345	BOSTON	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	
607113	CENTRAL MASS	DUDLEY - BRIDGE REPLACEMENT, D-12-009, CARPENTER ROAD OVER ABANDONED RR	3	STP-BR-OFF	\$ 2,305,800	\$ 1,844,640	\$ 461,160	
606303	CENTRAL MASS	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	
604468	CENTRAL MASS	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	
602320	FRANKLIN	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	
607118	FRANKLIN	HEATH - BRIDGE REPLACEMENT, H-14-009, SADOGA ROAD OVER THE BURREINGTON BROOK	1	STP-BR-OFF	\$ 1,684,800	\$ 1,347,840	\$ 336,960	
607524	PIONEER VALLEY	BELCHERTOWN- WARREN- BRIDGE DEMOLITION, B-05-023, W-07-012, OLD BOSTON POST ROAD (EAST MAIN STREET/NAULTAUG BROOK)	2	STP-BR-OFF	\$ 2,477,738	\$ 1,982,190	\$ 495,548	
607537	SOUTHEAST MASS	FALL RIVER- BRIDGE WORK, AIRPORT ROAD OVER ROUTE 24	5	STP-BR-OFF	\$ 3,374,576	\$ 2,699,661	\$ 674,915	

Off System Bridge Subtotal ►	\$ 36,883,558	\$ 29,506,846	\$ 7,376,712	◀ 80% Federal + 20% Non-Federal
	Fed Aid Target	\$ 28,456,838		
	Difference	\$ 1,050,008		

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► On System Bridges								
603008	BOSTON	WOBURN- BRIDGE REPLACEMENT, W-43-003, SALEM STREET OVER MBTA	4	NHPP	\$ 7,089,200	\$ 5,671,360	\$ 1,417,840	
607685	BOSTON	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	
606553	BOSTON	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
600867	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
600703	BOSTON	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
604029	MARTHA'S VINEYARD	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	NHPP	\$ 15,447,468	\$ 12,357,974	\$ 3,089,494	AC Yr 4 of 5:
602932	NORTHERN MIDDLESEX	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
605618	PIONEER VALLEY	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	
606525	SOUTHEAST MASS	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 3 of 3; Total Cost = \$22,361,000
605223	SOUTHEAST MASS	FALL RIVER- INTERCHANGE IMPROVEMENTS AT ROUTE I-195/ROUTE 79/ROUTE 138	5	NHPP	\$ 1,598,263	\$ 1,278,610	\$ 319,653	AC Year 4 of 4. Total Cost= \$270,626,756. - \$88,273,263 is for Structural Repairs, Cleaning and Painting to the Braga Bridge. This portion of the project is being advance constructed with federal Bridge funds over FY 2013-2016. - \$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), \$31,075,000 is additional state funding, and \$993,500 is Section 330 federal funding designated for Route 79.
On System Bridge Subtotal ►					\$ 96,507,575	\$ 77,206,060	\$ 19,301,515	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$ 77,527,021	\$ 106,908,776		
					Difference \$ (320,961)			
Bridge Replacement Rehabilitation Program Subtotal ►					\$ 133,391,133	\$ 106,712,906	\$ 26,678,227	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$ 105,983,859			
					Difference \$ 729,047			
					Constrained? No			

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1B / Federal Aid Bridge Projects								
► Off-System Bridges								
607550	BERKSHIRE	LEE- BRIDGE REPLACEMENT, CHAPEL ST OVER THE GREENWATER BROOK	1	STP-BR-OFF	\$ 2,053,000	\$ 1,642,400	\$ 410,600	
607551	BERKSHIRE	LEE- BRIDGE REPLACEMENT, VALLEY ST OVER THE HOUSATONIC RIVER	1	STP-BR-OFF	\$ 5,017,680	\$ 4,014,144	\$ 1,003,536	
121102	BERKSHIRE	SHEFFIELD- BRIDGE BETTERMENT, BR# S-10-002 ROUTE 7A/HOUSATONIC RIVER.	1	STP-BR-OFF	\$ 5,584,696	\$ 4,467,757	\$ 1,116,939	
607548	FRANKLIN	SHELBURNE - BRIDGE REPLACEMENT S-11-006, BARDWELL FERRY ROAD OVER DRAGON BROOK	1	STP-BR-OFF	\$ 2,371,600	\$ 1,897,280	\$ 474,320	
607584	FRANKLIN	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	
607527	FRANKLIN	ORANGE - BRIDGE REPLACEMENT O-03-009, HOLTSHIRE ROAD OVER MILLERS RIVER	2	STP-BR-OFF	\$ 3,947,720	\$ 3,158,176	\$ 789,544	
607529	MONTACHU SETT	WINCHENDON - BRIDGE REPAIR, N. ROYALSTON ROAD OVER WEST BRANCH OF MILLERS RIVER	2	STP-BR-OFF	\$ 2,624,440	\$ 2,099,552	\$ 524,888	
607528	PIONEER VALLEY	AMHERST - BRIDGE MILL STREET OVER MILL RIVER	2	STP-BR-OFF	\$ 2,754,040	\$ 2,203,232	\$ 550,808	
602564	SOUTHEAST MASS	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	
608244	MONTACHU SETT	ROYALSTON- BRIDGE REPLACEMENT, R-12-001, STOCKWELL ROAD OVER LAWRENCE BROOK	2	STP-BR-OFF	\$ 1,075,360	\$ 860,288	\$ 215,072	
607549	PIONEER VALLEY	CHESTERFIELD - IRELAND STREET OVER WEST BRANCH OF WESTFIELD RIVER	1	STP-BR-OFF	\$ 3,649,520	\$ 2,919,616	\$ 729,904	
Off-System Bridges Subtotal ►					\$ 35,569,576	\$ 28,455,661	\$ 7,113,915	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	28,456,838		
					Difference \$	(1,177)		

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► On System Bridges								
604173	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
600867	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
607954	BOSTON	DANVERS - BRIDGE REPLACEMENT, D-03-018, ROUTE 128 OVER WATERS RIVER	4	NHPP	\$ 10,513,973	\$ 8,411,178	\$ 2,102,795	
606553	BOSTON	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
604952	BOSTON	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
607671	FRANKLIN	HEATH- BRIDGE REPLACEMENT, H-14-001, SR 8A (JACKSONVILLE STREET) OVER MILL BROOK	1	NHPP	\$ 1,901,880	\$ 1,521,504	\$ 380,376	
604029	MARTHA'S VINEYARD	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	NHPP	\$ 1,632,532	\$ 1,306,026	\$ 326,506	AC YR 5 of 5
605094	MONTACHUSETT	FITCHBURG- BRIDGE REPLACEMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	3	NHPP	\$ 5,439,420	\$ 4,351,536	\$ 1,087,884	
605384	PIONEER VALLEY	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	
605328	SOUTHEAST MASS	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	
606525	SOUTHEAST MASS	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
On-System Bridges Subtotal ►					\$ 96,804,060	\$ 77,443,248	\$ 19,360,812	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$ 77,881,548	\$ 107,351,935		
					Difference \$ (438,300)			
Bridge Replacement Rehabilitation Program Subtotal ►					\$ 132,373,636	\$ 105,898,909	\$ 26,474,727	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$ 106,338,386			
					Difference \$ (439,477)			
					Constrained? Yes			

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Bridge Preservation								
607512	BERKSHIRE	NORTH ADAMS- SYSTEMATIC BRIDGE MAINTENANCE, N-14-019, ROUTE 8A (HODGES CROSS RD.)OVER SOUTH BRANCH HOOSIC RIVER	1	NHPP	\$ 309,994	\$ 247,995	\$ 61,999	
607507	BOSTON	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	
606075	CENTRAL MASS	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	
607514	STATEWIDE	DISTRICT 5- BRIDGE MAINTENANCE AT VARIOUS LOCATIONS ALONG THE ROUTE 24 & ROUTE 3 CORRIDORS	5	NHPP	\$ 1,899,990	\$ 1,519,992	\$ 379,998	
607499	STATEWIDE	DISTRICT 6- SYSTEMATIC BRIDGE MAINTENANCE ON SR 3	6	NHPP	\$ 1,874,880	\$ 1,499,904	\$ 374,976	
607517	STATEWIDE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2017)	2	NHPP	\$ 1,849,963	\$ 1,479,971	\$ 369,993	
Bridge Preservation Program Subtotal ►					\$ 9,924,717	\$ 7,939,774	\$ 1,984,943	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	8,000,000		
					Difference \$	(60,226)		
					Constrained?	Yes		
► Bridge Inspection								
BRI	STATEWIDE	BRIDGE INSPECTION	SW	NHPP	\$ 6,250,000	\$ 5,000,000	\$ 1,250,000	
					Fed Aid Target \$	5,000,000		
					Difference \$	-		
					Constrained?	Yes		
Section 1B - Federal Aid Bridge Projects Subtotal ►					\$ 148,548,353	\$ 118,838,682	\$ 29,709,671	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	119,338,386		
					Difference \$	(499,704)		
					Constrained?	Yes		

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1B / Federal Aid Bridge Projects								
► Off-System Bridges								
606632	BOSTON	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	
607133	BOSTON	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	
604655	BOSTON	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	5	STP-BR-OFF	\$ 4,822,854	\$ 3,858,283	\$ 964,571	
607533	BOSTON	WALTHAM- WOERD AVENUE OVER THE CHARLES RIVER	4	STP-BR-OFF	\$ 3,873,360	\$ 3,098,688	\$ 774,672	
606638	CENTRAL MASS	SUTTON - BRIDGE REPLACEMENT, S-33-005, BLACKSTONE STREET OVER BLACKSTONE RIVER	3	STP-BR-OFF	\$ 5,435,448	\$ 4,348,358	\$ 1,087,090	
608179	MONTACHU SETT	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	
607127	MONTACHU SETT	HUBBARDSTON - BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	3	STP-BR-OFF	\$ 1,726,760	\$ 1,381,408	\$ 345,352	
Off-System Bridges Subtotal ►					\$ 35,570,676	\$ 28,456,541	\$ 7,114,135	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 28,456,838	\$ 35,571,048	
					Difference	\$ (297)		
► On System Bridges								
604173	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
604952	BOSTON	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
605306	MERRIMACK VALLEY	HAVERTHILL- 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
600936	PIONEER VALLEY	HOLYOKE- BRIDGE REPLACEMENT, H-21-018, LYMAN STREET OVER FIRST LEVEL CANAL	2	NHPP	\$ 14,002,570	\$ 11,202,056	\$ 2,800,514	
On-System Bridges Subtotal ►					\$ 96,052,570	\$ 76,842,056	\$ 19,210,514	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 77,006,548	\$ 106,258,185	
					Difference	\$ (164,492)		
Bridge Replacement Rehabilitation Program Subtotal ►					\$ 131,623,246	\$ 105,298,597	\$ 26,324,649	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target	\$ 105,463,386		
					Difference	\$ (164,789)		
					Constrained?	Yes		

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Bridge Preservation

607915	BOSTON	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	
607649	MERRIMACK VALLEY	HAVERTHILL-WOBURN-BRIDGE STEEL PAINTING, H-12-057(2RR&2RT) & W043-035 (2ME)	4	NHPP	\$ 2,160,000	\$ 1,728,000	\$ 432,000	
607939	PIONEER VALLEY	CUMMINGTON- BRIDGE MAINTENANCE, C-21-025, ROUTE 9 OVER THE WESTFIELD RIVER	1	NHPP	\$ 300,000	\$ 240,000	\$ 60,000	
607898	SOUTHEAST MASS	DISTRICT 5- BRIDGE CLEANING ALONG I-495, ROUTE 25, ROUTE 6 & ROUTE 28	5	NHPP	\$ 1,700,000	\$ 1,360,000	\$ 340,000	
607959	STATEWIDE	DISTRICT 2 - SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	2	NHPP	\$ 1,624,800	\$ 1,299,840	\$ 324,960	
607905	STATEWIDE	DISTRICT 3- BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	3	NHPP	\$ 1,350,000	\$ 1,080,000	\$ 270,000	

Bridge Preservation Program Subtotal ► \$ 8,859,200 \$ 7,087,360 \$ 1,771,840 ◀ 80% Federal + 20% Non-Federal
 Fed Aid Target \$ 8,000,000
 Difference \$ (912,640)
 Constrained? Yes

► Bridge Inspection

BRI	STATEWIDE	BRIDGE INSPECTION	SW	NHPP	\$ 6,250,000	\$ 5,000,000	\$ 1,250,000	
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Fed Aid Target \$ 5,000,000
 Difference \$ -
 Constrained? Yes

Section 1B - Federal Aid Bridge Projects Subtotal ► \$ 146,732,446 \$ 117,385,957 \$ 29,346,489 ◀ 80% Federal + 20% Non-Federal
 Fed Aid Target \$ 118,463,386
 Difference \$ (1,077,429)
 Constrained? Yes

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1B / Federal Aid Bridge Projects

► Off-System Bridges

608243	BERKSHIRE	NEW MARLBOROUGH, N-8-10, UMPACHENE FALL ROAD OVER KONKAPOT RIVER	1	STP-BR-OFF	\$ 2,062,000	\$ 1,649,600	\$ 412,400	
603255	BERKSHIRE	PITTSFIELD- BRIDGE REPLACEMENT, P-10-049, LAKEWAY DRIVE OVER ONOTA LAKE	1	STP-BR-OFF	\$ 4,134,592	\$ 3,307,674	\$ 826,918	
601486	BERKSHIRE	SHEFFIELD, BRIDGE REPLACEMENT, S-10-19, BERKSHIRE SCHOOL ROAD OVER SCHENOB BROOK	1	STP-BR-OFF	\$ 4,510,328	\$ 3,608,262	\$ 902,066	
608079	BOSTON	SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA	5	STP-BR-OFF	\$ 4,755,240	\$ 3,804,192	\$ 951,048	
BR1901	BOSTON	STOW, BRIDGE REPLACEMENT, S-29-11, BOX MILL ROAD OVER ELIZABETH BROOK	3	STP-BR-OFF	\$ 3,612,224	\$ 2,889,779	\$ 722,445	
608190	CENTRAL MASS	EAST BROOKFIELD- BRIDGE REPLACEMENT, E-02-001, SOUTH POND ROAD OVER SOUTH POND INLET	3	STP-BR-OFF	\$ 2,873,024	\$ 2,298,419	\$ 574,605	
BR1902	FRANKLIN	MONROE, BRIDGE REPLACEMENT, M-26-4, RYCROFT ROAD OVER DUNBAR BROOK	1	STP-BR-OFF	\$ 2,744,288	\$ 2,195,430	\$ 548,858	
BR1903	MONTACHU SETT	ATHOL, BRIDGE REPLACEMENT, A-15-5, WASHINGTON AVE OVER SOUTH ATHOL POND OUTLET	3	STP-BR-OFF	\$ 4,347,840	\$ 3,478,272	\$ 869,568	
BR1904	MONTACHU SETT	TOWNSEND, BRIDGE REPLACEMENT, T-7-13, WEST MEADOW ROAD OVER LOCKE BROOK	3	STP-BR-OFF	\$ 3,100,136	\$ 2,480,109	\$ 620,027	
607534	NORTHERN MIDDLESEX	TEWKSBURY - MILL STREET OVER THE SHAWSHEEN RIVER (BR-OFF)	4	STP-BR-OFF	\$ 2,167,284	\$ 1,733,827	\$ 433,457	
BR1905	PIONEER VALLEY	MIDDLEFIELD, BRIDGE REPLACEMENT, M-19-10, CHESTER ROAD OVER SMART BROOK	1	STP-BR-OFF	\$ 3,138,720	\$ 2,510,976	\$ 627,744	
Off-System Bridges Subtotal ►					\$ 37,445,676	\$ 29,956,541	\$ 7,489,135	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	29,956,838	\$ 37,446,048	
					Difference \$	(297)		

► On System Bridges

604173	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
604952	BOSTON	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
605306	MERRIMACK VALLEY	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
606552	PIONEER VALLEY	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	AC Yr 1 of 2; Total Cost = \$52,959,536
On-System Bridges Subtotal ►					\$ 92,310,000	\$ 73,848,000	\$ 18,462,000	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	73,848,386	\$ 102,310,483	
					Difference \$	(386)		
Bridge Replacement Rehabilitation Program Subtotal ►					\$ 129,755,676	\$ 103,804,541	\$ 25,951,135	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	103,805,224		
					Difference \$	(683)		
					Constrained?	Yes		

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► **Bridge Preservation**

BRPRES	STATEWIDE	BRIDGE PRESERVATION PROGRAM	SW	NHPP	\$ 10,000,000	\$ 8,000,000	\$ 2,000,000	
Bridge Preservation Program Subtotal ►					\$ 10,000,000	\$ 8,000,000	\$ 2,000,000	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	8,000,000		
					Difference \$	-		
					Constrained?	Yes		

► **Bridge Inspection**

BRI	STATEWIDE	BRIDGE INSPECTION	SW	NHPP	\$ 6,250,000	\$ 5,000,000	\$ 1,250,000	
					Fed Aid Target \$	5,000,000		
					Difference \$	-		
					Constrained?	Yes		
Section 1B - Federal Aid Bridge Projects Subtotal ►					\$ 146,005,676	\$ 116,804,541	\$ 29,201,135	◀ 80% Federal + 20% Non-Federal
					Fed Aid Target \$	116,805,224		
					Difference \$	(683)		
					Constrained?	Yes		

8. Operations and Maintenance Expenditures

Massachusetts Department of Transportation - Highway Division
 Summary of Operating and Maintenance Expenditures
 Old Colony Region - Part 1: Non-Federal Aid
 as of May 31, 2015

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

Program Group/Sub Group	Estimated SFY 2013 Expenditures	Estimated SFY 2014 Expenditures	Current SFY 2015 Expenditures to Date
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	\$0	\$0	\$0
Drawbridge Maintenance	\$0	\$0	\$0
Structures Maintenance	\$47,159	\$26,203	\$96,000
02 - Bridge Painting			
Painting - Structural	\$0	\$0	\$0
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	\$0	\$0	\$0
Hwy Reconstr - No Added Capacity	\$0	\$0	\$0
Hwy Reconstr - Minor Widening	\$0	\$0	\$0
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$0	\$0	\$0
05 - Intersection & Safety			
Impact Attenuators	\$0	\$0	\$0
Safety Improvements	\$0	\$0	\$0
Traffic Signals	\$0	\$0	\$0
06 - Signs & Lighting			
Electrical	\$0	\$0	\$0
Sign Installation / Upgrading	\$0	\$0	\$0
Structural Signing	\$0	\$0	\$0
07 - Guardrail			
Guard Rail and Fencing	\$0	\$0	\$0
08 - Maintenance			
Catch Basin Cleaning	\$0	\$0	\$0
Crack Sealing	\$0	\$0	\$0
Landscaping	\$0	\$0	\$0
Mowing and Spraying	\$0	\$0	\$0
Pavement Marking	\$0	\$0	\$0
Sewer and Water	\$0	\$0	\$0
Process/Recycle/Trnsprt Soils	\$0	\$0	\$0
Contract Hwy Maint.	\$0	\$0	\$0
09 - Facilities			
Chemical Storage Sheds	\$0	\$0	\$0
Vertical Construction	\$0	\$0	\$0
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Demolition	\$0	\$0	\$0
Drilling & Boring	\$0	\$0	\$0
Highway Sweeping	\$0	\$0	\$0
Intelligent Transportation System	\$0	\$0	\$0
Marine Construction	\$0	\$0	\$0
Miscellaneous / No prequal	\$0	\$0	\$0
Reclamation	\$0	\$0	\$0
Underground Tank Removal Replace	\$0	\$0	\$0
Unknown	\$0	\$0	\$0
Section I Total:	\$47,159	\$26,203	\$96,000

Section II - Non Federal Aid Highway Operations - State Operating Budget Funding

12 - Snow and Ice Operations & Materials	n/a	n/a	n/a
13 - District Maintenance Payroll (Mowing, Litter Management, Sight Distance Clearing, Etc.)	n/a	n/a	n/a
Section II Total:	\$0	\$0	\$0
Grand Total NFA:	\$47,159	\$26,203	\$96,000

Massachusetts Department of Transportation - Highway Division
 Summary of Operating and Maintenance Expenditures
 Old Colony Region - Part 2: Federal Aid
 as of May 31, 2015

Section I - Federal Aid Maintenance Projects

Program Group/Sub Group	Estimated SFY 2013 Expenditures	Estimated SFY 2014 Expenditures	Current SFY 2015 Expenditures to Date
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	\$0	\$0	\$0
Drawbridge Maintenance	\$0	\$0	\$0
Structures Maintenance	\$0	\$0	\$0
02 - Bridge Painting			
Painting - Structural	\$0	\$0	\$0
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	\$0	\$14,348	\$977,020
Hwy Reconstr - No Added Capacity	\$54,672	\$51,976	\$571,991
Hwy Reconstr - Minor Widening	\$1,108,819	\$88,872	\$12,306
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$7,910,763	\$8,171,800	\$2,044,696
05 - Intersection & Safety			
Impact Attenuators	\$0	\$0	\$0
Safety Improvements	\$0	\$0	\$0
Traffic Signals	\$337,703	\$167,711	\$0
06 - Signs & Lighting			
Electrical	\$0	\$0	\$0
Sign Installation / Upgrading	\$0	\$0	\$0
Structural Signing	\$0	\$0	\$0
07 - Guardrail			
Guard Rail and Fencing	\$0	\$0	\$0
08 - Maintenance			
Catch Basin Cleaning	\$0	\$0	\$0
Contract Highway Maintenance	\$0	\$0	\$0
Crack Sealing	\$0	\$0	\$0
Landscaping	\$0	\$0	\$0
Mowing and Spraying	\$0	\$0	\$0
Pavement Marking	\$0	\$0	\$0
Process/Recycle/Transport Soils	\$0	\$0	\$0
Sewer and Water	\$0	\$0	\$0
09 - Facilities			
Chemical Storage Sheds	\$0	\$0	\$0
Vertical Construction	\$0	\$0	\$0
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Demolition	\$0	\$0	\$0
Drilling & Boring	\$0	\$0	\$0
Highway Sweeping	\$0	\$0	\$0
Intelligent Transportation System	\$0	\$0	\$0
Marine Construction	\$0	\$0	\$0
Miscellaneous / No prequal	\$0	\$0	\$0
Reclamation	\$0	\$0	\$0
Underground Tank Removal Replace	\$0	\$0	\$0
Unknown	\$0	\$0	\$0
Section I Total:	\$9,411,958	\$8,494,708	\$3,606,012

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	\$0	\$0

Grand Total Federal Aid:

\$9,411,958 \$8,494,708 \$3,606,012

**Old Colony MPO
Operations and Maintenance Summary Table
For the Brockton Area Transit Authority
State Fiscal Year 2016-2019**

The numbers below represent actual numbers for the previous year, the current year budget/forecast approved by the RTA Advisory Board, and Projections for the out-years as used in the Program Preview meetings with the State. The figures provided in the below table are estimates and a forecast of projected funds necessary to meet the operating needs of the regional transit authority.

Operating Revenue	Previous	Current	Year Two	Year Three	Year Four
	2015	2016	2017	2018	2019
Farebox	\$ 3,853,400	\$ 3,929,235	\$ 4,027,466	\$ 4,128,153	\$ 4,231,356
Section 5307	\$ 1,805,229	\$ 1,837,011	\$ 1,882,936	\$ 1,930,010	\$ 1,978,260
Section 5311					
CMAQ/TDM					
Fully Funded *					
Job Access/Reverse Commute	\$ 165,000	\$ 165,000	\$ 168,100	\$ 168,100	\$ 172,303
JARC/ New Freedom New Service	\$ 130,000	\$ 133,250	\$ 136,581	\$ 139,996	\$ 143,496
Auxiliary Revenue	\$ 230,000	\$ 270,000	\$ 276,750	\$ 283,669	\$ 290,760
Interest Income	\$ 5,000	\$ 6,800	\$ 6,970	\$ 7,144	\$ 7,323
State Contract Assistance **	\$ 6,812,787	\$ 6,983,107	\$ 7,157,685	\$ 7,336,627	\$ 7,520,042
Local Assessment	\$ 2,727,856	\$ 2,813,877	\$ 2,884,224	\$ 2,956,330	\$ 3,030,238
TOTAL	\$ 15,729,272	\$ 16,138,280	\$ 16,540,712	\$ 16,950,027	\$ 17,373,778
Operating Expenses ***					
	2015	2016	2017	2018	2019
TOTAL (See Description Below)	\$ 15,729,272	\$ 16,138,280	\$ 16,540,712	\$ 16,950,027	\$ 17,373,778

Footnotes:

* Fully funded refers to contract work often to Human Service Agencies

** Operating assistance provided by the State

*** Description of Operating Expenses: Salaries and Wages; Fringe Benefits; Legal, Accounting and Professional Services; Promotion/Marketing; Insurance; Equipment Leases and Rentals; Real Property Leases and Rentals; Non-capitalized Maintenance/Repair; Fuel costs; Tire costs; Office Supplies and Equipment; Interest Expense; Utilities; Management Fees; Travel and Training; and Other miscellaneous expense items.

Massachusetts Department of Transportation
 Summary of Operating and Maintenance Expenditures
 State Total - Part 1: Non-Federal Aid
 as of May 31, 2015

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

Program Group/Sub Group	Estimated SFY 2013 Expenditures	Estimated SFY 2014 Expenditures	Current SFY 2015 Expenditures to Date
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	\$0
Safety Improvements	\$4,896	\$0	\$0
Traffic Signals	\$2,673,645	\$3,387,510	\$0
06 - Signs & Lighting			
Electrical	\$1,277,590	\$1,739,487	\$0
Sign Installation / Upgrading	\$632,242	\$820,766	\$0
Structural Signing	\$301,908	\$613,184	\$0
07 - Guardrail			
Guard Rail and Fencing	\$2,740,920	\$3,228,154	\$0
08 - Maintenance			
Catch Basin Cleaning	\$5,020,329	\$5,248,686	\$0
Contract Highway Maintenance	\$5,035,407	\$4,174,687	\$0
Crack Sealing	\$526,601	\$8,638,052	\$0
Landscaping	\$4,064,397	\$5,033,678	\$0
Mowing and Spraying	\$73,726	\$415,993	\$0
Pavement Marking	\$4,044,288	\$4,322,118	\$0
Process/Recycle/Transport Soils	\$1,148	\$384,871	\$0
Sewer and Water	\$13,349	\$183,428	\$0
09 - Facilities			
Chemical Storage Sheds	\$578,900	\$849,029	\$0
Vertical Construction	\$7,124,346	\$16,197,682	\$0
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Demolition	\$2,282,970	\$254,325	\$0
Drilling & Boring	\$25,313	\$0	\$0
Highway Sweeping	\$570,558	\$698,618	\$0
Intelligent Transportation System	\$961,221	\$91,118	\$0
Marine Construction	\$0	\$0	\$0
Miscellaneous / No prequal	\$3,593,025	\$2,289,765	\$0
Reclamation	\$0	\$0	\$0
Underground Tank Removal Replace	\$32,754	\$0	\$0
Hazardous Waste Remediation	\$1,860,342	\$53,415	\$0
Unknown	\$481,028	\$517,930	\$0
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	\$92,067,574	\$119,915,309	\$131,541,859
13 - District Maintenance Payroll (Mowing, Litter Management, Sight Distance 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

Massachusetts Department of Transportation
 Summary of Operating and Maintenance Expenditures
 State Total - Part 2: Federal Aid
 as of May 31, 2015

Section I - Federal Aid Maintenance Projects

Program Group/Sub Group	Estimated SFY 2013 Expenditures	Estimated SFY 2014 Expenditures	Current SFY 2015 Expenditures to Date
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	\$0	\$0	\$0
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	\$0	\$0	\$0
Safety Improvements	\$171,570	\$5,399	\$0
Traffic Signals	\$12,512,085	\$5,882,616	\$0
06 - Signs & Lighting			
Electrical	\$1,232,314	\$2,196,210	\$0
Sign Installation / Upgrading	\$1,212,793	\$2,847,640	\$0
Structural Signing	\$3,098,537	\$6,417,217	\$0
07 - Guardrail			
Guard Rail and Fencing	\$1,644,324	\$1,885,934	\$0
08 - Maintenance			
Catch Basin Cleaning	\$0	\$0	\$0
Contract Highway Maintenance	\$4,151,018	\$3,293,626	\$0
Crack Sealing	\$0	\$0	\$0
Landscaping	\$809,120	\$58,400	\$0
Mowing and Spraying	\$0	\$0	\$0
Pavement Marking	\$318,169	\$133,236	\$0
Process/Recycle/Transport Soils	\$0	\$0	\$0
Sewer and Water	\$0	\$0	\$0
09 - Facilities			
Chemical Storage Sheds	\$0	\$0	\$0
Vertical Construction	\$315,540	\$12,062	\$0
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Demolition	\$0	\$0	\$0
Drilling & Boring	\$7,887	\$916	\$0
Highway Sweeping	\$0	\$0	\$0
Intelligent Transportation System	\$6,210,680	\$5,997,614	\$0
Marine Construction	\$2,565,340	\$2,655,746	\$0
Miscellaneous / No prequal	\$5,072,465	\$437,469	\$0
Reclamation	\$146,028	\$15,713	\$0
Underground Tank Removal Replace	\$0	\$0	\$0
Unknown	\$0	\$0	\$0
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	\$0
ITS Operations - Traffic Operations Center (South Boston)	\$600,000	\$600,000	\$0
Section II Total	\$1,150,000	\$1,150,000	\$0

Grand Total Federal Aid:

\$344,783,327 \$449,577,194 \$351,066,362

Massachusetts Department of Transportation - Highway Division
 Summary of Operating and Maintenance Expenditures
 Statewide Contracts - Part 1: Non-Federal Aid
 as of May 31, 2015

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

Program Group/Sub Group	Estimated SFY 2013 Expenditures	Estimated SFY 2014 Expenditures	Current SFY 2015 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	
Bridge Replacement (Excluded)	n/a	n/a	
Bridge Reconstruction/Rehab	\$0	\$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	\$0	\$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	\$0	\$0	\$0
Hwy Reconstr - Minor Widening	\$0	\$0	\$0
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$11,448,033	\$28,199,309	\$10,099,127
05 - Intersection & Safety			
Impact Attenuators	\$343,745	\$249,117	\$0
Safety Improvements	\$0	\$0	\$0
Traffic Signals	\$2,673,645	\$3,387,510	\$0
06 - Signs & Lighting			
Electrical	\$1,276,874	\$1,696,432	\$0
Sign Installation / Upgrading	\$609,383	\$820,766	\$0
Structural Signing	\$301,908	\$613,184	\$0
07 - Guardrail			
Guard Rail and Fencing	\$2,388,637	\$3,228,154	\$0
08 - Maintenance			
Catch Basin Cleaning	\$5,020,329	\$5,248,686	\$0
Crack Sealing	\$5,015,414	\$4,174,687	\$0
Landscaping	\$526,601	\$8,638,052	\$0
Mowing and Spraying	\$4,063,711	\$5,033,678	\$0
Pavement Marking	\$73,726	\$415,993	\$0
Sewer and Water	\$3,942,801	\$4,318,298	\$0
Process/Recycle/Trnsprt Soils	\$0	\$0	\$0
Contract Hwy Maint.	\$13,349	\$183,428	\$0
09 - Facilities			
Chemical Storage Sheds	\$551,735	\$849,029	\$0
Vertical Construction	\$5,224,912	\$4,290,212	\$0
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Demolition	\$0	\$0	\$0
Drilling & Boring	\$25,313	\$0	\$0
Highway Sweeping	\$570,558	\$698,618	\$0
Intelligent Transportation System	\$823,727	\$86,025	\$0
Marine Construction	\$0	\$0	\$0
Miscellaneous / No prequal	\$1,898,989	\$1,928,892	\$0
Reclamation	\$0	\$0	\$0
Underground Tank Removal Replace	\$32,754	\$0	\$0
Hazardous Waste Remediation	\$1,860,342	\$53,415	\$0
Unknown	\$481,028	\$517,930	\$0
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	\$92,067,574	\$119,915,309	\$131,541,859
13 - District Maintenance Payroll (Mowing, Litter Management, Sight Distance 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
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Massachusetts Department of Transportation - Highway Division
 Summary of Operating and Maintenance Expenditures
 Statewide Contracts - Part 2: Federal Aid
 as of May 31, 2015

Section I - Federal Aid Maintenance Projects

Program Group/Sub Group	Estimated SFY 2013 Expenditures	Estimated SFY 2014 Expenditures	Current SFY 2015 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	
Bridge Replacement (Excluded)	n/a	n/a	
Bridge Reconstruction/Rehab	\$0	\$0	\$0
Drawbridge Maintenance	\$0	\$0	\$0
Structures Maintenance	\$788,063	\$2,363,766	\$4,775,569
02 - Bridge Painting			
Painting - Structural	\$0	\$0	\$0
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	\$0	\$1,198,567	\$1,737,926
Hwy Reconstr - No Added Capacity	\$0	\$148,014	\$488,054
Hwy Reconstr - Minor Widening	\$0	\$0	\$0
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$1,160,946	\$0	\$52,172
05 - Intersection & Safety			
Impact Attenuators	\$0	\$0	\$0
Safety Improvements	\$0	\$0	\$0
Traffic Signals	\$0	\$0	\$0
06 - Signs & Lighting			
Electrical	\$366,192	\$1,847,736	\$0
Sign Installation / Upgrading	\$172,664	\$4,885	\$0
Structural Signing	\$0	\$0	\$0
07 - Guardrail			
Guard Rail and Fencing	\$0	\$0	\$0
08 - Maintenance			
Catch Basin Cleaning	\$0	\$0	\$0
Contract Highway Maintenance	\$4,151,018	\$3,293,626	\$0
Crack Sealing	\$0	\$0	\$0
Landscaping	\$0	\$0	\$0
Mowing and Spraying	\$0	\$0	\$0
Pavement Marking	\$318,169	\$133,236	\$0
Process/Recycle/Trnsport Soils	\$0	\$0	\$0
Sewer and Water	\$0	\$0	\$0
09 - Facilities			
Chemical Storage Sheds	\$0	\$0	\$0
Vertical Construction	\$14,336	\$871	\$0
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Demolition	\$0	\$0	\$0
Drilling & Boring	\$7,887	\$916	\$0
Highway Sweeping	\$0	\$0	\$0
Intelligent Transportation System	\$3,298,036	\$3,714,508	\$0
Marine Construction	\$0	\$0	\$0
Miscellaneous / No prequal	\$0	\$9,706	\$0
Reclamation	\$0	\$0	\$0
Underground Tank Removal Replace	\$0	\$0	\$0
Unknown	\$0	\$0	\$0
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	\$0	\$0

Grand Total Federal Aid:

\$10,277,311 \$12,715,830 \$7,053,721

9. Greenhouse Gas Monitoring and Evaluation Calculations

2016-2019 Transportation Improvement Program Greenhouse Gas Monitoring and Evaluation

Introduction

This section summarizes the greenhouse gas (GHG) impacts that are anticipated to result from the projects that are included in this FFY 2016 – 2019 Transportation Improvement Program (TIP). It includes a summary of the state laws and policies that call for reducing greenhouse gas in order to mitigate global climate change, actions that are being to respond to these state laws and policies, the role of regional planning and TIP development in reducing GHG emission and tracking these reductions, and the projected GHG emission impacts from the projects programmed in the TIP.

State Policy Context

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



GreenDOT Policy

The transportation sector is the single largest emitter of greenhouse gases, accounting for over a third of GHG emissions, and therefore the transportation sector is a key focus of the *Clean Energy and Climate Plan*. MassDOT's approach to supporting the implementation of the plan is set forth in its GreenDOT Policy Directive, a comprehensive sustainability initiative that sets three principal objectives:





Reduce greenhouse gas (GHG) emissions. MassDOT will achieve this by taking GHG emissions into account in all of its responsibilities, from strategic planning to project design and construction and system operations.



Promote the healthy transportation modes of walking, bicycling, and public transit. MassDOT will achieve this by pursuing multi-modal, “complete streets” design standards; providing choice in transportation services; and by working with MPOs and other partners to prioritize and program a balance of projects that serve drivers, pedestrians, bicyclists, and public transit riders.



To support smart growth development. MassDOT will achieve this by working with MPOs and other partners to make transportation investments that enable denser, smart growth development patterns that support reduced GHG emissions.

GreenDOT Policy and Metropolitan Planning Organizations

The Commonwealth’s thirteen metropolitan planning organizations (MPOs) are integrally involved in helping to achieve the GreenDOT goals and supporting the GHG reductions mandated under the GWSA. The MPOs are most directly involved in helping to achieve the GHG emissions reductions under the second goal – to promote healthy transportation modes through prioritizing and programming an appropriate balance of roadway, transit, bicycle and pedestrian investments – and assist in the third goal by supporting smart growth development patterns through the creation of a balanced multi-modal transportation system. This will be realized through the transportation goals and policies espoused in the 2016 Regional Transportation Plans (RTPs), the major projects planned in the RTPs, and the mix of new transportation projects that are programmed and implemented through the TIPs. The GHG tracking and evaluation processes enable the MPOs to identify the anticipated GHG impacts of the planned and programmed projects, and also to use GHG impacts as a criterion in prioritizing transportation projects.

Regional GHG Tracking and Evaluation in RTPs

MassDOT coordinated with MPOs and regional planning agency (RPA) staffs on the implementation of GHG tracking and evaluation in development of each MPO’s 2035 RTPs, which were adopted in September 2011. This collaboration has continued for the MPO’s 2040 RTPs and 2016-19 TIPs.

Working together, MassDOT and the MPOs have attained the following milestones:

- Modeling and long-range statewide projections for GHG emissions resulting from the transportation sector. Using the Boston MPO’s regional model and the statewide travel demand model for the remainder of the state, GHG emissions were projected for 2020 no-build and build conditions, and for 2040 no-build and build conditions.
- All of the MPOs included these GHG emission projections in their RTPs, along with a discussion of climate change and a statement of MPO support for reducing GHG emissions as a regional goal.



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 MPO Transportation Improvement Programs (TIP). The TIP includes both the larger, regionally-significant projects from the RTPs, which have already had their aggregate GHG impacts calculated and reported in the RTP, as well as smaller projects that are not included in the RTP but that may nevertheless have impacts on GHG emissions. The principal objective of this tracking is to enable the MPOs to evaluate expected GHG impacts of different projects and to use this information as a criterion for prioritizing and programming projects in future TIPs.

In order to monitor and evaluate the GHG impacts of TIP projects, MassDOT and the MPOs have developed the following approach for identifying anticipated GHG impacts and quantifying GHG impacts of projects, when appropriate, through the TIP. Different types of projects will have different anticipated GHG emissions impacts. The different project categories are outlined on the next two pages with this region's project tracking sheet on the third page.

Calculation of GHG Impacts for TIP Projects

The Office of Transportation Planning at MassDOT provided the spreadsheets that are used for determining Congestion Management and Air Quality Improvement (CMAQ) eligibility. These spreadsheets require the same inputs as the CMAQ calculations, and have been adapted to provide CO₂ impacts. The data and analysis required for these calculations is available from functional design reports that should be submitted for projects that would produce a measurable GHG impact.



Projects
with
Quantified
Impacts

RTP Projects - Major capacity expansion projects would be expected to have a significant impact on GHG emissions. However, these projects are included in the RTPs and analyzed using the statewide model or Boston regional model, which would reflect their GHG impacts. Therefore, no independent TIP calculations are required.

Quantified Decrease in Emissions - Projects that would be expected to produce a measurable decrease in emissions. The approach for calculating these impacts is described below. These projects should be 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 would enable increased walking and biking and decreased vehicle-miles traveled (VMT).
- **Quantified Decrease in Emissions from New/Additional Transit Service** - A bus or shuttle service that would enable increased transit ridership and decreased VMT
- **Quantified Decrease in Emissions from a Park and Ride Lot** - A park-and-ride lot that would enable increased transit ridership/ increased ridesharing and decreased VMT
- **Quantified Decrease in Emissions from Bus Replacement** - A bus replacement that would directly reduce 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 that would be expected to produce a measurable increase in emissions.



No Assumed Impact/Negligible Impact on Emission - 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) would be assumed to have no GHG impact.

Assumed Nominal Decrease in Emissions - Projects that would be expected to produce a minor decrease in 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 should be 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 that would be expected to produce a minor increase in emissions that cannot be calculated with any precision.

Regional Greenhouse Gas Impact Summary Tables for FFY 2016 – 2019 TIP

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

2016 Regional Project Tracking

MassDOT Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers
608085	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	Qualitative	Assumed Nominal Decrease in Emissions from Other Improvements	TBD



606036	BROCKTON- SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/LORRAINE AVENUE	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	2,571.619 kg Winter CO 73,162.015 kg Summer CO2
604957	PEMBROKE- RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO WASHINGTON STREET (ROUTE 53) Advance Construction Phase 2 of 2	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	25.655 kg Winter CO 729.893 kg Summer CO2
Total Impact Winter CO (in kilograms)				TBD
Total Impact Summer CO2 (in kilograms)				TBD

2017 Regional Project Tracking

MassDOT Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers
607438	EASTON - ROUTE 138 @ UNION STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	11,253.473 kg Winter CO 326,293.197 kg Summer CO2
607337	PEMBROKE - ROUTE 53 AT PLEASANT STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	5,887.735 kg Winter CO 170,714.225 kg Summer CO2
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	TBD
Total Impact Winter CO (in kilograms)				TBD
Total Impact Summer CO2 (in kilograms)				TBD



2018 Regional Project Tracking

MassDOT Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers
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)	TBD kg Winter CO TBD kg Summer CO2
606143	BROCKTON- INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/QUINCY STREET/MASSASOIT BOULEVARD	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	TBD kg Winter CO TBD kg Summer CO2
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)	20,497.870 kg Winter CO 583,159.967 kg Summer CO2
Total Impact Winter CO (in kilograms)				TBD
Total Impact Summer CO2 (in kilograms)				TBD

2019 Regional Project Tracking

MassDOT Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers
608086	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	TBD kg Winter CO TBD kg Summer CO2
608143	BROCKTON - NORTH QUINCY STREET, CHESTNUT STREET, AND BOUNDARY AVENUE SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	TBD kg Winter CO TBD kg Summer CO2
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)	TBD kg Winter CO TBD kg Summer CO2



607217	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION ON FROM NEWELL CIRCLE TO ROUTE 138	Quantified	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	TBD kg Winter CO TBD kg Summer CO2
		Total Impact Winter CO (in kilograms)		TBD
		Total Impact Summer CO2 (in kilograms)		TBD



2016 OLD COLONY TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Funding Source ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG Impact by the Numbers (kg/year) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects							
► HSIP - Highway Safety Improvement Program							
0	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD		\$ 460,000	Qualitative	0	Assumed Nominal Decrease in Emissions from Other Improvements	
					Quantified Impact ►	0	
► CMAQ - Congestion Mitigation and Air Quality Improvement							
0	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE		\$ 3,541,396	Quantified	73,162	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ►	73,162	
► TAP - Transportation Alternatives Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Non-CMAQ/HSIP/TAP (Other)							
0	PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53 AC PHASE 2 OF 2		\$ 2,085,520	Quantified	0	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	Decrease in Emissions included in FFY 2015 as this is Advance Construction Phase 2 of 2.
					Quantified Impact ►	0	
Available							
► Section 1B / Federal Aid Bridge Projects							
► Statewide Bridge Maintenance Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
► On System							
0	No Projects Programmed		\$ -	N/A	0	N/A	

					Quantified Impact ▶	0		
▶ Off-System								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide Bridge Inspection Program								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Section 1C / Federal Aid Non-Target Projects								
▶ Other Federal Aid								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Section 1D / Federal Aid Major & State Category Projects								
▶ Statewide Infrastructure Program								
0	No Projects Programmed	0	\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide HSIP Program								
0	No Projects Programmed	0	\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide Safe Routes to Schools Program								
0	No Projects Programmed	0	\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide CMAQ								
0	No Projects Programmed	0	\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide Transportation Enhancements								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide ITS								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide Interstate Maintenance Program								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide NHS Preservation Program+								
607175	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3		\$ 14,252,040	N/A	0		N/A	
					Quantified Impact ▶	0		
▶ Statewide RR Grade Crossings								

0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Statewide Stormwater Retrofits								
607175	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3		\$ 300,000	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Statewide ADA Implementation Plan								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Other Statewide Items								
0	ABP GANS Repayment		\$ -	N/A	0	N/A		
0	Award Adjustments, Change Orders, Project Value Changes, Etc.		\$ -	N/A	0	N/A		
0	DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs		\$ -	N/A	0	N/A		
0	Planning		\$ -	N/A	0	N/A		
0	Statewide Design and Right of Way		\$ -	N/A	0	N/A		
0	Statewide Recreational Trails		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Section 2A / Non-Federal Projects								
▶ Non Federal Aid								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Section 2B / Non-Federal Bridge Projects								
▶ Section 2B / Non-Federal Bridge Projects								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
2016 OLD COLONY TIP GHG Tracking Summary					Total Quantified Impact ▼			
Quantified Impact ▶					73,162			

2017 OLD COLONY TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Funding Source ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG Impact by the Numbers (kg/year) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects							
► HSIP - Highway Safety Improvement Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► CMAQ - Congestion Mitigation and Air Quality Improvement							
0	EASTON- INTERSECTION IMPROVEMENTS AT WASHINGTON STREET (ROUTE 138) AND UNION STREET		\$ 1,044,228	Quantified	326,293	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
0	PEMBROKE- INTERSECTION IMPROVEMENTS AND RELATED WORK AT WASHINGTON STREET (ROUTE 53) AND PLEASANT STREET		\$ 1,957,841	Quantified	170,714	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ►	497,007	
► TAP - Transportation Alternatives Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	N/A
► Non-CMAQ/HSIP/TAP (Other)							
0	PLYMOUTH- RECONSTRUCTION OF TAYLOR AVENUE, FROM WHITE HORSE ROAD TO MANOMET POINT ROAD, INCLUDES P-13-010		\$ 5,310,240	Qualitative	0	Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	
					Quantified Impact ►	0	
Available							
► Section 1B / Federal Aid Bridge Projects							

► Statewide Bridge Maintenance Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► On System							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Off-System							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide Bridge Inspection Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Section 1C / Federal Aid Non-Target Projects							
► Other Federal Aid							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Section 1D / Federal Aid Major & State Category Projects							
► Statewide Infrastructure Program							
0	No Projects Programmed	0	\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide HSIP Program							
0	No Projects Programmed	0	\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide Safe Routes to Schools Program							
0	No Projects Programmed	0	\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide CMAQ							
607860	WHITMAN - TRAFFIC SIGNAL IMPROVEMENTS & RELATED WORK ON BEDFORD STREET (ROUTE 18) AT 2 LOCATIONS: AUBURN STREET (ROUTE 14) & TEMPLE STREET (ROUTE 27)	CMAQ	\$ 2,600,052	Quantified	0	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ►	0	
► Statewide Transportation Enhancements							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	

► Statewide ITS							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide Interstate Maintenance Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide NHS Preservation Program+							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide RR Grade Crossings							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide Stormwater Retrofits							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide ADA Implementation Plan							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Other Statewide Items							
0	ABP GANS Repayment		\$ -	N/A	0	N/A	
0	Award Adjustments, Change Orders, Project Value Changes, Etc.		\$ -	N/A	0	N/A	
0	DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs		\$ -	N/A	0	N/A	
0	Planning		\$ -	N/A	0	N/A	
0	Statewide Design and Right of Way		\$ -	N/A	0	N/A	
0	Statewide Recreational Trails		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Section 2A / Non-Federal Projects							
► Non Federal Aid							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Section 2B / Non-Federal Bridge Projects							
► Section 2B / Non-Federal Bridge Projects							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	

2017 OLD COLONY TIP GHG Tracking Summary

Total Quantified
Impact ▼

Quantified Impact ▶

497,007

2018 OLD COLONY TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Funding Source ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG Impact by the Numbers (kg/year) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects							
► HSIP - Highway Safety Improvement Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► CMAQ - Congestion Mitigation and Air Quality Improvement							
0	BROCKTON- INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/QUINCY STREET/MASSASOIT BOULEVARD		\$ 3,897,438	Quantified	0	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ►	0	
► TAP - Transportation Alternatives Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Non-CMAQ/HSIP/TAP (Other)							
0	PLYMOUTH - IMPROVEMENTS ON OBERY STREET, FROM SOUTH STREET TO A.A. CARANCI WAY/PLYMOUTH NORTH H.S. DRIVE INTERSECTION		\$ 4,995,087	Quantified	583,160	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ►	583,160	
Available							
► Section 1B / Federal Aid Bridge Projects							
► Statewide Bridge Maintenance Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► On System							

0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Off-System							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Statewide Bridge Inspection Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Section 1C / Federal Aid Non-Target Projects							
▶ Other Federal Aid							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Section 1D / Federal Aid Major & State Category Projects							
▶ Statewide Infrastructure Program							
0	No Projects Programmed	0	\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Statewide HSIP Program							
0	No Projects Programmed	0	\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Statewide Safe Routes to Schools Program							
0	No Projects Programmed	0	\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Statewide CMAQ							
608088	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	CMAQ	\$ 4,542,720	Quantified	0	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ▶	0	
▶ Statewide Transportation Enhancements							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Statewide ITS							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	
▶ Statewide Interstate Maintenance Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ▶	0	

► Statewide NHS Preservation Program+							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide RR Grade Crossings							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide Stormwater Retrofits							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Statewide ADA Implementation Plan							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Other Statewide Items							
0	ABP GANS Repayment		\$ -	N/A	0	N/A	
0	Award Adjustments, Change Orders, Project Value Changes, Etc.		\$ -	N/A	0	N/A	
0	DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs		\$ -	N/A	0	N/A	
0	Planning		\$ -	N/A	0	N/A	
0	Statewide Design and Right of Way		\$ -	N/A	0	N/A	
0	Statewide Recreational Trails		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Section 2A / Non-Federal Projects							
► Non Federal Aid							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Section 2B / Non-Federal Bridge Projects							
► Section 2B / Non-Federal Bridge Projects							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
					Total Quantified Impact ▼		
					Quantified Impact ►	583,160	

2018 OLD COLONY TIP GHG Tracking Summary

2019 OLD COLONY TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Funding Source ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG Impact by the Numbers (kg/year) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects							
► HSIP - Highway Safety Improvement Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► CMAQ - Congestion Mitigation and Air Quality Improvement							
0	BROCKTON- INTERSECTION IMPROVEMENTS AT NORTH QUINCY STREET, BOUNDARY AVENUE AND CHESTNUT STREET		\$ 2,240,448	Quantified	0	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ►	0	
► TAP - Transportation Alternatives Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► Non-CMAQ/HSIP/TAP (Other)							
0	EASTON- CORRIDOR IMPROVEMENTS ON DEPOT STREET (ROUTE 123), FROM NEWELL CIRCLE TO WASHINGTON STREET (ROUTE 138)		\$ 7,220,326	Quantified	0	Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ►	0	
Available							
► Section 1B / Federal Aid Bridge Projects							
► Statewide Bridge Maintenance Program							
0	No Projects Programmed		\$ -	N/A	0	N/A	
					Quantified Impact ►	0	
► On System							
0	No Projects Programmed		\$ -	N/A	0	N/A	

					Quantified Impact ▶	0		
► Off-System								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
► Statewide Bridge Inspection Program								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
► Section 1C / Federal Aid Non-Target Projects								
► Other Federal Aid								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
► Section 1D / Federal Aid Major & State Category Projects								
► Statewide Infrastructure Program								
0	No Projects Programmed	0	\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
► Statewide HSIP Program								
0	No Projects Programmed	0	\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
► Statewide Safe Routes to Schools Program								
0	No Projects Programmed	0	\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
► Statewide CMAQ								
608086	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	CMAQ	\$ 4,049,510	Quantified	0		Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
607941	EAST BRIDGEWATER - RESURFACING AND SIDEWALK CONSTRUCTION ON BEDFORD STREET (ROUTE 18), FROM WHITMAN STREET (ROUTE 106) TO CENTRAL STREET	CMAQ	\$ 2,249,728	Quantified	0		Quantified Decrease in Emissions (See Emissions Analysis Appendix)	
					Quantified Impact ▶	0		
► Statewide Transportation Enhancements								
0	No Projects Programmed		\$ -	N/A	0		N/A	
					Quantified Impact ▶	0		
► Statewide ITS								

0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Statewide Interstate Maintenance Program								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Statewide NHS Preservation Program+								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Statewide RR Grade Crossings								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Statewide Stormwater Retrofits								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Statewide ADA Implementation Plan								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Other Statewide Items								
0	ABP GANS Repayment		\$ -	N/A	0	N/A		
0	Award Adjustments, Change Orders, Project Value Changes, Etc.		\$ -	N/A	0	N/A		
0	DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs		\$ -	N/A	0	N/A		
0	Planning		\$ -	N/A	0	N/A		
0	Statewide Design and Right of Way		\$ -	N/A	0	N/A		
0	Statewide Recreational Trails		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Section 2A / Non-Federal Projects								
▶ Non Federal Aid								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			
▶ Section 2B / Non-Federal Bridge Projects								
▶ Section 2B / Non-Federal Bridge Projects								
0	No Projects Programmed		\$ -	N/A	0	N/A		
Quantified Impact ▶					0			

2019 OLD COLONY TIP GHG Tracking Summary

Total Quantified
Impact ▼

Quantified Impact ▶

0

10. Thirty Day Public Review and Comment Period– Notice of Availability and Comments

NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD

- **2016 REGIONAL TRANSPORTATION PLAN (RTP)**
- **FFY 2016-2016 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**
 - **FFY 2016 UNIFIED PLANNINGWORK PROGRAM (UPWP)**

In accordance with the Public Participation Process developed by the Old Colony Metropolitan Planning Organization (MPO), Old Colony Planning Council (OCPC) is making the 2016 Regional Transportation Plan (RTP), the FFY 2016-2019 Transportation Improvement Program (TIP), and FFY 2016 Unified Planning Work Program (UPWP) available for public review and comment. Copies of these documents are available for review at the OCPC Offices (8:30 a.m. to 4:00 p.m.), at <http://www.ocpcrpa.org/>, and/or upon request. This notice will initiate a 30-Day Public Review and Comment Period. This process will also be used as Brockton Area Transit Authority's (BAT) public participation process. BAT, the Federal Transit Administration (FTA) Section 5307(c) applicant, has consulted with the Old Colony MPO and concurs that the public involvement process adopted by the Old Colony MPO for development of the TIP satisfies the public hearing requirements that pertain to the development of the Program of Projects for the regular Section 5307, Urbanized Area Formula Program, grant applications including the provisions for public notice and the time established for public review and comment. Public notice of public involvement activities and time established for public review and comments on the TIP will satisfy the program of projects (POP) requirements. The public discussion of the TIP at Old Colony JTC, Old Colony MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the FTA. A public meeting of the OCPC and Old Colony MPO advisory committee, the Old Colony Joint Transportation Committee (JTC), is scheduled for July 9, 2015 at 12 PM. Furthermore, a public meeting of the Old Colony MPO is scheduled for July 28, 2015 at 10 AM to hear additional public comments and consider endorsement of Amendment 4. Please contact Charles Kilmer at 508-583-1833 Extension 206 for further information.

Please send written comments to:

Old Colony Planning Council (OCPC)
70 School Street
Brockton, MA 02301
Attention: Charles Kilmer

11. Administrative Modifications and Amendments

Administrative Modifications and/ or Amendments, should they take place during the course of FFY 2016, shall be included in this section.

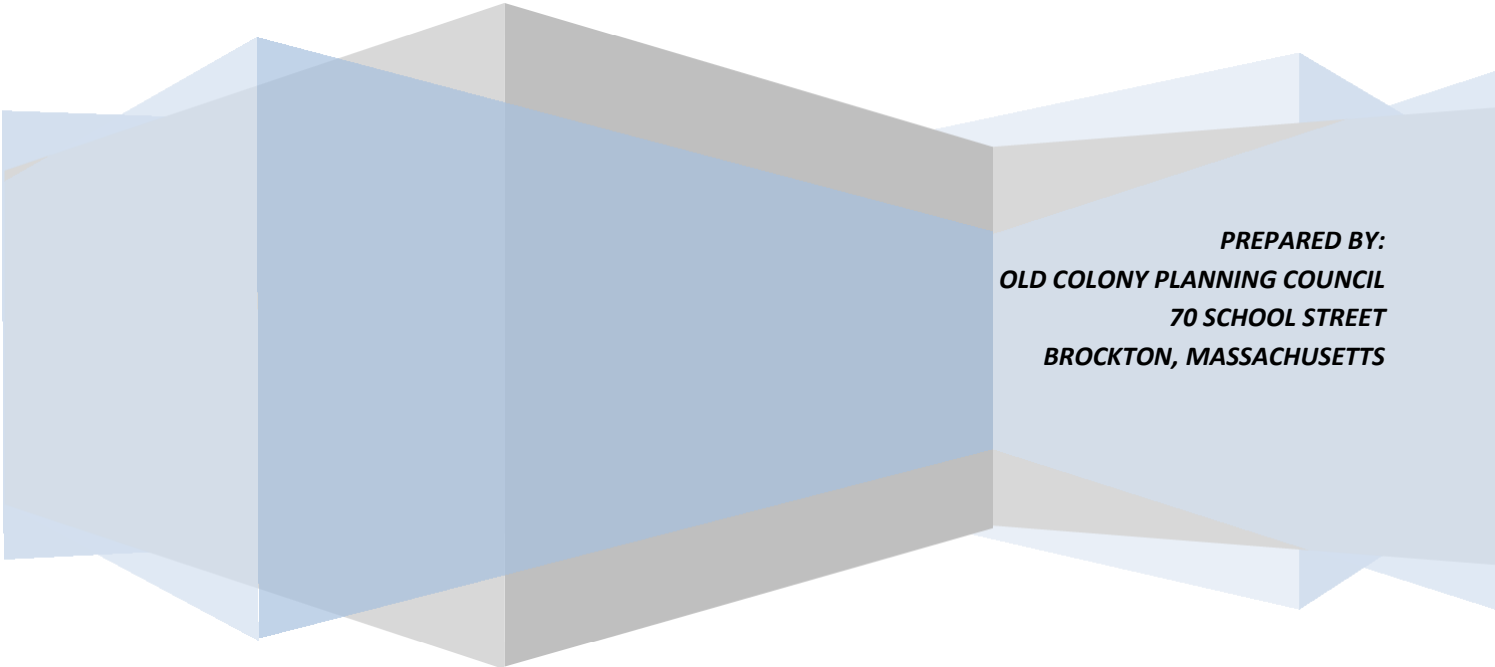
OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) ADJUSTMENT 1

- ENDORSED BY THE OLD COLONY MPO ON JANUARY 19, 2016

PREPARED IN COOPERATION WITH:

- *THE BROCKTON AREA TRANSIT AUTHORITY (BAT)*
- *THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)*
- *THE FEDERAL HIGHWAY ADMINISTRATION (FHWA)*
- *THE FEDERAL TRANSIT ADMINISTRATION (FTA)*

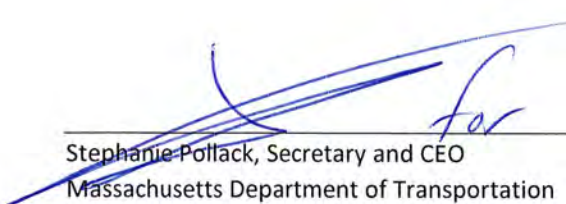


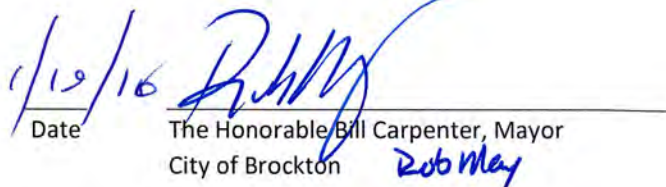
PREPARED BY:
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET
BROCKTON, MASSACHUSETTS

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

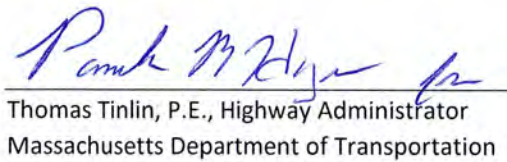
ENDORSEMENT OF FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) ADJUSTMENT 1

This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization (MPO), at their Old Colony MPO meeting on January 19, 2016, hereby approve and endorse the FFY 2016-2019 Old Colony Transportation Improvement Program (TIP) Adjustment 1 in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.


Stephanie Pollack, Secretary and CEO
Massachusetts Department of Transportation

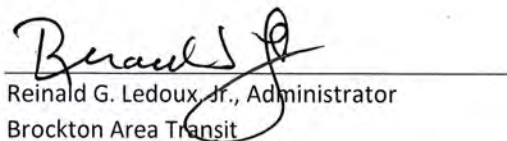
1/19/16
Date

The Honorable Bill Carpenter, Mayor
City of Brockton
Rob May

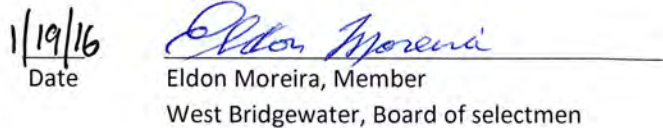
1/19/16
Date


Thomas Tinlin, P.E., Highway Administrator
Massachusetts Department of Transportation

1/19/16
Date
Kenneth Tavares, Chairman
Plymouth, Board of Selectmen

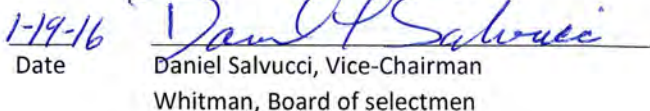
Date


Reinald G. Ledoux, Jr., Administrator
Brockton Area Transit

1/19/16
Date

Eldon Moreira, Member
West Bridgewater, Board of selectmen

1/19/16
Date


Lee Hartmann, AICP, President
Old Colony Planning Council

1-19-16
Date

Daniel Salvucci, Vice-Chairman
Whitman, Board of selectmen

1/19/16
Date

Notice of Nondiscrimination Rights and Protections to Beneficiaries

Federal "Title VI/Nondiscrimination" Protections

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Additional Information

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Old Colony Planning Council
Title VI/ Nondiscrimination Coordinator
Pat Ciaramella
70 School Street
Brockton, MA 02301
508-583-1833 Extension 202
pciaramella@ocpcrpa.org

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

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Boston, MA 02109
617-994-6000
TTY: 617-994-6196

Translation

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Vietnamese

Nếu quý vị cần thông tin này bằng tiếng khác, vui lòng liên hệ Điều phối viên Luật VI của MPO theo số điện thoại 508- 583-1833, số máy nhánh 202.

Haitian Creole

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French Creole

Si yon moun vle genyen enfòmasyon sa yo nan yon lòt lang, tanpri kontakte Kowòdinatè MPO Title VI la nan nimewo 508-583-1833, ekstansyon 202.

Russian

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French

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Mon-Khmer, Cambodian

ប្រសិនបើលោក-អ្នកត្រូវការបកប្រែពីភាសានេះ សូមទាក់ទងអ្នកសម្របសម្រួលជំពូកទី6 របស់ **MPO** តាមរយៈលេខទូរស័ព្ទ **508-583-1833** រួចភ្ជាប់ទៅលេខ **202**។

Arabic

إنك ستحتاج إلى هذا الم عمل وم انتبل غة أخرى ويج طالت صل للم من س الق ف ق راق س ادس لمن ظم قتل خ طي طال ح ر ري عل طى ه ات ف : 508- 583-1833 و ث د اض غ ط أ ل ر ق ام 202.

Updated April 2015

Old Colony Planning Council

2016 Old Colony Transportation Improvement Program

06/25/2015 Draft Released

07/28/2015 Endorsed

1/19/2016 TIP Adjustment 1 Released

1/19/2016 TIP Adjustment 1 Approved

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
	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; Phase is Construction	
HSIP Subtotal ►							\$ 460,000	\$ 414,000	\$ 46,000	◀ 90% Federal + 10% Non-Federal	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	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; Phase is Construction	
CMAQ Subtotal ►							\$ 3,541,396	\$ 2,833,117	\$ 708,279	◀ 80% Federal + 20% Non-Federal	
► TAP - Transportation Alternatives Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
TAP Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Non-CMAQ/HSIP/TAP (Other)											
	604957	Old Colony	Pembroke	PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53 AC PHASE 2 OF 2	5	STP	\$ 2,455,008	\$ 1,964,007	\$ 491,002	YOE is \$2,455,008; Total Project cost is \$9,187,877; PS&E Design; TEC Score is 7.00; Phase is Construction	
Non-CMAQ/HSIP/TAP (Other) Subtotal ►							\$ 2,455,008	\$ 1,964,007	\$ 491,002	◀ 80% Federal + 20% Non-Federal	
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►							\$ 6,456,404	\$ 7,959,824	◀ Total Target	\$ 1,503,420	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►							\$ 2,455,008	\$ 5,478,993	◀ Max. Non-CMAQ/HSIP/TAP	\$ 1,503,420	Non-CMAQ/HSIP/TAP (Other) A
Total HSIP Programmed ►							\$ 460,000	\$ 455,954	◀ Min. HSIP	\$ (4,046)	HSIP Minimum Met
Total CMAQ Programmed ►							\$ 3,541,396	\$ 1,424,858	◀ Min. CMAQ	\$ (2,116,538)	CMAQ Minimum Met
Total TAP Programmed ►							\$ -	\$ 600,019	◀ Min. TAP	\$ 600,019	TAP Minimum Not Met
HSIP, CMAQ, TAP Overprogrammed							\$ (1,520,565)				
► Section 1B / Federal Aid Bridge Projects											
► Statewide Bridge Maintenance Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
► On System											
				No Projects Programmed			\$ -	\$ -	\$ -		
On System Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Off-System											
				No Projects Programmed			\$ -	\$ -	\$ -		
Off-System Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Statewide Bridge Inspection Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
Statewide Bridge Inspection Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Section 1C / Federal Aid Non-Target Projects											
► Other Federal Aid											
				No Projects Programmed			\$ -	\$ -	\$ -		
Other Federal Aid Subtotal ►							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source	
► Section 1D / Federal Aid Major & State Category Projects											
► Statewide Infrastructure Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
Statewide Infrastructure Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	
► Statewide HSIP Program											

2016 Old Colony Transportation Improvement Program

06/25/2015 Draft Released
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				No Projects Programmed			\$ -	\$ -	\$ -				
							Statewide HSIP Program Subtotal ▶			\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► Statewide Safe Routes to Schools Program													
				No Projects Programmed			\$ -	\$ -	\$ -				
							Statewide Safe Routes to Schools Program Subtotal ▶			\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Statewide CMAQ													
				No Projects Programmed			\$ -	\$ -	\$ -				
							Statewide CMAQ ▶			\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide Transportation Enhancements													
				No Projects			\$ -	\$ -	\$ -				
							Statewide Transportation Enhancements Subtotal ▶			\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide ITS													
				No Projects			\$ -	\$ -	\$ -				
							Statewide ITS Subtotal ▶			\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide Interstate Maintenance Program													
				No Projects			\$ -	\$ -	\$ -				
							Statewide Interstate Maintenance Program Subtotal ▶			\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► Statewide NHS Preservation Program+													
ADJUSTMENT: Change Additional Information:	607175	Old Colony	Plymouth	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	\$ 14,252,040	11,401,632.0	2,850,408.0				Adjust Programmed Funds and Additional Information to capture Stormwater increase by \$90k. Adjust to \$14,642,040 Total Cost = \$14,252,040 NHS + \$390k Stormwater; Phase is
							Statewide NHS Preservation Program Subtotal ▶			\$ 14,252,040	\$ 11,401,632	\$ 2,850,408	◀ 80% Federal + 20% Non-Federal
► Statewide RR Grade Crossings													
				No Projects			\$ -	\$ -	\$ -				
							Statewide RR Grade Crossings Subtotal ▶			\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide Stormwater Retrofits													
ADJUSTMENT: Change MPO; ADJUSTMENT: Change Project Description; ADJUSTMENT: Change Project Cost; ADJUSTMENT: Change Additional Information	608134	Old Colony	Brockton	BROCKTON - STORMWATER IMPROVEMENTS ALONG ROUTE 28	5	STP-TE	\$ 101,935.55	81,548.4	20,387.1				Adjust cost from \$479,100 to \$101,935.55 and remove Hingham and Route 3A from Project Description. Previously programmed in Boston MPO TIP. Phase is Construction
ADJUSTMENT: Increase Cost; ADJUSTMENT: Change Additional Information:	607175	Old Colony	Plymouth	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	STP-TE	\$ 390,000	312,000.0	78,000.0				Adjust Programmed Funds and Additional Information to capture Stormwater increase by \$90k. Adjust to \$14,642,040 Total Cost = \$14,252,040 NHS + \$390k Stormwater; Phase is
							Statewide Stormwater Retrofits Subtotal ▶			\$ 390,000	\$ 312,000	\$ 78,000	◀ 80% Federal + 20% Non-Federal
► Statewide ADA Implementation Plan													
				No Projects			\$ -	\$ -	\$ -				
							Statewide ADA Implementation Plan Subtotal ▶			\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Other Statewide Items													
				ABP GANS Repayment			\$ -	\$ -	\$ -				
				Award Adjustments, Change Orders, Project Value Changes, Etc.			\$ -	\$ -	\$ -				
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			\$ -	\$ -	\$ -				
				Planning			\$ -	\$ -	\$ -				
				Statewide Design and Right of Way			\$ -	\$ -	\$ -				
				Statewide Recreational Trails			\$ -	\$ -	\$ -				
							Other Statewide Items Subtotal ▶			\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects													
► Non Federal Aid													
				No Projects		NFA	\$ -	\$ -	\$ -				
							Non-Federal Aid Subtotal ▶			\$ -	\$ -	\$ -	◀ 100% Non-Federal
► Section 2B / Non-Federal Bridge Projects													
► Section 2B / Non-Federal Bridge Projects													
				No Projects		NFA	\$ -	\$ -	\$ -				
							Section 2B / Non-Federal Bridge Projects Subtotal ▶			\$ -	\$ -	\$ -	◀ 100% Non-Federal

2016 Old Colony Transportation Improvement Program

06/25/2015 Draft Released
07/28/2015 Endorsed

1/19/2016 TIP Adjustment 1 Released
1/19/2016 TIP Adjustment 1 Approved

2016 OLD COLONY TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 21,098,444	\$ -	\$ 21,098,444	◀ Total Spending in Region
Federal Funds ▶	\$ 16,924,755	\$ -	\$ 16,924,755	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 4,173,689	\$ -	\$ 4,173,689	◀ Total Non-Federal Spending in Region

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT 1

- ENDORSED BY THE OLD COLONY MPO ON JANUARY 19, 2016 FOLLOWING A 30-DAY PUBLIC REVIEW AND COMMENT PERIOD

PREPARED IN COOPERATION WITH:

- *THE BROCKTON AREA TRANSIT AUTHORITY (BAT)*
- *THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)*
- *THE FEDERAL HIGHWAY ADMINISTRATION (FHWA)*
- *THE FEDERAL TRANSIT ADMINISTRATION (FTA)*

*PREPARED BY:
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET
BROCKTON, MASSACHUSETTS*

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Mon-Khmer, Cambodian

ប្រសិនបើលោក-អ្នកត្រូវការបកប្រែពីភាសានេះ សូមទាក់ទងអ្នកសម្របសម្រួលជំពូកទី6 របស់ **MPO** តាមរយៈលេខទូរស័ព្ទ **508-583-1833** រួចភ្ជាប់ទៅលេខ **202**។

Arabic

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Updated April 2015

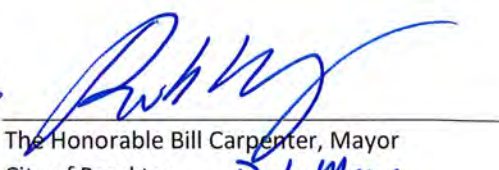
Old Colony Planning Council

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

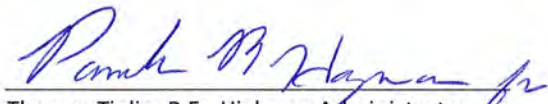
**ENDORSEMENT OF
FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
AMENDMENT 1**

This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization, at their Old Colony MPO meeting on January 19, 2016, hereby approve and endorse the FFY 2016-2019 Old Colony Transportation Improvement Program (TIP) Amendment 1 in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.

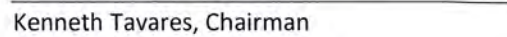

Stephanie Pollack, Secretary and CEO
Massachusetts Department of Transportation

1/19/16
Date 
The Honorable Bill Carpenter, Mayor
City of Brockton *Rob May*

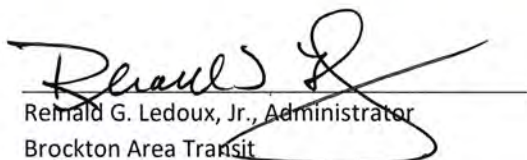
1/19/16
Date


Thomas Tinlin, P.E., Highway Administrator
Massachusetts Department of Transportation


1/19/16
Date


Kenneth Tavares, Chairman
Plymouth, Board of Selectmen

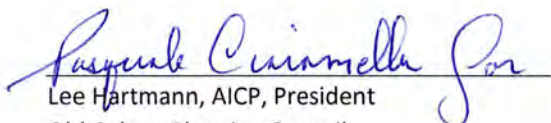
Date


Reinald G. Ledoux, Jr., Administrator
Brockton Area Transit


1-19-16
Date


Eldon Moreira, Member
West Bridgewater, Board of selectmen

1/19/16
Date


Lee Hartmann, AICP, President
Old Colony Planning Council

1-19-16
Date


Daniel Salvucci, Vice-Chairman
Whitman, Board of selectmen

1/19/16
Date

Transportation Improvement Program (TIP)

06/25/2015 TIP Released

12/15/2015 TIP Amendment 1 Released

Project List (FY2016)

07/28/2015 TIP Endorsed

01/19/2016 TIP Amendment 1 Endorsed

Amendments/ Adjustments	FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307													
	5307	Brockton Area Transit Authority	300900	Operating/PM/ADA		\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$4,000,000
AMENDMENT 1: ADD PROJECT; ; AMENDMENT 1: MOVE IN \$392,000 IN FEDERAL FUNDS FROM 2017; AMENDMENT 1: CHANGE DESCRIPTION OF CARRYOVER DETAIL FROM 2015, 2016 TO 2014, 2015.	5307	Brockton Area Transit Authority	111201	BUY REPLACEMENT 40-FT BUS (4) (Match in FY17)	2014 - \$285,881; 2015 - \$106,119	\$392,000	\$0	\$0	\$0	\$0	\$0	\$0	\$392,000
AMENDMENT 1: ADD PROJECT; AMENDMENT 1: MOVE IN \$400,000 IN FEDERAL FUNDS FROM 2017; AMENDMENT 1: CHANGE DESCRIPTION OF CARRYOVER DETAIL FROM 2016 TO 2015.	5307	Brockton Area Transit Authority	111202	BUY REPLACEMENT 35-FT BUS (4) (Match in FY17)	2015 - \$400,000	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
Subtotal						\$2,792,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$4,792,000
5309													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5310													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5311													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5337													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5339													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5320													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Federal													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Federal													
Other Non-Federal	Brockton Area Transit Authority	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)			\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000
Other Non-Federal	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT (Match for FY15)			\$0	\$6,000	\$0	\$0	\$0	\$0	\$0	\$6,000
Other Non-Federal	Brockton Area Transit Authority	111700	VEH OVERHAUL (UP TO 20% VEH MNT) (Match for FY15)			\$0	\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000
Other Non-Federal	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS (Match for FY15)			\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
Other Non-Federal	Brockton Area Transit Authority	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)			\$0	\$16,000	\$0	\$0	\$0	\$0	\$0	\$16,000
Other Non-Federal	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES (1) (Match for FY15)			\$0	\$7,600	\$0	\$0	\$0	\$0	\$0	\$7,600
Other Non-Federal	Brockton Area Transit Authority	114100	ENG & DES - BUS FUEL FAC (Match for FY15)			\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
Subtotal						\$0	\$204,600	\$0	\$0	\$0	\$0	\$0	\$204,600
Total						\$2,792,000	\$204,600	\$0	\$0	\$0	\$2,000,000	\$0	\$4,996,600

- Delete
- Modify
- Add

Transportation Improvement Program (TIP)

06/25/2015 TIP Released

12/15/2015 TIP Amendment 1 Released

Project List (FY2017)

07/28/2015 TIP Endorsed

01/19/2016 TIP Amendment 1 Endorsed

Amendments/ Adjustments	FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307													
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	114406	REHAB/RENOVATE - SHOP EQUIPMENT	2015	\$40,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$50,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS	2015	\$96,000	\$24,000	\$0	\$0	\$0	\$0	\$0	\$120,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES (1)	2015	\$48,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$60,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2015, 2016	\$40,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$50,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	300900	Operating/PM/ADA	2015	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$4,000,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	114305	CONSTRUCT - YARDS AND SHOPS	2015	\$200,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$250,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	111700	VEH OVERHAUL (UP TO 20% VEH MAINT) (5)		\$156,000	\$624,000	\$0	\$0	\$0	\$0	\$0	\$780,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	114210	ACQUIRE - MOBILE FARE COLL EQUIP - Student Pass	2015	\$20,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$25,000
AMENDMENT 1: CHANGE CARRYOVER DETAIL	5307	Brockton Area Transit Authority	114400	REHAB/RENOVATE BUS SUPPORT FACIL Garage Sealant	2016	\$60,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$75,000
Subtotal						\$2,660,000	\$750,000	\$0	\$0	\$0	\$2,000,000	\$0	\$5,410,000
5309													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5310													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5311													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5337													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5339													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5320													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Federal													
Subtotal						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Federal													
Other Non-Federal		Brockton Area Transit Authority	300900	Operating: Saturday Evening Service		\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$150,000
Other Non-Federal		Brockton Area Transit Authority	111204	BUY REPLACEMENT <30 FT BUS (7)		\$0	\$0	\$0	\$0	\$0	\$0	\$485,000	\$485,000
Other Non-Federal		Brockton Area Transit Authority	111215	BUY REPLACEMENT VAN COA (3)		\$0	\$0	\$0	\$0	\$0	\$0	\$190,000	\$190,000
Other Non-Federal		Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Sunday Service		\$0	\$0	\$0	\$0	\$0	\$175,000	\$175,000	\$350,000
Other Non-Federal		Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Avon/Stoughton		\$0	\$0	\$0	\$0	\$0	\$28,000	\$28,000	\$56,000
Other Non-Federal		Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Rockland		\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$100,000
AMENDMENT 1: ADD PROJECT; AMENDMENT 1: MOVE FEDERAL FUNDS (\$392,000) TO 2016;	5307	Brockton Area Transit Authority	111201	BUY REPLACEMENT 40-FT BUS (4)		\$0	\$1,568,000	\$0	\$0	\$0	\$0	\$0	\$1,568,000
AMENDMENT 1: CHANGE DESCRIPTION OF CARRYOVER FROM 2016 TO 2015.													
AMENDMENT 1: ADD PROJECT; AMENDMENT 1: MOVE FEDERAL FUNDS (\$400,000) TO 2016;	5307	Brockton Area Transit Authority	111202	BUY REPLACEMENT 35-FT BUS (4)		\$0	\$1,600,000	\$0	\$0	\$0	\$0	\$0	\$1,600,000
AMENDMENT 1: CHANGE DESCRIPTION OF CARRYOVER FROM 2015, 2016 TO 2014, 2015.													
Subtotal						\$0	\$3,168,000	\$0	\$0	\$0	\$328,000	\$1,003,000	\$4,499,000
Total						\$2,660,000	\$3,918,000	\$0	\$0	\$0	\$2,328,000	\$1,003,000	\$9,909,000

- Delete
- Modify
- Add

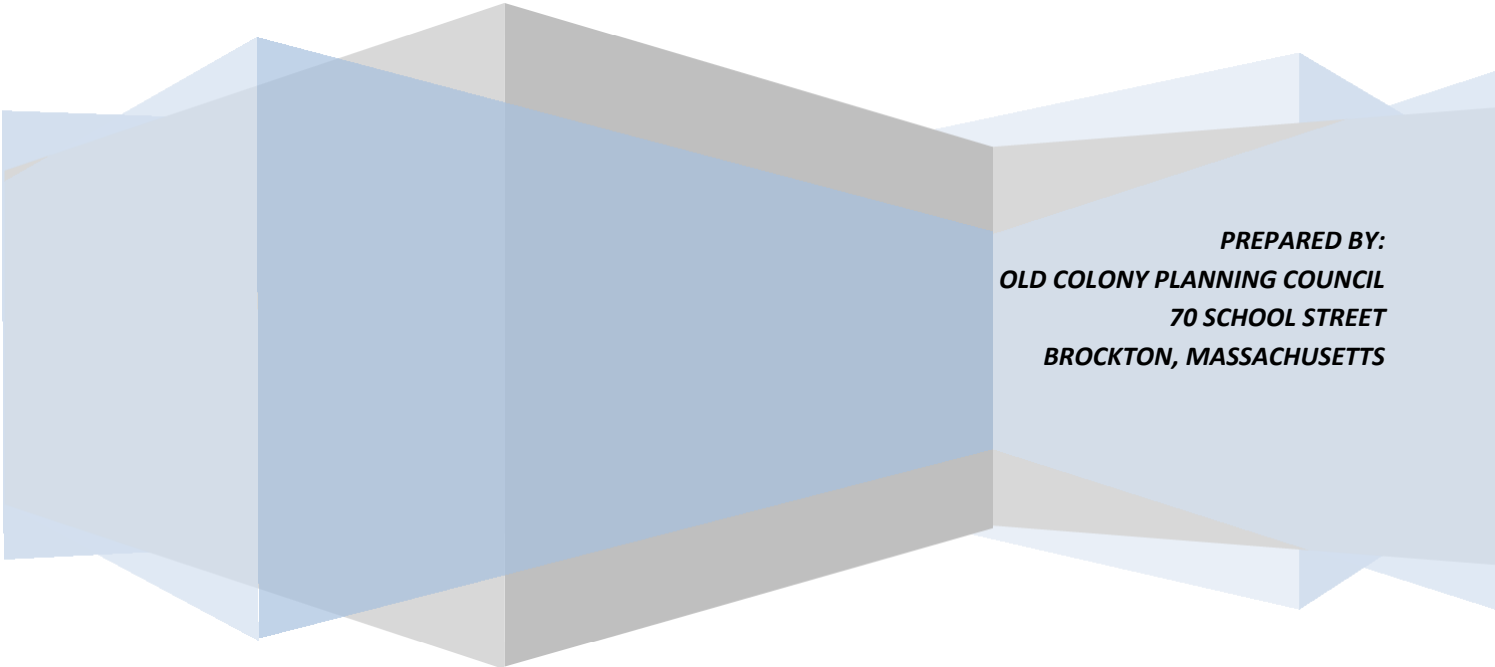
OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT 2

- ENDORSED BY THE OLD COLONY MPO ON JULY 26, 2016, FOLLOWING A 30-DAY PUBLIC REVIEW AND COMMENT PERIOD

PREPARED IN COOPERATION WITH:

- *THE BROCKTON AREA TRANSIT AUTHORITY (BAT)*
- *THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)*
- *THE FEDERAL HIGHWAY ADMINISTRATION (FHWA)*
- *THE FEDERAL TRANSIT ADMINISTRATION (FTA)*



*PREPARED BY:
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET
BROCKTON, MASSACHUSETTS*

Notice of Nondiscrimination Rights and Protections to Beneficiaries

Federal "Title VI/Nondiscrimination" Protections

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

The Old Colony MPO 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, the Old Colony MPO 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:

Old Colony Planning Council
Title VI/ Nondiscrimination Coordinator
Pat Ciaramella
70 School Street
Brockton, MA 02301
508-583-1833 Extension 202
pciaramella@ocpcrpa.org

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 MPO Title VI Coordinator at 508-583-1833 ext. 202.

Spanish

Si necesita esta información en otro idioma, por favor contacte al coordinador de MPO del Título VI al 508-583-1833 ext. 202.

Portuguese

Caso estas informações sejam necessárias em outro idioma, por favor, contate o Coordenador de Título VI da MPO pelo telefone 508-583-1833, Ramal 202

Chinese Simple

如果需要使用其它语言了解信息，请联系Old Colony大都会规划组织（MPO）《民权法案》第六章协调员，电话508- 583-1833，转202。

Chinese Traditional

如果需要使用其他語言瞭解資訊，請聯繫Old Colony大都會規劃組織（MPO）《民權法案》第六章協調員，電話508- 583-1833，轉202。

Vietnamese

Nếu quý vị cần thông tin này bằng tiếng khác, vui lòng liên hệ Điều phối viên Luật VI của MPO theo số điện thoại 508- 583-1833, số máy nhánh 202.

Haitian Creole

Si yon moun bezwen enfòmasyon sa a nan yon lòt lang, tanpri kontakte Koòdonatè a Title VI MPO nan 508-583-1833 ext. 202.

French Creole

Si yon moun vle genyen enfòmasyon sa yo nan yon lòt lang, tanpri kontakte Kowòdinatè MPO Title VI la nan nimewo 508-583-1833, ekstansyon 202.

Russian

Если Вам необходима данная информация на любом другом языке, пожалуйста, свяжитесь с Координатором Титула VI в МРО по тел: 508-583-1833, добавочный 202.

French

Si vous avez besoin d'obtenir une copie de la présente dans une autre langue, veuillez contacter le coordinateur du Titre VI de MPO en composant le 508-583-1833, poste 202.

Italian

Se ha bisogno di ricevere queste informazioni in un'altra lingua si prega di contattare il coordinatore MPO del Titolo VI al 508- 583-1833 interno 202

Mon-Khmer, Cambodian

ប្រសិនបើលោក-អ្នកត្រូវការបកប្រែព័ត៌មាននេះ សូមទាក់ទងអ្នកសម្របសម្រួលជំពូកទី6 របស់ **MPO** តាមរយៈលេខទូរស័ព្ទ **508-583-1833** រួចភ្ជាប់ទៅលេខ **202**។

Arabic

إذا كنت بحاجة إلى هذه المعلومات بلغة أخرى، يُرجى الاتصال بمنسق الفقرة السادسة لمنظمة التخطيط الحضري على الهاتف: 508- 583-1833 و ثم اضغط الأرقام 202.

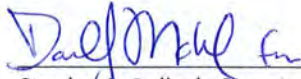
Updated April 2015

Old Colony Planning Council

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

**ENDORSEMENT OF
FFY 2016-2019 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
AMENDMENT 2**

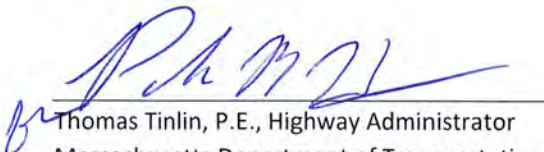
This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization, at their Old Colony MPO meeting on July 26, 2016, hereby approve and endorse the FFY 2016-2019 Old Colony Transportation Improvement Program (TIP) Amendment 2 in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.


Stephanie Pollack, Secretary and CEO
Massachusetts Department of Transportation

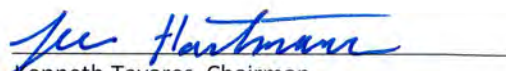
Date

The Honorable Bill Carpenter, Mayor
City of Brockton

Date


Thomas Tinlin, P.E., Highway Administrator
Massachusetts Department of Transportation


7/26/16
Date
for


Kenneth Tavares, Chairman
Plymouth, Board of Selectmen

7/26/16
Date

For RGL: 
Reinald G. Ledoux, Jr., Administrator
Brockton Area Transit


7/26/16
Date


Eldon Moreira, Chairman
West Bridgewater, Board of selectmen

7/26/16
Date


Frank Staffier, President
Old Colony Planning Council

7-26-16
Date


Daniel Salvucci, Vice-Chairman
Whitman, Board of selectmen

7/26/16
Date

Ex-Officio Members

Noreen O'Toole, Chairperson
Old Colony Joint Transportation Committee (JTC)

Jeff McEwen, Massachusetts Division Administrator
Federal Highway Administration (FHWA)

Mary Beth Mello, Region 1 Administrator
Federal Transit Administration (FTA)

2016 Old Colony Transportation Improvement Program

06/25/2015 Draft Released

12/15/2015 TIP Amendment 1 Released

06/21/2016 TIP Amendment 2 Released

07/28/2015 Endorsed

01/19/2016 TIP Amendment 1 Endorsed

07/26/2016 TIP Amendment 2 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1A / Federal Aid Target Projects										
► HSIP - Highway Safety Improvement Program										
AMENDMENT:Remove Funding Source	608085	Old Colony	Avon	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	5	HSIP	\$ -	\$ -	\$ -	Increase Total Cost from \$460,000 to \$2,305,120; Total Cost = \$1,963,420 Section 1A STP + \$341,700 Section 1D STP; Change Funding from HSIP to STP; PS&E Design; TEC Score is 2.15; Phase is Construction
AMENDMENT:Add Funding Source	606036	Old Colony	Brockton	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE	5	HSIP	\$ 460,000	\$ 414,000	\$ 46,000	Increase Total Cost from \$3,541,396 to \$4,646,985; Total Cost = \$460,000 Section 1A HSIP + \$3,081,396 Section 1A CMAQ + \$98,964 Section 1D HSIP; \$1,006,625 Section 1D CMAQ; 100% Design; TEC Score is 8.10; Phase is Construction
HSIP Subtotal ▶							\$ 460,000	\$ 414,000	\$ 46,000	◀ 90% Federal + 10% Non-Federal

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

AMENDMENT:Decrease Cost,AMENDMENT:Change Additional Information	606036	Old Colony	Brockton	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE	5	CMAQ	\$ 3,081,396	\$ 2,465,117	\$ 616,279	Increase Total Cost from \$3,541,396 to \$4,646,985; Total Cost = \$460,000 Section 1A HSIP + \$3,081,396 Section 1A CMAQ + \$98,964 Section 1D HSIP; \$1,006,625 Section 1D CMAQ; 100% Design; TEC Score is 8.10; Phase is Construction
CMAQ Subtotal ▶							\$ 3,081,396	\$ 2,465,117	\$ 616,279	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

				No Projects Programmed			\$ -	\$ -	\$ -	
TAP Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Non-CMAQ/HSIP/TAP (Other)

AMENDMENT:Increase Cost,AMENDMENT:Change Additional Information	608085	Old Colony	Avon	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	5	STP	\$ 1,963,420	\$ 1,767,078	\$ 196,342	Increase Total Cost from \$460,000 to \$2,305,120; Total Cost = \$1,963,420 Section 1A STP + \$341,700 Section 1D STP; Change Funding from HSIP to STP; PS&E Design; TEC Score is 2.15; Phase is Construction
	604957	Old Colony	Pembroke	PEMBROKE - RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO ROUTE 53 AC PHASE 2 OF 2	5	STP	\$ 2,455,008	\$ 1,964,007	\$ 491,002	YOE is \$2,455,008; Total Project cost is \$9,187,877; PS&E Design; TEC Score is 7.00; Phase is Construction
Non-CMAQ/HSIP/TAP (Other) Subtotal ▶							\$ 4,418,428	\$ 3,731,085	\$ 687,344	◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ▶	\$ 7,959,824	\$ 7,959,824	◀ Total Target	\$ (0)	Funds Over Programmed
Total Non-CMAQ/HSIP/TAP (Other) Programmed ▶	\$ 4,418,428	\$ 5,478,993	◀ Max. Non-CMAQ/HSIP/TAP	\$ (0)	Non-CMAQ/HSIP/TAP (Other) E
Total HSIP Programmed ▶	\$ 460,000	\$ 455,954	◀ Min. HSIP	\$ (4,046)	HSIP Minimum Met
Total CMAQ Programmed ▶	\$ 3,081,396	\$ 1,424,858	◀ Min. CMAQ	\$ (1,656,538)	CMAQ Minimum Met
Total TAP Programmed ▶	\$ -	\$ 600,019	◀ Min. TAP	\$ 600,019	TAP Minimum Not Met
HSIP, CMAQ, TAP Overprogrammed	\$ (1,060,565)				

► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

				No Projects Programmed			\$ -	\$ -	\$ -	
► On System										
				No Projects Programmed			\$ -	\$ -	\$ -	
On System Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Off-System										
				No Projects Programmed			\$ -	\$ -	\$ -	
Off-System Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Bridge Inspection Program

				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide Bridge Inspection Program Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Section 1C / Federal Aid Non-Target Projects										
▶ Other Federal Aid										
				No Projects Programmed			\$ -	\$ -	\$ -	
Other Federal Aid Subtotal ▶							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Section 1D / Federal Aid Major & State Category Projects										
▶ Statewide Infrastructure Program										
AMENDMENT:Add Funding Source	608085	Old Colony	Avon	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD		STP	\$ 341,700	\$ 273,360	\$ 68,340	Increase Total Cost from \$460,000 to \$2,305,120; Total Cost = \$1,963,420 Section 1A STP + \$341,700 Section 1D STP; Change Funding from HSIP to STP; PS&E Design; TEC Score is 2.15; Phase is Construction
Statewide Infrastructure Program Subtotal ▶							\$ 341,700	\$ 273,360	\$ 68,340	◀ 80% Federal + 20% Non-Federal
▶ Statewide HSIP Program										
	606036	Old Colony	Brockton	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET/LINWOOD STREET/ LORRAINE AVENUE	5	HSIP	\$ 98,964	\$ 89,068	\$ 9,896	Increase Total Cost from \$3,541,396 to \$4,646,985; Total Cost = \$460,000 Section 1A HSIP + \$3,081,396 Section 1A CMAQ + \$98,964 Section 1D HSIP; \$1,006,625 Section 1D CMAQ; 100% Design; TEC Score is 8.10; Phase is Construction
Statewide HSIP Program Subtotal ▶							\$ 98,964	\$ 89,068	\$ 9,896	◀ 90% Federal + 10% Non-Federal
▶ Statewide Safe Routes to Schools Program										
				No Projects Programmed			\$ -	\$ -	\$ -	Funding Split Varies by Funding Source
Statewide Safe Routes to Schools Program Subtotal ▶							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Statewide CMAQ										
AMENDMENT:Add Funding Source	606036	Old Colony	Brockton	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET/LINWOOD STREET/ LORRAINE AVENUE		CMAQ	\$ 1,006,625	\$ 805,300	\$ 201,325	Increase Total Cost from \$3,541,396 to \$4,646,985; Total Cost = \$460,000 Section 1A HSIP + \$3,081,396 Section 1A CMAQ + \$98,964 Section 1D HSIP; \$1,006,625 Section 1D CMAQ; 100% Design; TEC Score is 8.10; Phase is Construction
Statewide CMAQ ▶							\$ 1,006,625	\$ 805,300	\$ 201,325	◀ 80% Federal + 20% Non-Federal
▶ Statewide Transportation Enhancements										
				No Projects Programmed			\$ -	\$ -	\$ -	Funding Split Varies by Funding Source
Statewide Transportation Enhancements Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Statewide ITS										
				No Projects Programmed			\$ -	\$ -	\$ -	Funding Split Varies by Funding Source
Statewide ITS Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Statewide Interstate Maintenance Program										
				No Projects Programmed			\$ -	\$ -	\$ -	Funding Split Varies by Funding Source
Statewide Interstate Maintenance Program Subtotal ▶							\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
▶ Statewide NHS Preservation Program+										
	607175	Old Colony	Plymouth	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	\$ 14,252,040	11,401,632.0	2,850,408.0	\$14,552,040 Total Cost = \$14,252,040 NHS + 300k Stormwater; Phase is Construction
Statewide NHS Preservation Program Subtotal ▶							\$ 14,252,040	\$ 11,401,632	\$ 2,850,408	◀ 80% Federal + 20% Non-Federal
▶ Statewide RR Grade Crossings										
				No Projects Programmed			\$ -	\$ -	\$ -	Funding Split Varies by Funding Source
Statewide RR Grade Crossings Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Statewide Stormwater Retrofits										
	607175	Old Colony	Plymouth	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	STP-TE	\$ 300,000	240,000.0	60,000.0	\$14,552,040 Total Cost = \$14,252,040 NHS + 300k Stormwater; Phase is Construction
Statewide Stormwater Retrofits Subtotal ▶							\$ 300,000	\$ 240,000	\$ 60,000	◀ 80% Federal + 20% Non-Federal
▶ Statewide ADA Implementation Plan										
				No Projects Programmed			\$ -	\$ -	\$ -	Funding Split Varies by Funding Source
Statewide ADA Implementation Plan Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Other Statewide Items										
				ABP GANS Repayment Award Adjustments, Change Orders, Project Value Changes, Etc.			\$ -	\$ -	\$ -	

			DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs		\$	-	-	-	
			Planning		\$	-	-	-	
			Statewide Design and Right of Way		\$	-	-	-	
			Statewide Recreational Trails		\$	-	-	-	
Other Statewide Items Subtotal ▶					\$	-	\$	-	◀ Funding Split Varies by Funding Source

▶ **Section 2A / Non-Federal Projects**

▶ **Non Federal Aid**

			No Projects		NFA	\$	-	\$	-
Non-Federal Aid Subtotal ▶					\$	-	\$	-	◀ 100% Non-Federal

▶ **Section 2B / Non-Federal Bridge Projects**

▶ **Section 2B / Non-Federal Bridge Projects**

			No Projects		NFA	\$	-	\$	-
Section 2B / Non-Federal Bridge Projects Subtotal ▶					\$	-	\$	-	◀ 100% Non-Federal

2016 OLD COLONY TIP Summary TIP Section 1: ▼ TIP Section 2: ▼

		Total of All Projects	
Total ▶	\$	23,959,153	\$ -
Federal Funds ▶	\$	19,419,561	\$ 19,419,561
Non-Federal Funds ▶	\$	4,539,592	\$ 4,539,592

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: <http://www.massdot.state.ma.us/Highway/flaggers/main.aspx>

Transportation Improvement Program (TIP)

Project List (FY2016)

06/25/2015 TIP Released
07/28/2015 TIP Endorsed

12/15/2015 TIP Amendment 1 Released
01/19/2016 TIP Amendment 1 Endorsed

01/19/2016 TIP Adjustment 1 Approved
06/21/2016 TIP Adjustment 2 Approved

06/21/2016 TIP Amendment 2 Released
07/26/2016 TIP Amendment 2 Endorsed

Adjustments/ Amendments	FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307											
Amendment 1: Add Project	5307	RTD0003535	Brockton Area Transit Authority	300900	Operating/PM/ADA		\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000
Amendment 1: Add Project	5307	RTD0005213	Brockton Area Transit Authority	111201	BUY REPLACEMENT 40-FT BUS (4) (Match in FY17)	2014 - \$285,881; 2015 - \$106,119	\$392,000	\$0	\$0	\$0	\$392,000
Adjustment 2: Add Project	5307	RTD0005214	Brockton Area Transit Authority	111202	BUY REPLACEMENT 35-FT BUS (4) (Match in FY17)		\$400,000	\$0	\$0	\$0	\$400,000
Adjustment 2: Add Project	5307	RTD0005400	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS Match in FY17		\$96,000	\$0	\$0	\$0	\$96,000
Adjustment 2: Add Project	5307	RTD0005401	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES Match in FY17		\$28,000	\$0	\$0	\$0	\$28,000
Adjustment 2: Add Project	5307	RTD0005402	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT Match in FY17		\$60,000	\$0	\$0	\$0	\$60,000
Adjustment 2: Add Project	5307	RTD0005403	Brockton Area Transit Authority	114305	CONSTRUCT - YARDS AND SHOPS Match in FY17		\$200,000	\$0	\$0	\$0	\$200,000
Adjustment 2: Add Project	5307	RTD0005404	Brockton Area Transit Authority	111700	VEH OVERHAUL (UP TO 20% VEH MAINT) Match in FY17		\$160,000	\$0	\$0	\$0	\$160,000
Adjustment 2: Add Project	5307	RTD0005405	Brockton Area Transit Authority	114210	ACQUIRE - MOBILE FARE COLL EQUIP Match in FY17		\$20,000	\$0	\$0	\$0	\$20,000
Adjustment 2: Add Project	5307	RTD0005406	Brockton Area Transit Authority	114400	REHAB/RENOVATE BUS SUPPORT FACIL/EQUIP Match in FY17		\$80,000	\$0	\$0	\$0	\$80,000
Adjustment 2: Add Project	5307	RTD0005407	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT Match in FY17		\$16,000	\$0	\$0	\$0	\$16,000
Subtotal							\$3,452,000	\$2,000,000	\$0	\$0	\$5,452,000
5309											
Subtotal							\$0	\$0	\$0	\$0	\$0
5310											
Amendment 2: Add Project	5310		Brockton Area Transit Authority		BUY REPLACEMENT BUS (8)		\$419,637	\$106,305			\$525,942
Amendment 2: Add Project	5310		Old Colony Planning Council		OPERATING ASSISTANCE FOR VOLUNTEER TRANSPORTATION PROGRAM		\$30,496				\$30,496
Amendment 2: Add Project	5310		South Shore Community Action Council		PROGRAM OPERATING ASSISTANCE		\$30,000				\$30,000
Amendment 2: Add Project	5310		South Shore Community Action Council		BUY REPLACEMENT VAN (7)		\$348,390				\$348,390
Amendment 2: Add Project	5310		South Shore Community Action Council		PILOT OPERATING ASSISTANCE		\$79,571				\$79,571
Subtotal							\$908,094	\$106,305	\$0	\$0	\$1,014,399
5311											
Subtotal							\$0	\$0	\$0	\$0	\$0
5337											
Subtotal							\$0	\$0	\$0	\$0	\$0
5339											
Subtotal							\$0	\$0	\$0	\$0	\$0
5320											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Non-Federal											
Other Non-Federal		RTD0003512	Brockton Area Transit Authority	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)		\$0	\$30,000	\$0	\$0	\$30,000
Other Non-Federal		RTD0003513	Brockton Area Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT (Match for FY15)		\$0	\$6,000	\$0	\$0	\$6,000
Other Non-Federal		RTD0003514	Brockton Area Transit Authority	111700	VEH OVERHAUL (UP TO 20% VEH MNT) (Match for FY15)		\$0	\$120,000	\$0	\$0	\$120,000
Other Non-Federal		RTD0003516	Brockton Area Transit Authority	111240	BUY ASSOC CAP MAINT ITEMS (Match for FY15)		\$0	\$20,000	\$0	\$0	\$20,000
Other Non-Federal		RTD0003752	Brockton Area Transit Authority	116202	PURCHASE COMMUNICATIONS SYSTEM (Match for FY15)		\$0	\$16,000	\$0	\$0	\$16,000
Other Non-Federal		RTD0003515	Brockton Area Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES (1) (Match for FY15)		\$0	\$7,600	\$0	\$0	\$7,600
Other Non-Federal		RTD0003921	Brockton Area Transit Authority	114100	ENG & DES - BUS FUEL FAC (Match for FY15)		\$0	\$5,000	\$0	\$0	\$5,000
Subtotal							\$0	\$204,600	\$0	\$0	\$204,600
Total							\$4,360,094	\$2,310,905	\$0	\$0	\$6,670,999

Funds listed under the Carry Over column are included in the Federal Amount