

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)
FFY 2022-2026

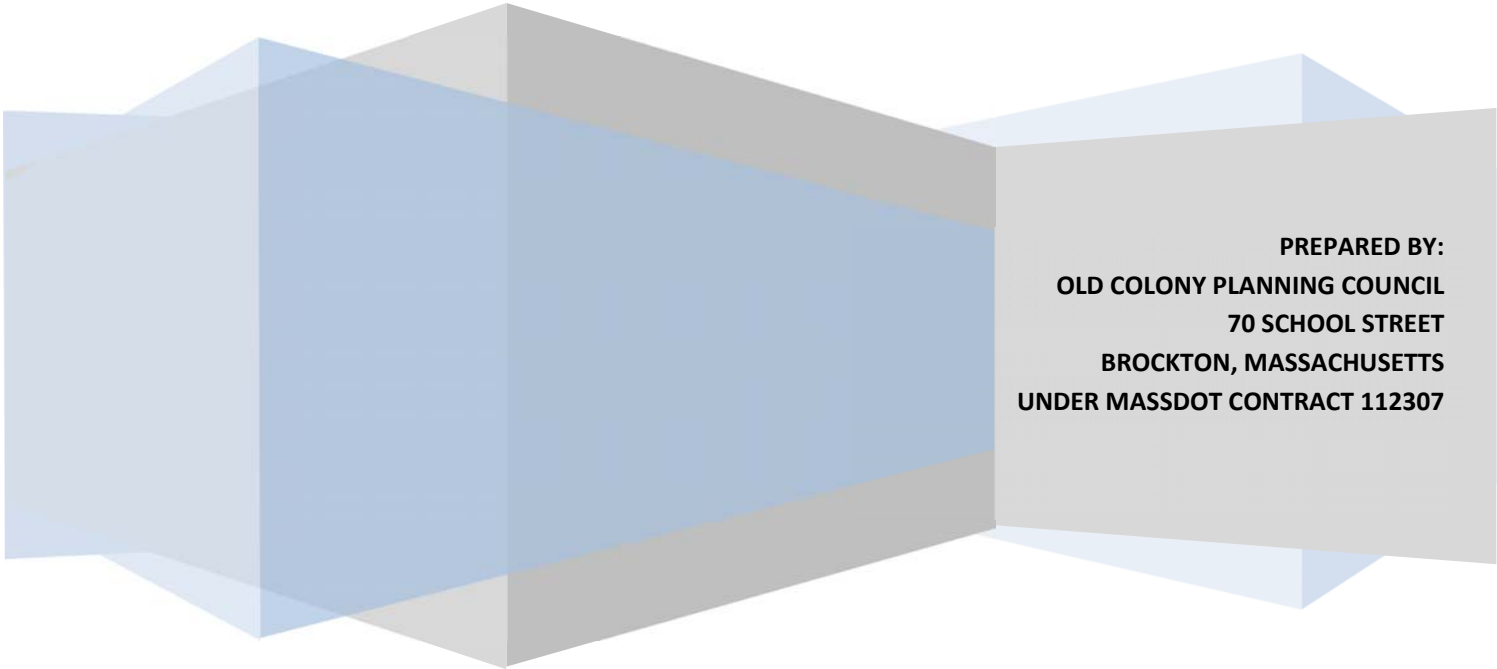
**OLD COLONY
TRANSPORTATION
IMPROVEMENT
PROGRAM
(TIP)**

ENDORSED BY THE OLD COLONY MPO ON MAY 18, 2021

- AS AMENDED MAY 17, 2022
- AS ADJUSTED JUNE 21, 2022
- AS ADJUSTED JULY 19, 2022
- AS AMENDED JULY 19, 2022

PREPARED IN COOPERATION WITH:

- BROCKTON AREA TRANSIT AUTHORITY (BAT)
- FEDERAL HIGHWAY ADMINISTRATION (FHWA)
- FEDERAL TRANSIT ADMINISTRATION (FTA)
- MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)
- OLD COLONY PLANNING COUNCIL (OCPC)



PREPARED BY:
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UNDER MASSDOT CONTRACT 112307

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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: <https://www.mass.gov/road-flaggers-and-police-detail>

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Title VI/ Nondiscrimination Coordinator
Mary Waldron
70 School Street
Brockton, MA 02301
508-583-1833 Extension 202
mwaldron@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
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Chinese Simple

如果需要使用其它□ □ □ □ □ □ , □ □ □ Old Colony大都会□ □ □ □ (MPO) 《民□ □ □ 》
□ □ □ □ □ □ , □ □ 508- 583-1833, □ 202。

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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。

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Arabic

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Updated December 2019
Old Colony Planning Council

1. INTRODUCTION

The Old Colony Metropolitan Planning Organization (Old Colony MPO) is the regional governing body established by federal law to oversee regional transportation planning and recommend the distribution of transportation funds locally. This includes the responsibilities for conducting an inclusionary “3C” planning process (continuous, cooperative, and comprehensive) for transportation planning in the 17 communities of the region for all modes of travel, including roadways and highways, public transportation, bicycles, pedestrians, connections to air, ferry, and railroads. The Old Colony MPO is responsible for endorsing several Federal certification documents that include the Long-Range Transportation Plan (LRTP), the Transportation Improvement Program (TIP), and the Unified Planning Work Program (UPWP).

The transportation planning area covered by the MPO includes the 17 communities of the Old Colony Region: Abington, Avon, Bridgewater, Brockton, Duxbury, East Bridgewater, Easton, Halifax, Hanover, Hanson, Kingston, Pembroke, Plymouth, Plympton, Stoughton, West Bridgewater, and Whitman, and the Brockton Area Transit Authority (BAT).

The Old Colony MPO consists of eleven (11) members. The following eight (8) members are voting members: MassDOT; MassDOT Highway Division; Brockton Area Transit Authority (BAT); Old Colony Planning Council (OCPC); City of Brockton; Town of Plymouth; A Community with a population greater than 14,000; and a community with a population less than 14,000. The following three (3) members: Old Colony Joint Transportation Committee (JTC) Chairperson, Federal Highway Administration (FHWA), and Federal Transit Administration (FTA) are ex-officio, non-voting members of the Old Colony MPO.

The Old Colony MPO has established a committee of technical professionals known as the Old Colony Joint Transportation Advisory Committee (JTC) to serve as the transportation advisory group to the MPO. The JTC Members consist of representatives of the seventeen communities of the Old Colony Region: Abington, Avon, Bridgewater, Brockton, Duxbury, East Bridgewater, Easton, Halifax, Hanover, Hanson, Kingston, Pembroke, Plymouth, Plympton, Stoughton, West Bridgewater, and, Whitman, and the Brockton Area Transit Authority. These representatives are appointed by the chief elected officials of each community in the region.

1.1 Development of the Transportation Improvement Program

The Old Colony MPO prepares the Transportation Improvement Program (TIP), which is a staging of transportation projects proposed for implementation during federal fiscal years 2022, 2023, 2024, 2025 and 2026. Projects listed in the TIP include those in the Long-Range Element and Short-Range Element of the Old Colony Long Range Transportation Plan (LRTP). The TIP describes the project, provides its projected costs and associated funding sources.

The Old Colony MPO works cooperatively with the communities of the Old Colony Region, Brockton Area Transit (BAT), Massachusetts Department of Transportation (MassDOT) Office of Transportation Planning, Massachusetts Department of Transportation Rail & Transit Division, and Massachusetts Department of Transportation District 5. Projects are selected from the previous TIP, from proposals made by local officials, by members of the Old Colony Joint Transportation Committee (JTC), the Massachusetts Department of Transportation, Brockton Area Transit Authority, and/or the MPO staff itself based on the Long-Range Transportation Plan. Information and data concerning current projects are obtained from MassDOT, Brockton Area Transit Authority, and/or the community responsible for the design of the project. An annual solicitation for projects commences typically in January.

During TIP development, current and proposed projects are evaluated using Transportation Evaluation Criteria (TEC), and recommended to the Old Colony MPO for consideration and determination of a Preferred Set of Projects. 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 MPO staff uses the transportation 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 releases the Draft TIP for a 21-Day Public Review and Comment Period. Following the 21-Day Public Review and Comment Period, the Old Colony MPO considers the comments received, and then endorses the TIP if there are no significant changes.

1.2 FAST Act, National Planning Factors, and Performance Based Planning

The Fixing America's Surface Transportation (FAST) Act legislation requires MPOs to implement a continuing, cooperative, and comprehensive performance-based multimodal transportation planning process. To meet this requirement, the Old Colony MPO develops the Long Range Transportation Plan and Transportation Improvement Program that facilitate the safe and efficient movement of safe and efficient management, operation, and development of surface transportation systems that will serve the mobility needs of people and freight (including accessible pedestrian walkways, bicycle transportation facilities, and intermodal facilities that support intercity transportation, including intercity bus facilities and commuter van pool providers) and that fosters economic growth and development within and between States and urbanized areas, and take into consideration resiliency needs while minimizing transportation-related fuel consumption and air pollution in all areas of the region.

The FAST Act continues to emphasize performance-based planning as an integral part of the metropolitan planning process: states are to develop performance goals, guided by the national goals, and then MPOs will work with state departments of transportation to develop MPO performance measures and targets, or adopt the statewide performance measures and targets. The TIP integrates MassDOT's and the MPO's performance measures and link transportation-investment decisions to progress toward achieving performance targets. The MPOs, MassDOT, and providers of public transportation jointly agree and have developed specific written provisions for cooperatively developing and sharing information related to transportation performance data, the selection of performance targets, the reporting of performance targets, the reporting of performance to be used in tracking progress towards attainment of critical outcomes for the MPO regions and the collection of data for the MassDOT Asset Management Plan.

One desired outcome of performance-based planning is constant quality improvement in project selection and delivery with respect to meeting national goals. If a particular project did not help the plan meet its stated goals, or was more effective than originally thought, that information can inform future decision-making. Done properly, performance-based planning not only improves project selection and prioritization, it also can make a compelling case for the Old Colony MPO's LRTP and why the communities and providers of public transit are invested in its outcome.

The Old Colony MPO develops the TIP with due consideration of additional planning activities within the metropolitan area and utilizes a process that provides for the design and delivery of transportation services within the metropolitan planning area. During the development of the LRTP, region specific targets were developed through meetings of a sub-committee and then presented and reviewed by the Old Colony JTC and Old Colony MPO.

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The TIP is designed such that once implemented, it makes progress toward achieving the performance targets. Performance-based planning attempts to make the transportation investment decision-making process both informed and accountable. Projects and services implemented through the TIP will help to achieve the performance targets for Safety (PM1), Bridge and Pavement Condition (PM2), System Performance Measures (PM3), Transit Asset Management (TAM) State of Good Repair (SGR), and Public Transit Agency Safety Plan (PTASP).

Safety Performance Measures and Targets (PM1)

Safety Goals: Achieve a significant reduction in traffic fatalities and serious injuries on all public roads; increase the safety of the transportation system for motorized and non-motorized users; ensure that the transportation system and its users are safe and secure; and review safety data, goals, objectives, and strategies to promote safety.

The Strategic Highway Safety Plan is incorporated into the Long-Range Transportation Plan. The Old Colony MPO applies specific criteria in the review of transportation strategies. These criteria are applied to estimated changes in safety. The primary goal of the LRTP is focused on safety and security: “Enhance Safety and Security.” Safety is of such importance that it is recognized in its own chapter of the LRTP. Also included in the LRTP are the following goals: Increase the security of the transportation system for motorized and non-motorized users; examine both transit and highways networks and develop appropriate goals and strategies; review current plans for emergency planning and security elements; identify critical facilities and transportation systems; and define the roles of the various players in promoting security. One area of additional security planning that applies is that of traffic impacts due to extreme weather events such as impending hurricanes, and climate changes.

The Old Colony MPO has chosen to adopt the statewide safety performance measure targets set by MassDOT for Calendar Year (CY) 2021. In setting these targets, MassDOT has followed FHWA guidelines by using statewide crash data and Highway Performance Monitoring System (HPMS) data for vehicle miles traveled (VMT) to calculate 5 year, rolling average trend lines for all FHWA-defined safety measures. For CY 2020 targets, four of the five safety measures - total number of fatalities, rate of fatalities per 100 million vehicle miles traveled, total number of incapacitating injuries, and rate of incapacitating injuries per 100 million VMT - were established by extending their trend lines into the 2016-2020 period. All four of these measures reflect a modest decrease in statewide trends. The fifth safety measure, the total number of combined incapacitating injuries and fatalities for non-motorized modes, is the only safety measure for which the statewide trend line depicts an increase. MassDOT’s effort to increase non-motorized mode share throughout the Commonwealth has posed a challenge to simultaneously reducing non-motorized injuries and fatalities. Rather than adopt a target that depicts an increase in the trend line, MassDOT has elected to establish a target of non-motorized fatalities and injuries and for CY 2021 that remains constant from the rolling average for 2012–2016. In recent years, MassDOT and the Old Colony MPO have invested in “complete streets,” bicycle and pedestrian infrastructure, intersection, and safety improvements in both the Capital Investment Plan (CIP) and Statewide Transportation Improvement Program (STIP) to address increasing mode share and to incorporate safety mitigation elements into projects. Moving forward, the Old Colony MPO, alongside MassDOT, is actively seeking to improve data collection and methodology for bicycle and pedestrian VMT counts and to continue analyzing crash clusters and crash counts that include both motorized and non-motorized modes to address safety issues at these locations.

In all safety categories, MassDOT has established a long-term target of “Toward Zero Deaths” through

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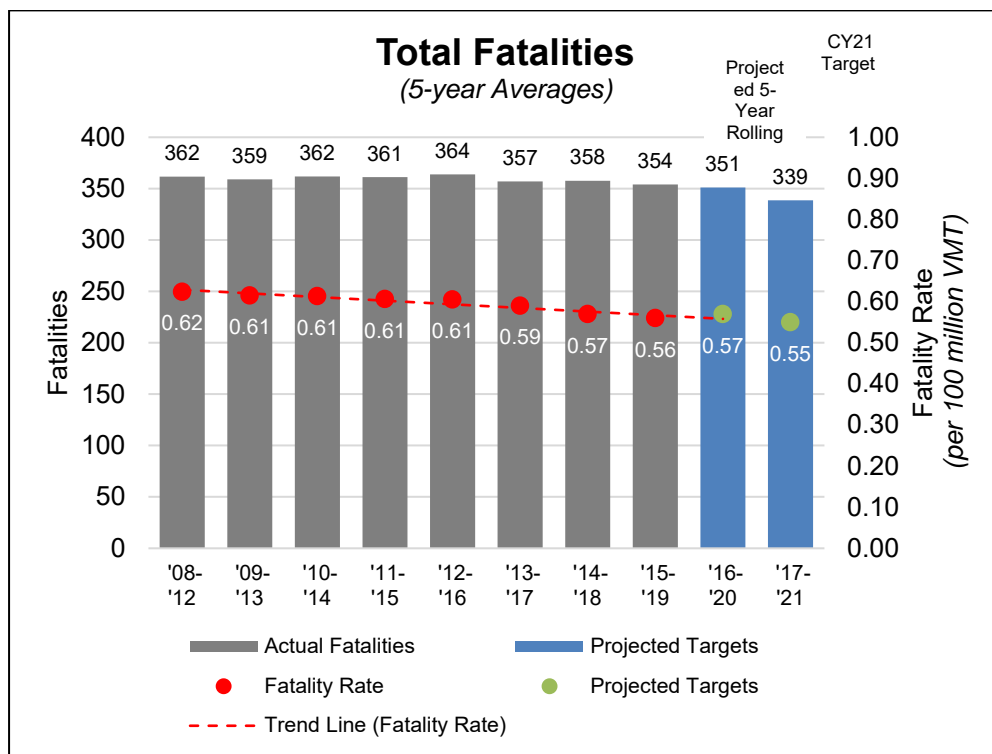
MassDOT’s Performance Measures Tracker¹ and will be establishing safety targets for the MPO to consider for adoption each calendar year. While the MPO is not required by FHWA to report on annual safety performance targets, FHWA guidelines require MPOs to adopt MassDOT’s annual targets or to establish their own each year.

The safety measures MassDOT has established for CY 2021, and that the Old Colony MPO has adopted, are as follows:

Total Fatalities: Per guidance from the Federal Highway Administration (FHWA), MassDOT’s 2021 safety target setting process began with a trend line projection based on the most recent available data (up to 2018). The calendar year (CY) 2021 target of 339 was set to reflect an anticipated decrease in fatalities due to joint initiatives across MassDOT related to sustainable transportation; commitment to several FHWA Every Day Counts (EDC) initiatives (e.g., reducing rural roadway departures); and strategies and legislative proposals that were part of the 2018 Strategic Highway Safety Plan (SHSP), such as the primary seat belt and hands-free driving laws. The region number of fatalities continued its downward trend and decreased to 26 in 2019.

Fatality Rate: The CY 2021 target of 0.55 fatalities per 100 million vehicle miles traveled (VMT) reflects an overall reduction from previous years. It should be noted that MassDOT’s long-term goal is to move towards zero deaths.

Figure 1
Total Fatalities and Fatality Rate

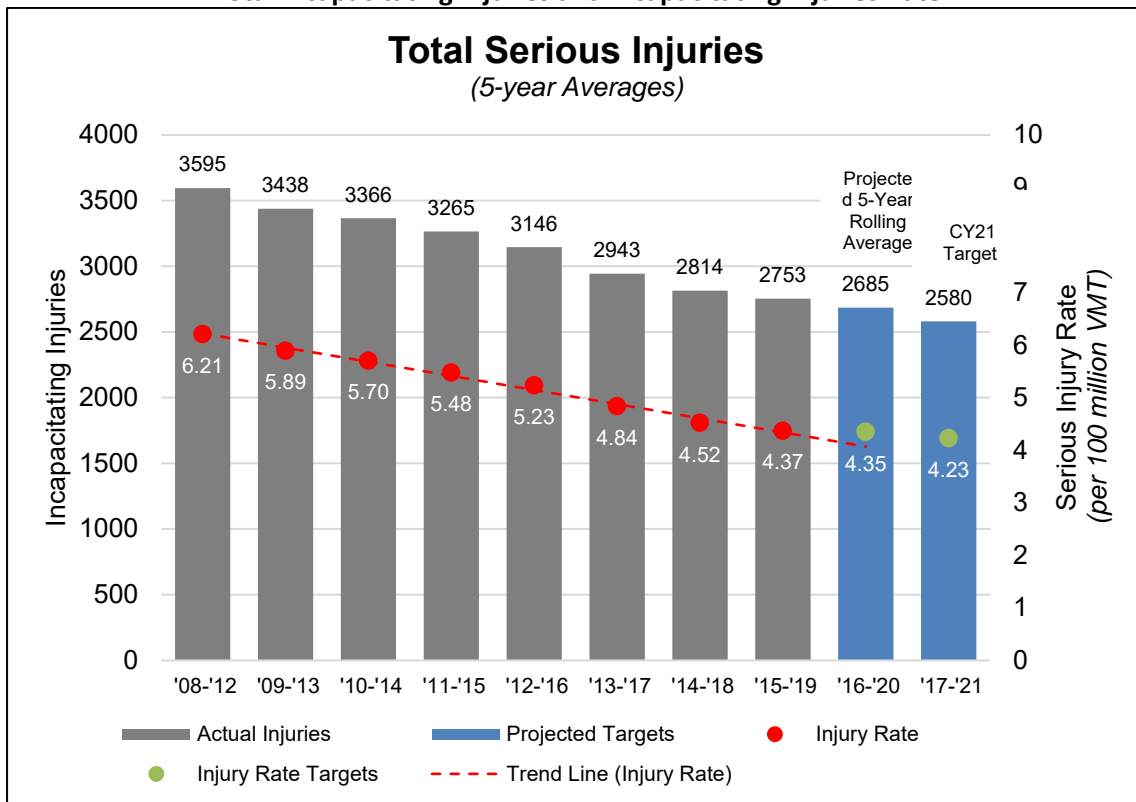


¹ <https://www.mass.gov/lists/tracker-annual-performance-management-reports>

Total Serious Injuries: It is anticipated that there will be an overall decrease in the number of serious injuries due to a continual downward trend line as well as the implementation of countermeasures that are being developed as part of the 2018 Strategic Highway Safety Plan (SHSP). The CY 2021 target of 2,580 was set to reflect this trend. The trend for the region is decreasing as well at 232 serious injuries in 2019. For this performance measure, it is important to note that on January 1st, 2019, Massachusetts moved from the term “incapacitating injuries” to “serious injuries,” per federal requirements.

Serious Injuries Rate: Similar to the fatality rate, it is anticipated that the downward trend line will result in a drop in the rate of serious injuries from 4.35 per 100 million VMT between 2016-2020 to 4.23 between 2017-2021.

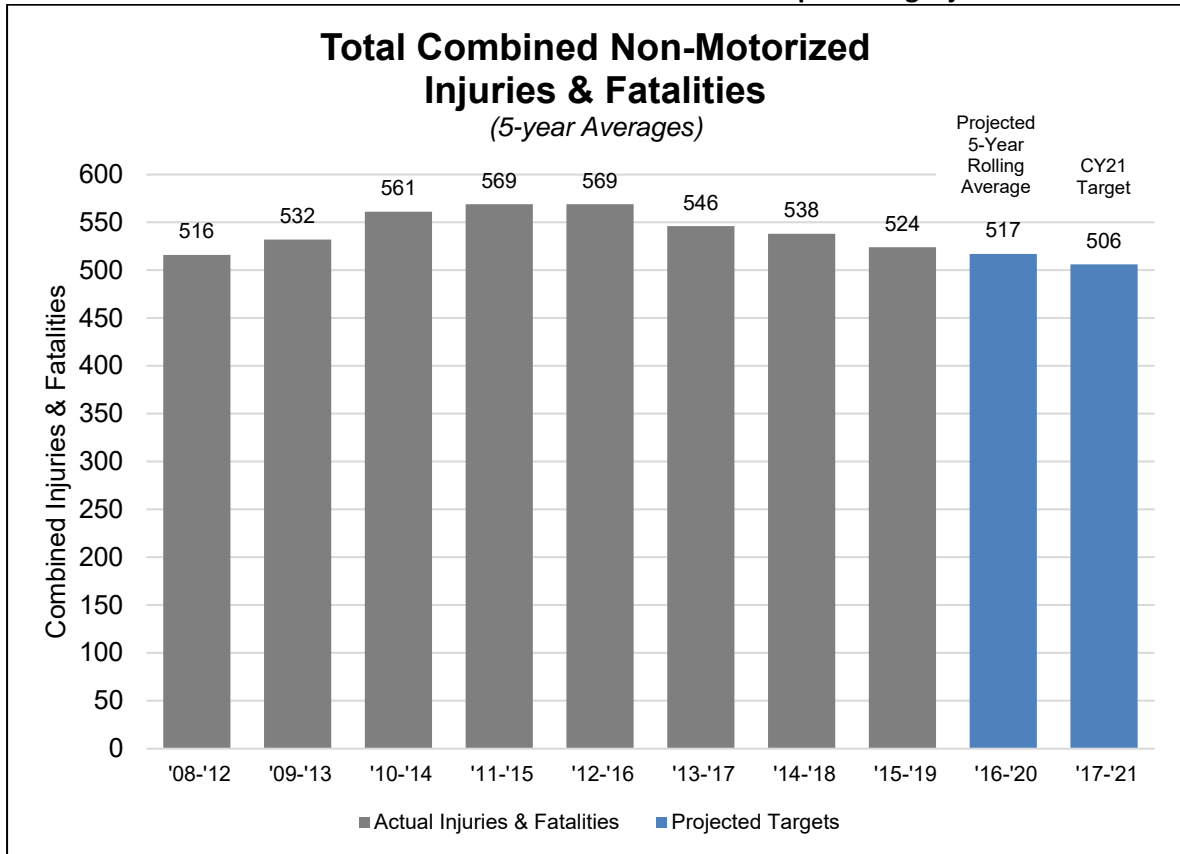
Figure 2
Total Incapacitating Injuries and Incapacitating Injuries Rate



Total Number of Non-Motorized Fatalities and Serious Injuries: The most recent data for non-motorized fatalities and serious injuries indicates that the previously increasing trend decreased in 2017 and has continued to decrease since then. The region has decreased as well at 28 in 2019. The CY 2021 target has been set to reflect continued projected reductions in non-motorized fatalities and injuries due to several multi-disciplinary and multi-agency implementation strategies contained within the Statewide Bike Plan, Statewide Pedestrian Plan, and Strategic Highway Safety Plan.

It is important to note that in prior years, only bicyclist and pedestrian data were used to calculate this target. More recently, it was determined that this category would include other non-motorists. In addition to bicyclists and pedestrians, this category includes skaters and users of wheelchairs and other mobility devices. The historical data within the graph below includes these additional users.

Figure 3
Total Number of Non-Motorized Fatalities and Incapacitating Injuries



The Old Colony MPO will continue to assist MassDOT in striving towards these targets through our project prioritization process and with our evaluation criteria. This criterion, that awards a higher score for safety improvements projects, will result in a measurable reduction in injuries and fatalities. The likely projected decrease from the CY 2020 target is due to several implementation strategies from the Statewide Bike Plan, Statewide Pedestrian Plan, and Strategic Highway Safety Plan. In recent years, MassDOT and the MPO have invested in “Complete Streets,” bicycle and pedestrian infrastructure, intersection, and safety improvements in both the Capital Investment Plan (CIP) and Statewide Transportation Improvement Program (STIP) to address an increasing mode share and to incorporate safety mitigation elements into projects.

Additional Safety Performance Measures and Targets:

- Reduce the number and rates of fatalities and serious injuries.
 - Target: Conduct Road Safety Audits for a minimum of three high crash locations (MassDOT Top 5% Crash Clusters) per year, including minimum of 1 pedestrian/ walkability audit and one bicycle audit per year. In 2020, four locations were analyzed through Road Safety Audits.
 - Target: Utilize HSIP fund for applicable projects each year and seek to program Statewide HSIP funds when available/ feasible for priority safety related projects. Total of \$2,135,071 Statewide HSIP Funds included in FFY 2023.
- Provide and maintain safe fixed route service (e.g., Preventable Accidents per 100K miles).
 - Target: Maintain fixed route service preventable accidents/ 100k miles below 2.0 (FY 2021 is 1.19 from BAT Performance Dashboard).

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- Provide and maintain safe demand response service (Preventable accidents/ 100k miles).
 - Target: Maintain demand response service preventable accidents/ 100k miles below 2.0 (FY 2021 is 0.13) (from BAT Performance Dashboard).
- Protect the viability of transportation infrastructure to accommodate emergency response and evacuations.
- Protect transportation system users from safety and security threats.
- Increase number of Safe Routes to School Partner Schools.
 - Target: Increase percentage of SRTS Partner Schools to 85% in 10 years. Currently, 71% of eligible partner schools are partner schools.

System Preservation Performance (PM2)

Infrastructure Condition (Pavement, Bridge, and Transit) Goals: Maintain a highway and transit infrastructure asset systems in a state of good repair; and emphasize the preservation of the existing transportation system. As part of the LRTP development, the MPO utilizes a pavement management system to develop costs and recommended repair for operation, preservation, and maintenance of the federal aid network.

System preservation continues to be a priority for the Old Colony Region MPO because the region's transportation infrastructure is aging. It is also important to improve the resiliency of the region's transportation system to prepare for existing or future extreme conditions, such as sea level rise and flooding.

The Old Colony MPO has chosen to adopt the 2-year (2020) and 4-year (2022) statewide bridge and pavement performance measure targets set by MassDOT. MassDOT was required to adopt a statewide target by May 20, 2018, with MPOs either adopting the statewide target or establishing their own by November 2018. In setting these targets, MassDOT has followed FHWA guidelines by measuring bridges and pavement condition using the 9-point National Bridge Inventory Standards (NBIS); the International Roughness Index (IRI); the presence of pavement rutting; and the presence of pavement cracking. 2-year and 4-year targets were set for six individual performance measures: percent of bridges in good condition; percent of bridges in poor condition; percent of Interstate pavement in good condition; percent of Interstate pavement in poor condition; percent of non-Interstate pavement in good condition; and percent of non-Interstate pavement in poor condition. All the above performance measures are tracked in greater detail in MassDOT's Transportation Asset Management Plan (TAMP).

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

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

MassDOT continues to measure pavement quality and to set statewide short-term and long-term targets in the MassDOT Performance Management Tracker using the Pavement Serviceability Index (PSI), which differs from IRI. These measures and targets are used in conjunction with federal measures to inform program sizing and project selection. Table 1 provides the MassDOT Performance Measures and Targets

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for NHS Pavements, while Table 2 provides the MassDOT Performance Measures and Targets for NHS Bridges.

The Old Colony MPO will continue to assist MassDOT in striving towards these targets through our project prioritization process and with our evaluation criteria, which considers maintenance and infrastructure an important factor in the selection process.

**Table 1
MassDOT Performance Measures and Targets for NHS Pavements**

Interstate Pavement (FHWA Full Distress)			
Performance Measure	Current Condition (2017)	2-Year Target (2020)	4-Year Target (2022)
% Interstate Pavement in Good Condition	74.2%	70%	70%
% Interstate Pavement in Poor Condition	0.1%	4%	4%
Non-Interstate Pavement (FHWA IRI only)			
Performance Measure	Current Condition (2017)	2-Year Target (2020)	4-Year Target (2022)
% Non-Interstate Pavement in Good Condition	32.9%	30%	30%
% Non-Interstate Pavement in Poor Condition	31.4%	30%	30%

**Table 2
MassDOT Performance Measures and Targets for NHS Bridges**

Performance Measure	Current Condition (2017)	2-Year Target (2020)	4-Year Target (2022)
% Bridges in Good Condition	15.22%	15%	16%
% Bridges in Poor Condition	12.37%	13%	12%

MassDOT develops the Transportation Asset Management Plan (TAMP) to address pavement and bridge conditions on the National Highway System (NHS). The TAMP includes information on the NHS Inventory and Performance, Life Cycle Planning and Investment Strategy, Risk Management, and a Financial Plan.

Recipients of public transit funds, which can include states, local authorities, and public transportation operators, are required to establish performance targets for safety and state of good repair, develop transit asset management and transit safety plans, and to report on their progress toward achieving targets. Public transportation operators are directed to share information with MPOs and states so that all plans and performance reports are coordinated. The identified state of good repair performance measures for transit asset management regarding BAT include the following areas: equipment (Percentage

of vehicles that have met or exceeded their Useful Life Benchmark (ULB)); rolling stock (Percentage of revenue vehicles within a particular asset class that have met or exceeded their ULB); and facilities (Percentage of facilities within an asset class rated below 3.0 on the FTA Transit Economic Requirements Model scale).

Additional System Preservation Performance Measures and Targets:

- Provide and maintain fixed route and demand response state of good repair.
 - Target: Increase miles between breakdowns with passenger interruption on fixed route to 25,000 (goal) within 10 years (FY 2021 is 78,952) (from BAT Performance Dashboard).
 - Target: Increase miles between breakdowns with passenger interruption on demand response to 30,000 (goal) within 10 years (FY 2021 is 27,904) (from BAT Performance Dashboard).
- Improve bridge conditions.
 - Target: Maintain percentage of bridges categorized structurally deficient below 5%. Currently, four percent of the bridges are categorized as structurally deficient.
- Improve pavement conditions and state of good repair.
 - Target: Achieve 50% of federal-aid eligible roadways in the region with a PCI-based pavement ranking of Good or Excellent within 10 years. In 2016, the pavement management system determined that 36% of the federal-aid eligible roadways were categorized as either Good or Excellent.

Congestion Reduction Goals: Achieve a significant reduction in congestion on the NHS; and enhance the integration and mobility of the transportation system, across and between modes, for people and freight. The MPO applies specific criteria in the review of transportation strategies. These criteria are applied to improvements in multimodal accessibility. The LRTP supports these efforts through its goal: “Enhance and Protect Regional Mobility, and Foster Sustainable, Healthy, and Livable Communities.”

System Performance Measures (Congestion, Reliability, and Emissions) (PM3)

Through its goal and objectives for capacity management and mobility, the MPO seeks to maximize the region’s existing transportation system so that both people and goods can move reliably and connect to key destinations. Portions of the Old Colony Region are densely developed, which creates challenges to making major changes to its transportation infrastructure to address access, reliability, and congestion mitigation needs. To determine how well the region’s roadways are performing with respect to mobility, the MPO applies performance measures that gauge the duration, extent, intensity, and reliability (or regularity) of the occurrence of congestion.

**Table 3
MassDOT System Performance Measures and Targets
Congestion, Reliability, and Emissions**

Performance Measure	Current (2017)	2-Year Target (2020)	4-Year Target (2022)
Level of Travel Time Reliability (LOTR)	68% Interstate	68% Interstate	68% Interstate
	80% Non-Interstate	80% Non-Interstate	80% Non-Interstate
Truck Travel Time Reliability (TTTR)	1.85	1.85	1.85
Peak Hour Excessive Delay (PHED) (Boston UZA) (Annual hours per capita)	18.31	18.31	18.31
Non-SOV Travel	33.60% (2016)	34.82%	35.46%
Emissions Reductions	Baseline (FFY 2014-2017)	1,622 CO	TBD CO - Springfield
		497.9 Ozone	1.1 Ozone

The Old Colony MPO has chosen to adopt the 2-year (2020) and 4-year (2022) statewide system performance measure targets set by MassDOT. The Old Colony MPO will continue to assist MassDOT in striving towards these targets through our project prioritization process and with our evaluation criteria, which considers maintenance and infrastructure an important factor in the selection process.

Old Colony MPO staff analyzes congestion in the region using the Congestion Management Process (CMP). 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. 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. 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 most recent Transportation Planning Certification Review Report was issued in February 2020. The Transportation Planning Certification Review Report - February 2020 report is available for download [here](#).

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

- Traffic volume on a facility exceeds the available physical capacity of the facility - 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 by 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 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.

- 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 reduce physical capacity. Events also may cause changes in traffic demand by causing travelers to rethink or reroute their trips.

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:

- Congestion - 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 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 identifies 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 several community centers in the region including, Bridgewater Center (Central Square), Downtown Brockton, East Bridgewater Center, Stoughton Center, and West Bridgewater Center, that experience chronic congestion and circulation problems requiring ongoing efforts to improve traffic flow and access and reduce delays.

When making investments in the region’s transportation system, the Old Colony Region MPO seeks to invest in projects and programs that reduce greenhouse gases (GHGs) and other transportation related pollutants, and otherwise minimize negative environmental impacts. If climate change trends continue as projected, the conditions in the Old Colony Region will include a rise in sea level coupled with storm-induced flooding, and warmer temperatures that would affect the region’s infrastructure, economy, human health, and natural resources. Massachusetts is responding to this challenge by taking action to reduce the GHGs produced in the state, including those generated by the transportation sector. To that end, Massachusetts passed its Global Warming Solutions Act (GWSA), which requires reductions of GHGs by 2020, and further reductions by 2050, relative to 1990 baseline conditions. To meet GWSA requirements, the MPO works with MassDOT and other stakeholders to anticipate the GHG impacts of projects included in the TIP.

Additional System Performance Measures and Targets

- Promote Mode Shift by increasing use of transit, carpool/ vanpool, and non-motorized transportation modes such as bicycling and walking.
 - Target: Achieve 15% of commuters in the Old Colony region using healthy (those that reduce GHG and/or encourage physical activity) transportation modes such transit, walking, and

bicycling, etc.) within 10 years (10.5% of surveyed commuters in Old Colony Region were using transit, walking, or bicycling in the 2011 Massachusetts Travel Survey).

- Reduce traffic congestion and improve level of service and access management.
 - Target: Monitor congestion levels on federal-aid eligible highway network annually and highlight corridors with volume to capacity (v/c) ratios of 0.8 or greater for targeted study and/or improvements.
- Maintain and improve transit system efficiency and capacity.
 - Target: Achieve average on-time ranking on fixed-route system of 98% by 2040 (from BAT Performance Dashboard). FY 2021 actual on-time performance is 99.91%.
- Increase automobile and bicycle parking capacity and usage at transit stations and commuter lots.
- Eliminate bottlenecks on limited access highways and on the freight network.
- Improve and expand human service coordination, mobility, and accessibility for all modes.
- Reduce number and size of gaps in the ADA accessible sidewalk network.
- Increase use of traffic signal priority (hold current green light) for transit vehicles and traffic signal pre-emption for emergency vehicles (override programmed phasing to provide approaching emergency vehicles a green light).
- Monitor utilization and congestion levels at commuter rail and park & ride parking facilities.
 - Target: Record utilization data twice annually and report data to MassDOT. In FFY 2021, utilization was recorded twice.
- Improve accessibility for all modes to all users.
 - Target: 50% of communities with Complete Streets policies within 10 years. Currently, 88% of communities in the region have an approved Complete Street Policy.
 - Target: 50% of available Transportation Improvement Program funding allocated to projects that significantly improve bicycle and pedestrian mobility.

System Reliability Goals: Improve the efficiency of the surface transportation system; and promote efficient system operation and management. The Old Colony MPO supports Operation and Management Strategies (O and M) for both the transit and highway networks. The LRTP supports this planning factor through this performance measure: “Maintaining and preserving transit, highway, and bridge infrastructure.” As part of the LRTP development, the MPO utilizes a pavement management system to develop costs and recommended repair for operation, preservation, and maintenance of the federal aid network. The Old Colony MPO and BAT are coordinating to implement a performance-based planning process. The MPO integrates BAT’s Transit Asset Management (TAM) Plan into its planning process that prioritizes investments that meet regional performance targets for State of Good Repair. Every agency must develop a transit asset management (TAM) plan if it owns, operates, or manages capital assets used to provide public transportation and receives federal financial assistance under 49 U.S.C. Chapter 53 as a recipient or subrecipient. Each transit provider must designate an Accountable Executive (49 CFR 625.5) to ensure appropriate resources for implementing the agency's TAM plan and the Transit Agency Safety Plan. The identified state of good repair performance measures for TAM regarding BAT include the following areas: equipment (Percentage of vehicles that have met or exceeded their Useful Life Benchmark (ULB)); rolling stock (Percentage of revenue vehicles within a particular asset class that have met or exceeded their ULB); and facilities (Percentage of facilities within an asset class rated below 3.0 on the FTA Transit Economic Requirements Model scale). Additionally, the Old Colony TIP contains operation and maintenance costs for the federal aid network and BAT.

System Reliability Performance Measures and Targets

- Provide and maintain fixed route reliability: Miles between breakdowns w/ passenger interruption.
 - Target: Achieve average of 25,000 miles between breakdowns with passenger interruptions by 2040 (from BAT Performance Dashboard). FY 2021 actual is 78,952 miles between breakdowns with passenger interruptions.
- Provide and maintain demand response reliability: Miles between breakdowns w/ passenger interruption.
 - Target: Achieve average of 30,000 miles between breakdowns with passenger interruptions by 2040 (from BAT Performance Dashboard). FY 2021 actual is 27,904 miles between breakdowns with passenger interruptions.
- Provide and maintain highway network travel time reliability.
- Protect and strengthen transportation systems vulnerable to climate change through identification of at-risk transportation assets and development of protection measures for each category of asset.

Freight Movement and Economic Vitality Goals: Improve the nation’s freight network, strengthen the ability of communities to access national and international trade markets, and support regional economic development; and support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency. The MPO applies specific criteria in the review of transportation strategies. These criteria are applied to changes of delay and emissions. Reduction in traffic delay has a direct consequence on economic vitality both through the timely arrival of commuters and goods and reduction in fuel expenses and losses due to air pollution. The LRTP directly supports these efforts through the goal: “Promote Policies that Ensure Economic Vitality and Sustainability.” The MPO directly supports regional productivity through its economic development mission manifested in the Regional Policy Plan, including support of the federally approved Old Colony Comprehensive Economic Development Strategy priority projects.

Freight Movement and Economic Vitality Performance Measures

- Reduce delay along identified freight routes.
- Improve safety along freight routes.
- Mitigate and improve key arterials (such as Route 106) and limited access highways (Routes 3 and 24) bottlenecks that inhibit efficient freight movement by truck.
- Identify opportunities for promoting intermodal freight movement.
- Increase access to major employment centers.
- Increase viaduct clearance to improve freight movement, emergency response, and reduce delay.
- Plan and prioritize transportation investments that serve targeted development areas.

Environmental Sustainability Goals: Enhance the performance of the transportation system while protecting and enhancing the natural environment; promote energy conservation; improve the quality of life; and promote consistency between transportation improvements and State and local planned growth and economic development patterns. The LRTP and therefore the TIP includes a focus on addressing Climate Change. Where appropriate, TIP projects will include assessments of vulnerabilities and negative risks that climate change effects or extreme weather events pose to the region’s transportation infrastructure. These vulnerabilities and risks will be seriously considered when planning future improvements. Where appropriate, TIP projects include adaptation strategies that will enable the region to implement improvements appropriately. The reduction of greenhouse gas emissions (GHG) remains an important goal in addressing climate change.

Environmental Sustainability Performance Measures and Targets

- Minimize negative environmental impacts of the transportation system.
 - Target: Utilize Congestion Mitigation and Air Quality (CMAQ) Program funding for 100% of all applicable projects.
- Reduce greenhouse gas emissions and ground level ozone (NO_x and VOCs) by all transportation modes.
 - Target: 50% of TIP projects reduce GHGs while also reducing negative impacts on the natural environment (such as improved storm water management or the addition of green space). In the FFY 2022-2026 TIP, 83.33% of the road projects, and 100% of the bus replacement projects had measurable reductions in GHGs. Staff conducts greenhouse gas (GHG) impact assessments using the Congestion Mitigation and Air Quality Spreadsheet to calculate the change in GHGs.
- Increase the usage of clean alternative fuels and recyclable material for new transportation infrastructure.
- Increase coordination of transportation and housing programs to promote affordable housing near transit.
- Develop and support transportation policies that support healthy lifestyles.
- Support investments that clean up brownfields and avoid investments that increase pressure to develop greenfields.
- Support livable communities and smart growth development patterns through the creation of a balanced multi-modal transportation system.

Reduced Project Delivery Delay Goal: Reduce project costs; promote jobs and the economy; and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agency work practices.

Reduced Project Delivery Delay Performance Measures and Targets

- Continue to utilize transportation evaluation criteria in screening potential TIP projects.
 - Target: 100% of all potential projects undergo initial evaluation to determine if project is realistic, viable, and implementable.
- Enhance screening and evaluation of projects to determine Year 1 readiness for TIP.
 - Target: 100% of potential Year 1 TIP projects are screened for implementation readiness. In the FFY 2022-2026 TIP, 100% of Year 1 projects were screened for readiness.
 - Target and Performance Measure: At least 80% of Year 1 TIP Projects are advertised. In the FFY 2022-2026 TIP, 100% of Year 1 projects are on schedule to be advertised.
- Continue to maintain annual participation at TIP Day with MassDOT.
 - Target: 100% attendance and participation at TIP Day. One hundred percent attendance and participation at TIP Day has occurred since its inception.
 - Target: At 25% design stage, work with stakeholders on 100% of potential projects to determine Right-of-Way (ROW), environmental permitting, and other potential challenges to project development and implementation.
- Reduce time of transit contracting.

Resiliency and Reliability of the Transportation System Goals: Improve the resiliency and reliability of the transportation system; reduce or mitigate stormwater impacts of surface transportation; and promote efficient system operation and management.

Resiliency and Reliability Performance Measures and Targets

- Provide and maintain fixed route reliability: Miles between breakdowns w/ passenger interruption.
 - Target: Achieve average of 25,000 miles between breakdowns with passenger interruptions by 2040 (from BAT Performance Dashboard). FY 2021 actual is 78,952 miles between breakdowns with passenger interruptions.
- Provide and maintain demand response reliability: Miles between breakdowns w/ passenger interruption.
 - Target: Achieve average of 30,000 miles between breakdowns with passenger interruptions by 2040 (from BAT Performance Dashboard). FY 2021 actual is 27,904 miles between breakdowns with passenger interruptions.
- Provide and maintain highway network travel time reliability.
- Protect and strengthen transportation systems vulnerable to climate change through identification of at-risk transportation assets and development of protection measures for each category of asset.

The Old Colony MPO supports Operation and Management Strategies (O & M) for both the transit and highway networks. The LRTP supports this planning factor through this performance measure: "Maintaining and preserving transit, highway, and bridge infrastructure." As part of the LRTP development, the MPO utilizes a pavement management system to develop costs and recommended repair for operation, preservation, and maintenance of the federal aid network. Additionally, the Old Colony TIP contains operation and maintenance costs for the federal aid network and BAT.

Travel and Tourism - Enhance Travel and Tourism Goals: The Old Colony MPO is working on efforts to enhance travel and tourism through the LRTP and TIP. Opportunities to monitor, analyze, and develop recommendations will be undertaken.

Transit System Asset (TAM) Condition Performance Measures and Targets

Table 4 lists a set of federally required infrastructure condition performance measures for transit systems along with BAT's Performance Targets. These transit asset management (TAM) measures, which focus on a specific subset of all transit assets, were established in the FTA's TAM Rule. Brockton Area Transit presented this information along with supporting documentation to the Old Colony MPO in September 2020. The Old Colony MPO has adopted BAT's FY 2021 Brockton Area Transit Authority Transit Asset Management (TAM) State of Good Repair Targets in their entirety and as their own and for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process. The Old Colony MPO will continue to assist BAT in striving towards achieving these targets through our project prioritization process and with our evaluation criteria, which considers asset condition an important factor in the selection process. Within the 2022-2026 Transit TIP, projects include the purchase of support vehicles and new buses (35' & 40'). By purchasing the new support vehicles and buses, BAT will maintain their rolling stock in excellent condition and meet the performance targets within the TAM Plan.

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**Table 4
Brockton Area Transit Authority Performance Measures and Targets**

Performance Targets by Asset Category						
Category	Class	Metric	Performance Target for FY 2021	Total Number of Vehicles	# of Vehicles that exceed ULB - FY 2020	% of Fleet that exceeds ULB - FY 2020
Rolling Stock	Buses	X% of fleet that exceeds default ULB of 14	16.00%	46	1	2.17%
	Cutaway Buses	X% of fleet that exceeds default ULB of 10	30.00%	4	4	100.00%
	Vans	X% of fleet that exceeds default ULB of 8	20.00%	58	10	17.24%
Equipment	Non-Revenue Service Vehicle	X% of non-revenue service vehicles that exceeds default ULB of 8	35.00%	3	1	33.33%
	Non-Revenue Service Truck	X% of non-revenue service vehicles that exceeds default ULB of 8	40.00%	8	3	37.50%
Facilities	Admin/Maintenance Facility	X% of facilities rated under 3.0 on Term scale	0.00%	3	0	0.00%

FTA defines ULB as “the expected lifecycle of a capital asset for a particular transit provider’s operating environment, or the acceptable period of use in service for a particular transit provider’s operating environment.” For example, FTA’s default ULB value for a bus is 14 years. FTA’s Transit Economic Requirements Model (TERM) scale, which pertains to the facilities measure, is a rating system that describes asset condition. The scale values are 1 (poor), 2 (marginal), 3 (adequate), 4 (good), and 5 (excellent). Because each measure is intended to represent the share of transit assets that are not in a state of good repair, the goal is to minimize the value for all four measures. FTA grantees, including transit agencies and agency sponsors, such as MassDOT, are required to develop targets for these TAM measures each fiscal year. MPOs, in turn, are required to set targets for their regions. BAT submitted agency-level targets for state fiscal year (SFY) 2021 (July 2020 through June 2021) to the Old Colony MPO. Their targets

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reflect the most recent data available on the number, age, and condition of their assets, and their expectations and capital investment plans for improving these assets during SFY 2021.

Public Transit Agency Safety Plan (PTASP) Performance Measures and Targets

The Public Transportation Agency Safety Plan (PTASP) details the safety processes and procedures for the Brockton Area Transit Authority (BAT). This plan utilizes existing agency safety practices and best practices to be implemented to meet the new regulation set in 49 CFR Part 673 of the federal guidelines and was provided to Old Colony Planning on September 15, 2020.

The PTASP includes formal documentation to guide the agency in proactive safety management policy, safety risk management, safety assurance, and safety promotion. The goal is to provide management and labor a comprehensive, collaborative approach to managing safety. The plan includes the process and schedule for an annual review to evaluate the safety performance measures and update processes to continuously improve the organization’s safety practices.

BAT has developed and approved performance targets based on the safety performance measures established under the National Public Transportation Safety Plan. The targets in Table 5 are based on the review of the previous five years of BAT’s safety performance data.

**Table 5
Brockton Area Transit Authority Safety Performance Measures and Targets**

Safety Performance Targets							
Mode of Transit Service	Fatalities (Total)	Fatalities (Rate)	Injuries (Total)	Injuries (Rate)	Safety Events (Total)	Safety Events (Rate)	System Reliability (Miles between Major Failure)
Fixed Route	0	0	10	7.6	6	4.6	20,000
Demand Response	0	0	4	5.9	4	5.9	30,000

On November 17, 2020, the Old Colony MPO adopted BAT’s Safety Performance Measures and Targets in their entirety and as their own and for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process. The Old Colony MPO will continue to assist BAT in striving towards achieving these targets through our project prioritization process and with our evaluation criteria, which considers safety an important factor in the selection process. Similar to BAT’s TAM Plan, new bus and support vehicle purchases included in the 2022-2026 Transit TIP is also anticipated to help reach the safety targets listed in the PTASP. The new buses and support vehicles will replace the older vehicles and they are expected to be more reliable and safer on the roadways. In addition, the purchasing of support equipment and associated capital maintenance item will assist in the repair of the older vehicles.

1.3 Transportation Funding Programs

The major sources of TIP funding are the Federal Highway Administration (FHWA), Federal Transit Administration (FTA), and MassDOT. The United States Congress authorizes federal funding for these transportation projects through federal legislation. For highways and mass transportation, the most

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recent authorization was the FAST Act (2015). Federal funding received from FAST Act is allocated to different funding programs. State funds are also a key component for transportation purposes.

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.
- **National Freight Program (NFP) Program** provides funds for projects that improve efficient movement of freight on the National Highway Freight Network (NHFN).
- **Surface Transportation Block Grant Program (STBG)** provides flexible funding that may be used by States and localities for projects to preserve and improve the conditions and performance on any Federal-aid highway, bridge and tunnel projects on any public road, pedestrian and bicycle infrastructure, and transit capital projects, including intercity bus terminals.
- **Congestion Mitigation and Air Quality Improvement Program (CMAQ)** provides flexible funding for transportation projects and programs to help meet the requirements of the Clean Air Act.
- **Highway Safety Improvement Program (HSIP)** is a core Federal-aid program with the purpose to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including non-State-owned roads and roads on tribal land.
- **Transportation Alternatives Program (TAP)** provides funds for a variety of activities related to improving transportation assets, including on- and off-road pedestrian and bicycle facilities, environmental mitigation, and creating or improving recreational trails projects.
- **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.
- **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

- **Section 5307** provides funds to urbanized areas and to governors for transit capital and operating assistance in urbanized areas and for transportation-related planning. An urbanized area is an incorporated area with a population of 50,000 or more that is designated as such by the U.S. Department of Commerce, Bureau of the Census.
- **Section 5310** provides funds to enhance the mobility for seniors and persons with disabilities by providing funds for programs to serve the special needs of transit-dependent populations beyond traditional public transportation services and Americans with Disabilities Act (ADA) complementary paratransit services.

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- **Section 5311** provides capital, planning, and operating assistance to states to support public transportation in rural areas with populations of less than 50,000, where many residents often rely on public transit to reach their destinations.
- **Section 5339** provides funding to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities including technological changes or innovations to modify low or no emission vehicles or facilities.
- **Community Transit Grant Program (CTGP)** awards funds to help meet the transportation and mobility needs of seniors and people with disabilities. The annual competitive program distributes Federal Transit Administration Section 5310: Enhanced Mobility of Seniors & Individuals with Disabilities funds and State Mobility Assistance Program (MAP) funds.

1.4 Public Participation, Coordination, and Consultation

Transportation planning is one component of the Continuing, Cooperative, and Comprehensive performance-based multimodal transportation 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 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 existing 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. The FFY 2022-2026 Transportation Improvement Program was developed in accordance with the Public Participation Plan (PPP) for the Old Colony Region. The PPP defines a process for providing individuals, affected public agencies, representatives of public transportation employees, public ports, freight shippers, providers of freight transportation services, private providers of transportation (including intercity bus operators, employer-based commuting programs, such as carpool program, vanpool program, transit benefit program, parking cash-out program, shuttle program, or telework program), representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties with reasonable opportunities to be involved in the metropolitan transportation planning process. With the continuation of the COVID-19 Pandemic State of Emergency in Massachusetts, that includes capacity limits on businesses and organizations, occurring the development of the TIP, the public participation process continued and utilized a virtual and digital mode. Meetings of the Joint Transportation Committee and the Metropolitan Planning Organization have continued via virtual meetings, dissemination of information via email, website, and newsletters has continued, and staff has remained reachable for questions and comments via telephone and email. Legal advertisements notifying the public of the availability of the Draft TIP and the ability to comment have continued.

Brockton Area Transit Authority, the FTA Section 5307(c) applicant, has consulted with the Old Colony Metropolitan Planning Organization 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 at Old Colony JTC, Old

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Colony MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the Federal Transit Administration.

As such, Brockton Area Transit utilizes the Old Colony MPO's public participation process as its public participation process. The public discussion of the Transportation Improvement Program at Old Colony JTC, Old Colony MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the Federal Transit Administration.

Public participation in the TIP development process is welcomed and encouraged. The TIP is posted on the Old Colony Planning Council Website. The public can participate in the development of the TIP by attending meetings of the JTC, MPO, and OCPC, contacting the staff for information or individual meetings, reviewing, and commenting on draft TIPs. To ensure that there is equity in the distribution of transportation resources and that there is reasonable access to the planning process, the Old Colony MPO continually conducts Title VI and Environmental Justice planning for the Old Colony Region. The overall engagement methodology is described in the following sections.

The Old Colony MPO consults with agencies and officials responsible for other planning activities within the metropolitan planning area that are affected by transportation (including State and local planned growth, economic development, tourism, natural disaster risk reduction, environmental protection, airport operations, or freight movements) or coordinate its planning process (to the maximum extent practicable) with such planning activities.

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 as follows:

- Old Colony Metropolitan Planning Organization - The MPO provided continual oversight of the TIP development and project programming and has the responsibility of ultimately endorsing the TIP. Monthly meetings took place on the third Tuesday of the month.
- Old Colony Joint Transportation Committee - Functioning as the advisory committee to the Old Colony MPO and Old Colony Planning Council, this committee 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.
- Old Colony Planning Council (OCPC) - The Old Colony Planning Council discusses the TIP development and provides both planning and policy guidance at regularly scheduled OCPC Board of Directors meetings.
- Transit Providers - MPO staff seeks input regarding transit needs and projects from the Brockton Area Transit Regional Transit Authority, Greater Attleboro-Taunton Regional Transit Authority (GATRA), MBTA, and the South Shore Community Action Council (SSCAC).
- 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 may take place with: Brockton Area Transit, Cape Verdean Association of Brockton, Chief Elected Officials, Departments of Public Works and Highway Departments, Massachusetts Department of Transportation, Greater Attleboro Taunton Transit Authority,

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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, Federal Transit Administration, transit providers, minority groups, city and town clerks, media outlets, 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 - Staff utilizes media outlets to solicit public comment, advertise meetings, and advertise TIP availability. The media outlets are 95.9 WTD, the Brockton Enterprise, the Ojornal, and the Patriot Ledger.
- Copies of the Draft TIP are posted on the OCPC website and are provided upon request via email and direct mail. As such, reasonable access, and opportunities to review the Draft TIP are provided.
- 21-Day Public Review Period - During the public review period for the Draft TIP, copies are available, and their availability are advertised using multiple media outlets and the TAN. During the period, public meetings were held, and the staff was available to discuss the Draft TIP with the public upon request.

Environmental Justice and Social Equity

Environmental Justice (EJ) 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.

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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 Old Colony MPO has public-involvement procedures established that provide for consideration of Environmental Justice. These procedures provide an inclusive, representative, and equal opportunity for 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. Detailed information on these procedures is included in the Old Colony Public Participation available [here](#).

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 are 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 was completed to identify all regionally significant projects constructed and/or programmed in the Old Colony Transportation Improvement Program during the period of 2003 - 2025. 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 Environmental Justice Communities. Environmental Justice Communities in the Old Colony MPO Region are Brockton, Easton, Plymouth, Stoughton, and Whitman. The voting members (Signatories) of the Old Colony Metropolitan Planning Organization consist of the following officials or their designees:

- The Secretary of the Massachusetts Department of Transportation
- The Administrator of the Massachusetts Department of Transportation Highway Division
- The President of the Old Colony Planning Council
- The Administrator of the Brockton Area Transit Authority
- The Mayor of the City of Brockton
- The Chief Elected Official of Plymouth

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- The Chief Elected Official from two (2) communities, other than Brockton or Plymouth, to serve two-year terms

For the purposes of identifying these communities, the staff utilized the MassGIS Environmental Justice GIS Shape file. Polygons in the Environmental Justice Populations layer represent neighborhoods across the state with high minority, non-English speaking, low-income, and foreign-born populations. Specifically, a community is identified as an Environmental Justice Community if any the following are true within that community:

- Contains a Block group whose annual median household income is equal to or less than 65 percent of the statewide median (\$62,072 in 2010); or
- 25% or more of the residents identify as a race other than white; or
- 25% or more of households have no one over the age of 14 who speaks English only or very well - English Isolation.

Regionally, it was determined that 58.3 percent of the identified improvement projects, representing approximately 56.3 percent of the identified investment dollars on the FFY 2022-2026 TIP are in EJ communities. These percentages approximate the 59.3 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, and provide access to many key employment centers, including downtown Brockton and regional commercial and employment destinations.

Table 6
Investment Value of TIP Projects 2022-2026 (Projects Planned)

Type	Population Represented in EJ Communities (2010)	Percent Population Represented	TIP Project Investment	Percentage of Projects in EJ/ Non EJ Communities by Total Investment (\$)
Within EJ Communities	214,841	59.3%	\$38,538,533	58.3%
Outside EJ Communities	147,565	40.7%	\$29,947,676	41.7%
Totals	362,406	100.0%	\$68,486,209	100%

The Old Colony MPO undertook further analysis to determine the level of investments during the period of 2003-2021 through [previous](#) Transportation Improvement Programs. From that analysis, it was concluded that 59.2 percent of the identified improvement projects, representing approximately 63.5 percent of the identified investment dollars allocated during the TIP years of 2003-2021 are in EJ communities. These percentages approximate the 59.3 percent of the region’s population identified as living in EJ communities.

Table 7

Investment Value of TIP Projects 2003 - 2021 (Projects Implemented)

Type	Population Represented in EJ Communities (2010)	Percent Population Represented	TIP Project Investment	Percentage of Projects in EJ/ Non EJ Communities by Total Investment (\$)
Within EJ Communities	214,841	59.3%	\$156,213,901	63.5%
Outside EJ Communities	147,565	40.7%	\$89,826,236	36.5%
Totals	362,406	100.0%	\$246,040,137	100%

The first step towards understanding the profile of individuals that could participate in the transportation planning process and reside in community that is a recipient of TIP project funding is a review of U.S Census data. Tables 7 display the number of individuals who are Limited English Proficient (LEP). For our planning purposes, we are considering people that speak English “not well” or “not at all”.

Table 7, derived from the 2018 US Census American Community Survey, shows the number and percent of persons who are five (5) and older, regarding their English language skills, for the communities within the MPO area and several adjacent municipalities. It should be noted that the U.S. Census has changed how it collects data on the number of LEP individuals in each area. In years past, the U.S. Census collected LEP data down to the census block level, but due to privacy concerns, the U.S. Census no longer gets as granular in its LEP data collection efforts. In the case of the Old Colony Region, LEP data is collected on the community level, and with some communities, LEP information is provided only on a multi-community level.

As seen in the table below, approximately 9% of the MPO area population is not proficient in English. The highest concentration of LEP individuals is in the community grouping of Duxbury, Kingston, Marshfield, Plymouth, and Situate at 18%. While the combined communities of Avon, Brockton, and Stoughton have the second concentration of LEP persons at 17% and receive 43% of the projects in FFY 2022-2026 TIP.

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**Table 8
Investment Value of TIP Projects and Limited English Proficient (LEP) 2022-2026 (Projects Planned)**

Community Grouping	2018 Population of 5 Years or Older	Number of LEP Persons	Percentage of LEP Persons	Number of TIP Projects, 2012 through 2026	Percentage of Total Projects	TIP Project Expenditures, 2012 through 2026 (\$)
Avon, Brockton, and Stoughton	120,300	20,882	17%	17	43%	\$65,260,522
Abington, Bridgewater, East Bridgewater, Easton, Rockland, Whitman, and West Bridgewater	115,811	2,869	2%	12	30%	\$48,164,390
Halifax, Hanover, Hanson, Pembroke, and Plympton	106,948	1,121	1%	7	18%	\$38,716,126
Duxbury, Kingston, Marshfield, Plymouth, and Scituate	87,514	15,781	18%	4	10%	\$23,172,279
Totals	430,573	40,653	9%	40	100%	\$175,313,317

The following project spanning multiple communities

Abington and Brockton - North Quincy Street at Chestnut Street and Boundary Avenue Roundabout

Analysis does not include Bridge Projects or Limited Access Highway Projects

LEP Source: 2018 ACS 5 year B16001 LEP Languages

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 2022-2026 Transportation Improvement Program and previous TIPs (dating back to 2003) 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 MPO 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 MPO 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.

2. HIGHWAY AND BRIDGE PROJECT LISTING BY COMMUNITY

2.1 Prioritization and Transportation Evaluation Criteria

Several factors are considered when developing the prioritization and programming of TIP projects. They include:

- Financial feasibility of project
- Local and regional support for the project
- Need for project to be implemented (safety, congestion, etc.)

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- Project has been derived from the Management Systems (Congestion, Safety, and Pavement)
- Project has Project Review Committee (PRC) approval and/or a MassDOT ID
- Project must have reasonable progress in design, permitting, and right-of-way, etc., to ensure that the project can be implemented in the active year
- Project implementation will assist with making progress towards achievement of adopted performance measures and targets
- Results of Annual TIP Readiness Day
- Results of Transportation Evaluation Criteria

Transportation Evaluation Criteria (TEC)

With transparency and reasonableness in mind, in 2004, the Old Colony MPO began utilizing TIP project transportation evaluation criteria to inform the process of evaluating and selecting projects for programming in the TIP. The transportation evaluation criteria are a means of assisting decision makers in the programming projects that will help the region attain the visions established by the Old Colony MPO, which includes, 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 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.

Evaluation of Projects

The Transportation Evaluation Criteria utilized for the FFY 2022-2026 Transportation Improvement Program are included in Appendix H. The scoring results of the Transportation Evaluation Criteria are included with the applicable projects listed in the Universe of Projects beginning on Page 27. System reliability projects such as preservation projects on limited access highways or transit state of good repair projects are not evaluated, as they are required projects identified through asset management systems.

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.

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

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 the individual criteria in each category.

The category scores for a project are then combined into an overall score of between +18 and -18, and the scores are then converted to a 100-point scale.

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The Old Colony MPO considers whether a project’s implementation will assist in making progress towards achievement of adopted performance measures and targets and utilizes evaluation criteria 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 Long-Range Transportation Plan to implement the LRTP, considers geographic and social equity to help ensure that the list of projects addresses needs throughout the region, and accounts for cost to comply with fiscal constraint.

2.2 Universe of Projects and Geographic Distribution of Projects

The following is a listing of projects ranked, from high to low, by Transportation Evaluation Criteria Score. The Program Year refers to which year the project is programmed or if it is not programmed.

**Table 9
Universe of Projects**

PROJECT LOCATION AND DESCRIPTION	PROJECT ID#	PROGRAM YEAR	TEC SCORE
STOUGHTON - CORRIDOR IMPROVEMENTS ON ROUTE 138	607403	2023 - ADVANCE CONSTRUCTION PHASE 1 OF 2	51.78
STOUGHTON - CORRIDOR IMPROVEMENTS ON ROUTE 138	607403	2024 - ADVANCE CONSTRUCTION PHASE 2 OF 2	51.78
BROCKTON - INTERSECTION IMPROVEMENTS AT LYMAN STREET/GROVE STREET/SUMMER STREET & REPLACEMENT OF GROVE STREET BRIDGE, B-25-005, OVER SALISBURY PLAIN RIVER	607818	2025	50.39
BROCKTON- INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRE STREET (ROUTE 123), CARY STREET AND LYMAN STREET	609410	2023	48.89
PLYMOUTH - ROUTE 3/ ROUTE 3A EXIT 2 STATE ROAD AND HERRING POND ROAD AND HEDGES POND ROAD CAPACITY ENHANCEMENT, SIGNALIZATION, AND GEOMETRIC IMPROVEMENTS		NOT PROGRAMMED	46.56
BROCKTON - INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/ QUINCY STREET/ MASSASOIT BOULEVARD	606143	NOT PROGRAMMED	45.83
BROCKTON - ABINGTON - PEDESTRIAN AND BICYCLE IMPROVEMENTS ON ROUTE 123	609520	NOT PROGRAMMED	44.72
BROCKTON - ROUTE 123 (CENTRE STREET) AT PLYMOUTH STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	609052	2024	44.06
STOUGHTON - INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRAL STREET, CANTON STREET AND TOSCA DRIVE	608279	2023	43.22
EASTON - CORRIDOR IMPROVEMENTS ON ROUTE 138 INCLUDING INTERSECTION IMPROVEMENTS AT ROUTE 138 (WASHINGTON STREET) AND ELM STREET	608195	NOT PROGRAMMED	42.89
ABINGTON - INTERSECTION IMPROVEMENTS AT HANCOCK STREET AND CHESTNUT STREET	609440	2026	41.06
STOUGHTON - RECONSTRUCTION OF TURNPIKE STREET	607214	NOT PROGRAMMED	38.89
EASTON - RESURFACING AND RELATED WORK ON ROUTE 138 (ROOSEVELT CIRCLE TO STOUGHTON TOWN LINE (EXCLUDING THE SECTION FROM ELM STREET TO UNION STREET))	608585	2025	38.72

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DUXBURY - SIGNAL INSTALLATION @ ROUTE 3 (NB & SB) RAMPS & ROUTE 3A (TREMONT STREET)	606002	2026	38.22
HANSON - CORRIDOR IMPROVEMENTS ON ROUTE 14 (MAQUAN STREET), FROM THE PEMBROKE T.L. TO INDIAN HEAD STREET AND RELATED WORK	608506	2026 - ADVANCE CONSTRUCTION PHASE 1 OF 2	38.22
HANSON - CORRIDOR IMPROVEMENTS ON ROUTE 14 (MAQUAN STREET), FROM THE PEMBROKE T.L. TO INDIAN HEAD STREET AND RELATED WORK	608506	2027 - ADVANCE CONSTRUCTION PHASE 2 OF 2	38.22
PEMBROKE - REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	600380	2022	34.11
AVON & STOUGHTON - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 24	608496	2022	TO BE DETERMINED
PLYMPTON - BRIDGE REPLACEMENT, WINNETUXET ROAD OVER WINNETUXET RIVER	609435	2024	TO BE DETERMINED
AVON - CORRIDOR IMPROVEMENTS ON ROUTE 28	610804	NOT PROGRAMMED	TO BE DETERMINED
AVON - INTERSECTION IMPROVEMENTS AT ROUTE 28, SPRING STREET AND HARRISON BOULEVARD	611979	NOT PROGRAMMED	TO BE DETERMINED
EAST BRIDGEWATER - INTERSECTION IMPROVEMENTS AT BEDFORD STREET (ROUTE 18), WEST STREET (ROUTE 106) AND EAST STREET	611968	NOT PROGRAMMED	TO BE DETERMINED
EAST BRIDGEWATER - INTERSECTION IMPROVEMENTS AT HIGHLAND STREET AND NORTH BEDFORD STREET (ROUTE 18)	611976	NOT PROGRAMMED	TO BE DETERMINED
PEMBROKE - INTERSECTION IMPROVEMENTS AT WASHINGTON STREET AND SCHOOSSETT STREET	611978	NOT PROGRAMMED	TO BE DETERMINED
STOUGHTON - INTERSECTION IMPROVEMENTS AT CANTON STREET (ROUTE 27), SCHOOL STREET AND SUMMER STREET	611981	NOT PROGRAMMED	TO BE DETERMINED
BROCKTON AREA TRANSIT AUTHORITY (BAT) - ACQUIRE REPLACEMENT <30 FT BUS DIAL-A-BAT (7)		PROJECT NEED FOR EACH YEAR 2022-2026	TO BE DETERMINED
BROCKTON AREA TRANSIT AUTHORITY (BAT) - ACQUIRE REPLACEMENT VAN COUNCILS ON AGING (3)		PROJECT NEED FOR EACH YEAR 2022-2026	TO BE DETERMINED
OCPC AREA AGENCY ON AGING (AAA) - VOLUNTEER TRANSPORTATION PROGRAM (VTP)		PROJECT NEED FOR EACH YEAR 2022-2026	TO BE DETERMINED
SOUTH SHORE COMMUNITY ACTION COUNCIL (SSCAC) - ACQUIRE REPLACEMENT <30 FT VEHICLES (7)		PROJECT NEED FOR EACH YEAR 2022-2026	TO BE DETERMINED

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Geographic Distribution and Equity Analysis of Projects

The Old Colony MPO monitors the geographic distribution of TIP projects over time. Table 8 provides the distribution of TIP projects from 2012 through 2026. To assist with providing context to the distribution, included in the table is 2010 Population and 2019 Median Household Income.

From an examination of the distribution of TIP projects from 2012 through 2026, the following observations may be made:

- There are higher concentrations of projects within the more populated urban areas (i.e., Brockton at 30.0 percent of all projects). Such concentrations tend to follow areas with elevated levels of congestion, bicycle and pedestrian activity, and crash clusters.
- The towns of Easton (12.5%), Pembroke (12.5%), Plymouth (7.5%), and Stoughton (7.5%) also had higher concentration of projects. A potential explanation for such a trend is that these populous communities feature proximity to limited access highways, commuter rail, and academic institutions of higher learning. Such features, while beneficial in many respects, also lead to higher pedestrian, bicyclist and vehicle trips, and the need for additional multimodal and infrastructure.
- Regarding equity, it is observed that Brockton, with 57% Title VI Minority Population, had 30% of the TIP projects of the 2012-2026 span, while Stoughton with 22% Title VI Minority Population, had 7.5% of the projects during the same time.

Table 10
Geographic Distribution and Equity Analysis of Projects

Community	2010 Population	All Minority (Including White Hispanic) Population	Percent Title VI Minority	Median Household Income, 2019	Number of TIP Projects, 2012 through 2026	Percentage of Total Projects	TIP Project Expenditures, 2012 through 2026 (\$)	Per Capita Expenditure (\$)
Abington	15,985	1,368	9%	\$99,381	2	5.0%	\$4,119,138	\$257.69
Avon	4,356	741	17%	\$85,200	2	5.0%	\$6,055,120	\$1,390.06
Bridgewater	26,563	2,941	11%	\$95,675	1	2.5%	\$1,486,453	\$55.96
Brockton	93,810	53,542	57%	\$58,469	12	30.0%	\$38,762,896	\$413.21
Duxbury	15,059	560	4%	\$128,173	1	2.5%	\$2,784,000	\$184.87
East Bridgewater	13,794	790	6%	\$90,528	1	2.5%	\$7,763,091	\$562.79
Easton	23,112	2,327	10%	\$112,268	5	12.5%	\$21,189,613	\$916.82
Halifax	7,518	282	4%	\$92,774	0	0.0%	\$0	\$0.00
Hanover	13,879	579	4%	\$127,981	0	0.0%	\$0	\$0.00
Hanson	10,209	424	4%	\$96,693	1	2.5%	\$11,960,783	\$1,171.59
Kingston	12,629	598	5%	\$96,104	0	0.0%	\$0	\$0.00
Pembroke	17,837	699	4%	\$103,905	5	12.5%	\$24,613,677	\$1,379.92
Plymouth	56,468	4,230	7%	\$90,279	3	7.5%	\$20,388,279	\$361.06
Plympton	2,820	112	4%	\$94,167	1	2.5%	\$2,141,666	\$759.46
Stoughton	26,962	5,822	22%	\$83,519	3	7.5%	\$20,442,506	\$758.20
West Bridgewater	6,916	440	6%	\$97,404	2	5.0%	\$7,615,278	\$1,101.11
Whitman	14,489	886	6%	\$86,570	1	2.5%	\$5,990,816	\$413.47
Totals	362,406	76,341	21%		40	100.0%	\$175,313,317	\$484

The following project spanning multiple communities

Abington and Brockton - North Quincy Street at Chestnut Street and Boundary Avenue Roundabout

Analysis does not include Limited Access Highway Projects

3. TIP - FEDERAL REQUIREMENTS AND PROJECT LISTS

3.1 Endorsements of the FFY 2022-2026 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 Unified Planning Work Program, Long Range Transportation Plan, and Transportation Improvement Program, together with any amendments, were developed in accordance with FHWA and FTA regulations governing the implementation of the Fixing America’s Surface Transportation Act (FAST Act), EPA regulations governing the implementation of the Clean Air Act Amendments of 1990, and fully incorporates the applicable requirements of the 1964 Civil Rights Act and the Americans with Disabilities Act of 1990. From certification reviews conducted in 2006, 2011, 2016, and 2019 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 2022-2026 Old Colony TIP is in Appendix A.

Self-Compliance Statements of the Metropolitan Transportation Planning Process is in Appendix B.

Self-Compliance Statements of the 310 CMR 60.05: Global Warming Solutions Act Requirements for the Transportation Sector and the Massachusetts Department of Transportation is in Appendix C.

3.2 Procedures for Amendments and Administrative Modifications

The TIP is a “living” document and is likely to be modified during the year. The definitions and procedures outlined in this section are followed when project-based revisions to the TIP are necessary (Detailed TIP Project Revision and Definition Procedures are included in Appendix N).

TIP Amendment

A revision to the Transportation Improvement Program that requires public review and demonstration of financial constraint. The public process for a TIP amendment requires a publicly advertised 21-day public comment period and for the MPO to address any public commentary prior to endorsement. 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 the major change(s) in a project.

TIP Adjustment

A revision to the STIP that is does not require a public process, but that is required to be included in a TIP action with a demonstration of financial constraint for FHWA/FTA approval.

TIP Administrative Modification

A revision to the TIP that is minor enough in nature to require neither a public process nor FHWA/FTA approval, but that does involve a notification to federal partners.

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3.3 Financial Summary, Targets, and Fiscal Constraint Analysis

The Massachusetts Department of Transportation Office of Transportation Planning, in consultation with the Regional Planning Agencies and utilizing the Massachusetts Association of Regional Planning Agencies (MARPA) Formula, 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 funds, Highway Safety Improvement Program (HSIP) funds, and Transportation Alternative Program funds. These Funding Targets are in Appendix G. The anticipated funds, programmed funds, unprogrammed funds and fiscal constraint analysis is summarized below in Table 9. The Summary of Regional Funding Categories in Table 11 provides specifics on fund amount by funding category.

**Table 11
Funding Totals of Programmed Highway and Bridge Projects, and Fiscal Constraint Analysis**

Fiscal Year	Total of Anticipated Funds (Bridge Funds, Regional Targets, and Statewide Funds)	Total of Programmed Funds	Total of Unprogrammed Funds (Fiscal Constraint Analysis)
2022	\$ 18,660,250.00	\$17,500,588	\$1,159,662
2023	\$ 13,702,981.00	\$13,702,981	\$0
2024	\$ 13,861,193.00	\$9,179,157	\$4,682,036
2025	\$ 11,445,933.00	\$10,458,468	\$987,465
2026	\$ 11,148,703.00	\$11,148,703	\$0
Totals	\$68,819,060	\$61,989,897	\$6,829,163

Programmed amount includes projects funded with regional target funds (CMAQ, HSIP, TAP, STBG) and statewide funds (FFYs 2022, 2023, and 2024)

**Table 12
Funding Totals of Programmed Transit Projects, and Fiscal Constraint Analysis**

Fiscal Year	Total of Anticipated Funds (Federal, State, and Local Funds)	Total of Programmed Funds	Total of Unprogrammed Funds (Fiscal Constraint Analysis)
2022	\$7,955,000	\$7,955,000	\$0
2023	\$9,785,000	\$9,785,000	\$0
2024	\$10,745,000	\$10,745,000	\$0
2025	\$8,235,000	\$8,235,000	\$0
2026	\$8,540,000	\$8,540,000	\$0
Totals	\$45,260,000	\$45,260,000	\$0

Programmed amount include state funds

The Transportation Improvement Program is financially constrained according to the definition in the 23 CFR Part 450.324. 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., 2023 at 4%; 2024 at 8%; 2025 at 12%, and

FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

2026 at 16%). The projects programmed do not exceed the funding estimates of federal and state funds available in each of these fiscal years. Additionally, the transit projects programmed in the TIP are financially constrained to available resources and they have been reviewed and approved for programming by MassDOT Rail & Transit, and the MassDOT Office of Transportation Planning.

The financial plans in Tables 9 and 10 demonstrate fiscal constraint, and reflect the emphasis on the maintenance and operation, and state of good repair for the highway, bridge, and transit system. In addition, a fiscal constraint analysis is included on each of the highway program programming tables beginning on page 33.

Only highway, bridge, and transit projects for which funds can be reasonably expected have been included in the financially constrained TIP.

3.4 Summary of Regional Funding Categories (FFY 2022-2026)

**Table 13
Summary of Regional Funding Categories (FFY 2022-2026)**

Funding Category	2022	2023	2024	2025	2026	Total
NHPP	\$7,339,593					\$7,339,593
SRTS						\$0
STATEWIDE CMAQ						\$0
STATEWIDE HSIP		\$2,135,071				\$2,135,071
STBG-BR-Off			\$2,141,666			\$2,141,666
STBG	\$8,676,301	\$10,428,024	\$7,037,491	\$8,973,774	\$11,148,703	\$46,264,293
CMAQ	\$1,139,886	\$1,139,886		\$1,139,886		\$3,419,658
HSIP						\$0
TAP	\$344,808			\$344,808		\$689,616
Subtotal FHWA/ State	\$17,500,588	\$13,702,981	\$9,179,157	\$10,458,468	\$11,148,703	\$61,989,897
5307 - Operating/ PM/ ADA	\$2,600,000	\$2,700,000	\$2,800,000	\$2,900,000	\$1,975,000	\$12,975,000
5307 - Capital	\$1,071,000	\$2,272,000	\$2,511,000	\$1,123,000	\$2,615,000	\$9,592,000
Carryover	\$405,000	\$1,236,000	\$550,000	\$480,000		\$2,671,000
5310						\$0
5339						\$0
State	\$3,879,000	\$3,577,000	\$4,884,000	\$3,732,000	\$3,950,000	\$20,022,000
Local						\$0
TDC						\$0
Subtotal FTA/ State/ Local	\$7,955,000	\$9,785,000	\$10,745,000	\$8,235,000	\$8,540,000	\$45,260,000
Grand Total	\$25,455,588	\$23,487,981	\$19,924,157	\$18,693,468	\$19,688,703	\$107,249,897

Statewide CMAQ amounts represent the specific projects.

Bridge amounts represent specific projects.



2022 Old Colony Region Program

STIP: 2022 - 2026 (D)

Program	MassDOT Project ID	MPO	Municipality	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Other Information
Federal Fiscal Year 2022										
Section 1A / Regionally Prioritized Projects							\$10,160,995	\$8,128,796	\$2,032,199	
Roadway Reconstruction	600380	Old Colony	Pembroke	PEMBROKE- REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	CMAQ	\$1,139,886	\$911,909	\$227,977	a) Construction; b) Total Project Cost = \$10,160,995 w/ \$8,676,301 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
Roadway Reconstruction	600380	Old Colony	Pembroke	PEMBROKE- REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	STBG	\$8,676,301	\$6,941,041	\$1,735,260	a) Construction; b) Total Project Cost = \$10,160,995 w/ \$8,676,301 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
Roadway Reconstruction	600380	Old Colony	Pembroke	PEMBROKE- REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	TAP	\$344,808	\$275,846	\$68,962	a) Construction; b) Total Project Cost = \$10,160,995 w/ \$8,676,301 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
							CMAQ Programmed	\$1,139,886	\$911,909	\$227,977
							STBG Programmed	\$8,676,301	\$6,941,041	\$1,735,260
							TAP Programmed	\$344,808	\$275,846	\$68,962
Total Programmed for Old Colony Region Projects*							\$10,160,995	\$8,128,796	\$2,032,199	
Program Target for Old Colony Region Projects							\$11,320,658	\$9,056,526	\$2,264,132	
Target Funds Available for Old Colony Region Projects							\$1,159,663	\$927,730	\$231,933	
Section 2A / State Prioritized Reliability Projects							\$7,339,593	\$5,871,674	\$1,467,919	
Non-Interstate Pavement	608496	Old Colony	Multiple	AVON- STOUGHTON- RESURFACING AND RELATED WORK ON ROUTE 24	5	NHPP	\$7,339,593	\$5,871,674	\$1,467,919	
Old Colony Region Total Program Summary							\$17,500,588	\$14,000,470	\$3,500,118	



2023 Old Colony Region Program

STIP: 2022 - 2026 (D)

Program	MassDOT Project ID	MPO	Municipality	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Other Information
Federal Fiscal Year 2023										
Section 1A / Regionally Prioritized Projects							\$11,567,910	\$9,254,328	\$2,313,582	
Roadway Reconstruction	607403	Old Colony	Stoughton	STOUGHTON- CORRIDOR IMPROVEMENTS ON ROUTE 138	5	STBG	\$6,971,447	\$5,577,158	\$1,394,289	a) Construction; b) Total Project Cost = \$11,485,518 w/ \$11,485,518 of STBG funding; c) Advance Construction; d) MPO score 51.78 (Total Cost is \$11,485,518 with FFY 2023 Cost of \$6,971,447 and FFY 2024 Cost of \$4,514,071)
Intersection Improvements	608279	Old Colony	Stoughton	STOUGHTON- INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRAL STREET, CANTON STREET AND TOSCA DRIVE	5	CMAQ	\$1,139,886	\$911,909	\$227,977	a) Construction; b) Total Project Cost = \$4,596,463 w/ \$3,456,577 of STBG funding, and \$1,139,886 of CMAQ funding,; d) MPO score 43.22
Intersection Improvements	608279	Old Colony	Stoughton	STOUGHTON- INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRAL STREET, CANTON STREET AND TOSCA DRIVE	5	STBG	\$3,456,577	\$2,765,262	\$691,315	a) Construction; b) Total Project Cost = \$4,596,463 w/ \$3,456,577 of STBG funding, and \$1,139,886 of CMAQ funding,; d) MPO score 43.22
CMAQ Programmed							\$1,139,886	\$911,909	\$227,977	
STBG Programmed							\$10,428,024	\$8,342,419	\$2,085,605	
Total Programmed for Old Colony Region Projects*							\$11,567,910	\$9,254,328	\$2,313,582	
Program Target for Old Colony Region Projects							\$11,567,910	\$9,254,328	\$2,313,582	
Target Funds Available for Old Colony Region Projects							\$0	\$0	\$0	
Section 2B / State Prioritized Modernization Projects							\$2,135,071	\$1,921,564	\$213,507	
Intersection Improvements	609410	Old Colony	Brockton	BROCKTON- INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRE STREET (ROUTE 123), CARY STREET AND LYMAN STREET	5	HSIP	\$2,135,071	\$1,921,564	\$213,507	
Old Colony Region Total Program Summary							\$13,702,981	\$11,175,892	\$2,527,089	



2024 Old Colony Region Program

STIP: 2022 - 2026 (D)

Program	MassDOT Project ID	MPO	Municipality	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Other Information
Federal Fiscal Year 2024										
Section 1A / Regionally Prioritized Projects							\$7,037,491	\$5,629,993	\$1,407,498	
Roadway Reconstruction	607403	Old Colony	Stoughton	STOUGHTON- CORRIDOR IMPROVEMENTS ON ROUTE 138	5	STBG	\$4,514,071	\$3,611,257	\$902,814	a) Construction; b) Total Project Cost = \$11,485,518 w/ \$11,485,518 of STBG funding; c) Advance Construction; d) MPO score 51.78 (Total Cost is \$11,485,518 with FFY 2023 Cost of \$6,971,447 and FFY 2024 Cost of \$4,514,071)
Roadway Reconstruction	609052	Old Colony	Brockton	BROCKTON- INTERSECTION IMPROVEMENTS AT CENTRE STREET (ROUTE 123) AND PLYMOUTH STREET	5	STBG	\$2,523,420	\$2,018,736	\$504,684	a) Construction; b) Total Project Cost = \$2,523,420 w/ \$2,523,420 of STBG funding; d) MPO score 44.06
STBG Programmed							\$7,037,491	\$5,629,993	\$1,407,498	
Total Programmed for Old Colony Region Projects*							\$7,037,491	\$5,629,993	\$1,407,498	
Program Target for Old Colony Region Projects							\$11,719,528	\$9,375,622	\$2,343,906	
Target Funds Available for Old Colony Region Projects							\$4,682,037	\$3,745,629	\$936,408	
Section 2A / State Prioritized Reliability Projects							\$2,141,666	\$1,713,333	\$428,333	
Bridge Off-system	609435	Old Colony	Plympton	PLYMPTON- BRIDGE REPLACEMENT, P-14-001 (445), WINNETUXET ROAD OVER WINNETUXET RIVER	5	STBG-BR-Off	\$2,141,666	\$1,713,333	\$428,333	
Old Colony Region Total Program Summary							\$9,179,157	\$7,343,326	\$1,835,831	



2025 Old Colony Region Program

STIP: 2022 - 2026 (D)

Program	MassDOT Project ID	MPO	Municipality	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	
Federal Fiscal Year 2025										
Section 1A / Regionally Prioritized Projects							\$10,458,468	\$8,366,774	\$2,091,694	
Intersection Improvements	607818	Old Colony	Brockton	BROCKTON- INTERSECTION IMPROVEMENTS AT LYMAN STREET/GROVE STREET/SUMMER STREET & REPLACEMENT OF GROVE STREET BRIDGE, B-25-005, OVER SALISBURY PLAIN RIVER	5	CMAQ	\$1,139,886	\$911,909	\$227,977	a) Construction; b) Total Project Cost = \$4,704,000 w/ \$3,219,306 of STBG funding, \$1,139,886 of CMAQ funding, and \$344,808 of TAP funding; d) MPO score 50.39
Intersection Improvements	607818	Old Colony	Brockton	BROCKTON- INTERSECTION IMPROVEMENTS AT LYMAN STREET/GROVE STREET/SUMMER STREET & REPLACEMENT OF GROVE STREET BRIDGE, B-25-005, OVER SALISBURY PLAIN RIVER	5	STBG	\$3,219,306	\$2,575,445	\$643,861	a) Construction; b) Total Project Cost = \$4,704,000 w/ \$3,219,306 of STBG funding, \$1,139,886 of CMAQ funding, and \$344,808 of TAP funding; d) MPO score 50.39
Intersection Improvements	607818	Old Colony	Brockton	BROCKTON- INTERSECTION IMPROVEMENTS AT LYMAN STREET/GROVE STREET/SUMMER STREET & REPLACEMENT OF GROVE STREET BRIDGE, B-25-005, OVER SALISBURY PLAIN RIVER	5	TAP	\$344,808	\$275,846	\$68,962	a) Construction; b) Total Project Cost = \$4,704,000 w/ \$3,219,306 of STBG funding, \$1,139,886 of CMAQ funding, and \$344,808 of TAP funding; d) MPO score 50.39
Intersection Improvements	608195	Old Colony	Easton	EASTON- CORRIDOR IMPROVEMENTS ON ROUTE 138 INCLUDING INTERSECTION IMPROVEMENTS AT ROUTE 138 (WASHINGTON STREET) AND ELM STREET	5	STBG	\$5,754,468	\$4,603,574	\$1,150,894	a) Construction; b) Total Project Cost = \$5,754,468 w/ \$5,754,468 of STBG funding; d) MPO score 42.89
							CMAQ Programmed	\$1,139,886	\$911,909	\$227,977
							STBG Programmed	\$8,973,774	\$7,179,019	\$1,794,755
							TAP Programmed	\$344,808	\$275,846	\$68,962
Total Programmed for Old Colony Region Projects*							\$10,458,468	\$8,366,774	\$2,091,694	
Program Target for Old Colony Region Projects							\$11,445,933	\$9,156,746	\$2,289,187	
Target Funds Available for Old Colony Region Projects							\$987,465	\$789,972	\$197,493	
Old Colony Region Total Program Summary							\$10,458,468	\$8,366,774	\$2,091,694	



2026 Old Colony Region Program

STIP: 2022 - 2026 (D)

Program	MassDOT Project ID	MPO	Municipality	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	
Federal Fiscal Year 2026										
Section 1A / Regionally Prioritized Projects							\$11,148,703	\$8,918,962	\$2,229,741	
Intersection Improvements	606002	Old Colony	Duxbury	DUXBURY- SIGNAL INSTALLATION @ ROUTE 3 (NB & SB) RAMPS & ROUTE 3A (TREMONT STREET)	5	STBG	\$2,784,000	\$2,227,200	\$556,800	a) Construction; b) Total Project Cost = \$2,784,000 w/ \$2,784,000 of STBG funding; d) MPO score 38.22
Roadway Reconstruction	608506	Old Colony	Hanson	HANSON- CORRIDOR IMPROVEMENTS ON ROUTE 14 (MAQUAN STREET), FROM THE PEMBROKE T.L. TO INDIAN HEAD STREET AND RELATED WORK	5	STBG	\$5,464,471	\$4,371,577	\$1,092,894	a) Construction; b) Total Project Cost = \$11,960,783 w/ \$11,960,783; c) Advance Construction; d) MPO score 50.39 (Total Cost is \$11,960,783 with \$5,464,471 in FFY 2026 and \$6,496,312 in 2027)
Intersection Improvements	609440	Old Colony	Abington	ABINGTON- INTERSECTION IMPROVEMENTS AT HANCOCK STREET AND CHESTNUT STREET	5	STBG	\$2,900,232	\$2,320,186	\$580,046	a) Construction; b) Total Project Cost = \$2,900,232 w/ \$2,900,232 of STBG funding; d) MPO score 41.06
STBG Programmed							\$11,148,703	\$8,918,962	\$2,229,741	
Total Programmed for Old Colony Region Projects*							\$11,148,703	\$8,918,962	\$2,229,741	
Program Target for Old Colony Region Projects							\$11,148,704	\$8,918,963	\$2,229,741	
Target Funds Available for Old Colony Region Projects							\$1	\$1	\$0	
Old Colony Region Total Program Summary							\$11,148,703	\$8,918,962	\$2,229,741	

**Transportation Improvement Program (TIP)
Project List (FY2022)**

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009901	Brockton Area Transit Authority	113403	BAT - TERMINAL, INTERMODAL CENTRE - Pavement Management	2020 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
5307	RTD0009907	Brockton Area Transit Authority	111240	BAT - BUY ASSOC CAP MAINT ITEMS	2020 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009899	Brockton Area Transit Authority	300901	BAT - OPERATING ASSISTANCE	2020 - \$691,856; 2021 - \$1,908,144	\$2,600,000	\$2,600,000	\$0	\$0	\$5,200,000
5307	RTD0009896	Brockton Area Transit Authority	114220	BAT - ACQUIRE - MISC SUPPORT EQUIPMENT	2020 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009900	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$355,000	\$88,750	\$0	\$0	\$443,750
5307	RTD0009897	Brockton Area Transit Authority	114211	BAT - ACQUIRE REPLACEMENT SUPPORT VEHICLE - (1)	2020 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
5307	RTD0010173	Brockton Area Transit Authority	114206	BAT - ACQUIRE SHOP EQUIPMENT Lifts and Equipment	2020 - \$320,000	\$320,000	\$80,000	\$0	\$0	\$400,000
Subtotal						\$3,671,000	\$2,867,750	\$0	\$0	\$6,538,750
5309										
Subtotal						\$0	\$0	\$0	\$0	\$0
5310										
Subtotal						\$0	\$0	\$0	\$0	\$0
5311										
Subtotal						\$0	\$0	\$0	\$0	\$0
5337										
Subtotal						\$0	\$0	\$0	\$0	\$0
5339										
5339	RTD0010409	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$395,000	\$0	\$98,750	\$0	\$395,000
Subtotal						\$395,000	\$0	\$98,750	\$0	\$395,000
5320										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Federal										
Other Federal	RTD0010410	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$450,000	\$112,500	\$0	\$0	\$562,500
Subtotal						\$450,000	\$112,500	\$0	\$0	\$562,500
Other Non-Federal										
Other Non-Federal	RTD0009918	Brockton Area Transit Authority	113206	BAT - ACQUIRE - STATIONARY BUS FARE COLL EQUIP Fixed Route		\$0	\$400,000	\$0	\$0	\$400,000
Subtotal						\$0	\$400,000	\$0	\$0	\$400,000
Total						\$4,516,000	\$3,380,250	\$98,750	\$0	\$7,896,250

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

Transportation Improvement Program (TIP)

Project List (FY2023)

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009902	Brockton Area Transit Authority	114220	Brockton Area Transit Authority / ACQUIRE - MISC SUPPORT EQUIPMENT	2021 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009903	Brockton Area Transit Authority	114211	Brockton Area Transit Authority / ACQUIRE - (1) SUPPORT VEHICLES	2021 - \$48,000	\$48,000	\$12,000	\$0	\$0	\$60,000
5307	RTD0009906	Brockton Area Transit Authority	111340	Brockton Area Transit Authority / BUY ASSOC CAP MAINT ITEMS	2021 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009919	Brockton Area Transit Authority	114402	Brockton Area Transit Authority / REHAB/RENOVATE - MAINTENANCE FACILITY	2022 - \$120,000	\$120,000	\$30,000	\$0	\$0	\$150,000
5307	RTD0009920	Brockton Area Transit Authority	113403	Brockton Area Transit Authority / TERMINAL, INTERMODAL CENTRE (TRANSIT)	2022 - \$40,000	\$40,000	\$10,000	\$0	\$0	\$50,000
5307	RTD0009908	Brockton Area Transit Authority	119202	Brockton Area Transit Authority / PURCHASE BUS SHELTERS	2022 - \$240,000	\$240,000	\$60,000	\$0	\$0	\$300,000
5307	RTD0009905	Brockton Area Transit Authority	300900	Brockton Area Transit Authority / OPERATING ASSISTANCE	2022 - \$2,106,232	\$2,700,000	\$2,700,000	\$0	\$0	\$5,400,000
5307	RTD0009904	Brockton Area Transit Authority	111202	Brockton Area Transit Authority / BUY REPLACEMENT 35-FT BUS (6)	2021 - \$1,069,438; 2022 - \$743,062	\$1,812,500	\$453,125	\$0	\$0	\$2,265,625
Subtotal						\$5,120,500	\$3,305,125	\$0	\$0	\$8,425,625
5309										
Subtotal						\$0	\$0	\$0	\$0	\$0
5310										
Subtotal						\$0	\$0	\$0	\$0	\$0
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										
Other Federal	RTD0010411	Brockton Area Transit Authority	111202	BAT - BUY REPLACEMENT 35-FT BUS (6)		\$1,087,500	\$271,875	\$0	\$0	\$1,359,375
Subtotal						\$1,087,500	\$271,875	\$0	\$0	\$1,359,375
Other Non-Federal										
Subtotal						\$0	\$0	\$0	\$0	\$0
Total						\$6,208,000	\$3,577,000	\$0	\$0	\$9,785,000

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

Transportation Improvement Program (TIP)

Project List (FY2024)

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009909	Brockton Area Transit Authority	111201	Brockton Area Transit Authority / BUY REPLACEMENT 40-FT BUS (4)	2023 - \$1,075,000	\$1,075,000	\$1,075,000	\$0	\$0	\$2,150,000
5307	RTD0009910	Brockton Area Transit Authority	111202	Brockton Area Transit Authority / BUY REPLACEMENT 35-FT BUS (2)	2023 - \$550,000	\$550,000	\$137,500	\$0	\$0	\$687,500
5307	RTD0009911	Brockton Area Transit Authority	111240	Brockton Area Transit Authority / BUY ASSOC CAP MAINT ITEMS	2023 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009912	Brockton Area Transit Authority	114206	Brockton Area Transit Authority / ACQUIRE - SHOP EQUIPMENT Sand Sweeper, Bus Washer	2023 - \$400,000	\$400,000	\$100,000	\$0	\$0	\$500,000
5307	RTD0009913	Brockton Area Transit Authority	116202	Brockton Area Transit Authority / PURCHASE COMMUNICATIONS SYSTEM	2023 - \$60,000	\$60,000	\$15,000	\$0	\$0	\$75,000
5307	RTD0009914	Brockton Area Transit Authority	113404	Brockton Area Transit Authority / REHAB/RENOVATE - BUS PARK & RIDE LOT	2023 - \$60,000	\$60,000	\$15,000	\$0	\$0	\$75,000
5307	RTD0009915	Brockton Area Transit Authority	114220	Brockton Area Transit Authority / ACQUIRE - MISC SUPPORT EQUIPMENT	2023 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009916	Brockton Area Transit Authority	114211	Brockton Area Transit Authority / ACQUIRE - SUPPORT VEHICLES (1)	2023 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
5307	RTD0009917	Brockton Area Transit Authority	300900	Brockton Area Transit Authority / OPERATING ASSISTANCE		\$2,800,000	\$2,800,000	\$0	\$0	\$5,600,000
5307	RTD0009921	Brockton Area Transit Authority	111700	Brockton Area Transit Authority / VEH OVERHAUL (UP TO 20% VEH MAINT) (4)	2023 - \$379,511	\$500,000	\$500,000	\$0	\$0	\$1,000,000
Subtotal						\$5,641,000	\$4,691,500	\$0	\$0	\$10,332,500
5309										
Subtotal						\$0	\$0	\$0	\$0	\$0
5310										
Subtotal						\$0	\$0	\$0	\$0	\$0
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										
Other Federal	RTD0010413	Brockton Area Transit Authority	111202	BAT -BUY REPLACEMENT 35-FT BUS (2)		\$330,000	\$82,500	\$0	\$0	\$412,500
Subtotal						\$330,000	\$82,500	\$0	\$0	\$412,500
Other Non-Federal										
Subtotal						\$0	\$0	\$0	\$0	\$0
Total						\$5,971,000	\$4,774,000	\$0	\$0	\$10,745,000

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

Transportation Improvement Program (TIP)

Project List (FY2025)

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009922	Brockton Area Transit Authority	111240	Brockton Area Transit Authority / BUY ASSOC CAP MAINT ITEMS	2024 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009924	Brockton Area Transit Authority	113404	Brockton Area Transit Authority / REHAB/RENOVATE - BUS PARK & RIDE LOT		\$40,000	\$10,000	\$0	\$0	\$50,000
5307	RTD0009926	Brockton Area Transit Authority	114211	Brockton Area Transit Authority / ACQUIRE - SUPPORT VEHICLES (1)		\$48,000	\$12,000	\$0	\$0	\$60,000
5307	RTD0009927	Brockton Area Transit Authority	113403	Brockton Area Transit Authority / TERMINAL, INTERMODAL (TRANSIT) - Bathrooms, OSS secure area		\$220,000	\$55,000	\$0	\$0	\$275,000
5307	RTD0009923	Brockton Area Transit Authority	111700	Brockton Area Transit Authority / VEH OVERHAUL (UP TO 20% VEH MAINT) (4)	2024 - \$220,076	\$575,000	\$575,000	\$0	\$0	\$1,150,000
5307	RTD0009928	Brockton Area Transit Authority	114220	Brockton Area Transit Authority / ACQUIRE - MISC SUPPORT EQUIPMENT & Parking System	2024 - \$160,000	\$160,000	\$40,000	\$0	\$0	\$200,000
5307	RTD0009929	Brockton Area Transit Authority	300900	Brockton Area Transit Authority / OPERATING ASSISTANCE		\$2,900,000	\$2,900,000	\$0	\$0	\$5,800,000
Subtotal						\$4,023,000	\$3,612,000	\$0	\$0	\$7,635,000
5309										
Subtotal						\$0	\$0	\$0	\$0	\$0
5310										
Subtotal						\$0	\$0	\$0	\$0	\$0
5311										
Subtotal						\$0	\$0	\$0	\$0	\$0
5337										
Subtotal						\$0	\$0	\$0	\$0	\$0
5339										
5339	RTD0009930	Brockton Area Transit Authority	115220	Brockton Area Transit Authority / PURCHASE MISC ELEC/POWER EQUIP	2024 - \$480,000	\$480,000	\$120,000	\$0	\$0	\$600,000
Subtotal						\$480,000	\$120,000	\$0	\$0	\$600,000
5320										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Federal										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Non-Federal										
Subtotal						\$0	\$0	\$0	\$0	\$0
Total						\$4,503,000	\$3,732,000	\$0	\$0	\$8,235,000

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

Transportation Improvement Program (TIP)

Project List (FY2026)

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0006991	Brockton Area Transit Authority	114405	REHAB/RENOVATE - YARDS AND SHOPS Fuel Tank Replacement		\$400,000	\$100,000	\$0	\$0	\$500,000
5307	RTD0010220	Brockton Area Transit Authority	111202	Brockton Area Transit Authority / BUY REPLACEMENT (5) 35-FT BUS Electric		\$1,975,000	\$493,750	\$0	\$0	\$2,468,750
5307	RTD0010221	Brockton Area Transit Authority	114220	Brockton Area Transit Authority / ACQUIRE - MISC SUPPORT EQUIPMENT		\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0010222	Brockton Area Transit Authority	111240	Brockton Area Transit Authority / BUY ASSOC CAP MAINT ITEMS		\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0010223	Brockton Area Transit Authority	114402	Brockton Area Transit Authority / REHAB/RENOVATE - MAINTENANCE FACILITY		\$40,000	\$10,000	\$0	\$0	\$50,000
5307	RTD0010224	Brockton Area Transit Authority	113403	Brockton Area Transit Authority / TERMINAL, INTERMODAL (TRANSIT)		\$40,000	\$10,000	\$0	\$0	\$50,000
5307	RTD0010225	Brockton Area Transit Authority	300900	Brockton Area Transit Authority / OPERATING ASSISTANCE		\$3,000,000	\$3,000,000	\$0	\$0	\$6,000,000
					Subtotal	\$5,615,000	\$3,653,750	\$0	\$0	\$9,268,750
5309										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5310										
					Subtotal	\$0	\$0	\$0	\$0	\$0
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										
Other Federal	RTD0010415	Brockton Area Transit Authority	111202	BAT - BUY REPLACEMENT (5) 35-FT BUS Electric		\$1,185,000	\$296,250	\$0	\$0	\$1,481,250
					Subtotal	\$1,185,000	\$296,250	\$0	\$0	\$1,481,250
Other Non-Federal										
					Subtotal	\$0	\$0	\$0	\$0	\$0
					Total	\$6,800,000	\$3,950,000	\$0	\$0	\$10,750,000

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

3.5 Air Quality Conformity Documentation

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

Introduction

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

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

Legislative and Regulatory Background

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

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

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

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

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

On May 21, 2012, (77 FR 30088), the final rule was published in the Federal Register, defining the 2008 NAAQS at 0.075 ppm, the standard that was promulgated in March 2008. A second rule published on May 21, 2012 (77 FR 30160), revoked the 1997 ozone NAAQS to occur one year after the July 20, 2012 effective date of the 2008 NAAQS.

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

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

Current Conformity Determination

After 2/16/19, because of the court ruling and the subsequent federal guidance, transportation conformity for the 1997 NAAQS - intended as an “anti-backsliding” measure - now applies to both of Massachusetts’ orphan areas. Therefore, a conformity determination was made for the 1997 ozone NAAQS on the 2020-2040 Long Range Transportation Plans. This conformity determination was finalized in July 2019 following each MPO’s previous endorsement of their regional transportation plan and approved by the Massachusetts Divisions of FHWA and FTA on October 15, 2019. This conformity determination continues to be valid for the Old Colony FFY 2022-2026 Transportation Improvement Program, and Massachusetts’ FFY 2022-2026 STIP, as each is developed from the conforming 2020-2040 Regional Transportation Plans.

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

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

Therefore, transportation conformity for the 1997 ozone NAAQS for the Old Colony FFY 2022-2026 Transportation Improvement Program and 2020-2040 Regional Transportation Plans can be demonstrated by showing that remaining requirements in Table 1 in 40 CFR 93.109 have been met. These requirements, which are laid out in Section 2.4 of EPA’s guidance and addressed below, include:

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

Latest Planning Assumptions:

The use of latest planning assumptions in 40 CFR 93.110 of the conformity rule generally apply to regional emissions analysis. In the 1997 ozone NAAQS areas, the use of latest planning assumptions requirement applies to assumptions about transportation control measures (TCMs) in an approved SIP (See following section on Timely Implementation of TCMs).

Consultation:

The consultation requirements in 40 CFR 93.112 were addressed both for interagency consultation and public consultation. Interagency consultation was conducted with FHWA, FTA, US EPA Region 1, MassDEP, and the Massachusetts MPOs on March 6, 2019 to discuss the latest conformity-related court rulings and

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resulting federal guidance. Regular and recurring interagency consultations have been held since on an (at least) annual schedule, with the most recent conformity consultation held on January 21, 2021. This ongoing consultation is conducted in accordance with the following:

- Massachusetts' Air Pollution Control Regulations 310 CMR 60.03 "Conformity to the State Implementation Plan of Transportation Plans, Programs, and Projects Developed, Funded or Approved Under Title 23 USC or the Federal Transit Act"
- The Commonwealth of Massachusetts Memorandum of Understanding among the Massachusetts Department of Transportation, Massachusetts Department of Environmental Protection, Massachusetts Metropolitan Planning Organizations, and Regional Transit Authorities, titled The Conduct of Air Quality Planning and Coordination for Transportation Conformity (dated September 16, 2019)

Public consultation was conducted consistent with planning rule requirements in 23 CFR 450. Title 23 CFR Section 450.324 and 310 CMR 60.03(6)(h) requires that the development of the TIP, LRTP, and related certification documents provide an adequate opportunity for public review and comment. Section 450.316(b) also establishes the outline for MPO public participation programs. The Old Colony MPO's Public Participation Plan was formally adopted in 2017. The Public Participation Plan ensures that the public will have access to the TIP/LRTP and all supporting documentation, provides for public notification of the availability of the TIP/LRTP and the public's right to review the document and comment thereon, and provides a 21-day public review and comment period prior to the adoption of the TIP/LRTP and related certification documents. The Public Participation Plan is available at: http://www.ocpcrpa.org/docs/mpo/FFY_2017_Public_Participation_Plan.pdf

The public comment period for this conformity determination commenced on April 20, 2021. During the 21-day public comment period, any comments received were incorporated into this Plan. This allowed ample opportunity for public comment and MPO review of the draft document. The public comment period will close on May 14, 2021 and subsequently, the Old Colony MPO is expected to endorse this air quality conformity determination on May 18, 2021. These procedures comply with the associated federal requirements.

Timely Implementation of Transportation Control Measures:

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

Fiscal Constraint:

Transportation conformity requirements in 40 CFR 93.108 state that TIPs and transportation plans and must be fiscally constrained consistent with DOT's metropolitan planning regulations at 23 CFR part 450. The Old Colony 2022-2026 Transportation Improvement Program and 2020-2040 Long Range Transportation Plan are fiscally constrained, as demonstrated in this document.

FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

In summary and based upon the entire process described above, the Old Colony MPO has prepared this conformity determination for the 1997 Ozone NAAQS in accordance with EPA's and Massachusetts' latest conformity regulations and guidance. This conformity determination process demonstrates that the FFY 2022-2026 Transportation Improvement Program and the 2020-2040 Regional Transportation Plan meet the Clean Air Act and Transportation Conformity Rule requirements for the 1997 Ozone NAAQS and have been prepared following all the guidelines and requirements of these rules during this time period.

Therefore, the implementation of the Old Colony MPO's FFY 2022-2026 Transportation Improvement Program and the 2020-2040 Regional Transportation Plan are consistent with the air quality goals of, and in conformity with, the Massachusetts State Implementation Plan.

FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

APPENDICES

- A. FFY 2022-2026 OLD COLONY TIP ENDORSEMENT
- B. §450.336 - SELF CERTIFICATION COMPLIANCE STATEMENT - 3C PROCESS
- C. SELF-CERTIFICATION COMPLIANCE STATEMENT - 310 CMR 60.05: GLOBAL WARMING SOLUTIONS ACT REQUIREMENTS FOR THE TRANSPORTATION SECTOR AND MASSDOT
- D. GLOSSARY OF TERMS AND ACRONYMS
- E. SYSTEM LEVEL ESTIMATE OF NEEDS AND COST FOR MAINTAINING AND OPERATING THE HIGHWAY SYSTEM
- F. OPERATIONS AND MAINTENANCE EXPENDITURES (STATEWIDE AND REGIONAL)
- G. FEDERAL REGIONAL FUNDING TARGETS AND STATEWIDE SUMMARIES
- H. TRANSPORTATION EVALUATION CRITERIA FORMS
- I. ANNUAL LISTING OF OBLIGATED (ADVERTISED) PROJECTS
- J. COMPLETED HIGHWAY AND TRANSIT PROJECTS (2015 TO PRESENT); GREENHOUSE GAS (GHG) EMISSIONS ANALYSIS
- K. FFY 2022-2026 GREENHOUSE GAS (GHG) EMISSIONS ANALYSIS
- L. FFY 2022-2026 GATRA TRANSIT ELEMENT
- M. TWENTY-ONE (21) DAY PUBLIC REVIEW - NOTICE OF AVAILABILITY AND PUBLIC COMMENTS
- N. TIP PROJECT REVISION AND DEFINITION PROCEDURES, AND APPROVED ADJUSTMENTS, ADMINISTRATIVE MODIFICATIONS, AND AMENDMENTS

APPENDIX A - FFY 2022-2026 OLD COLONY TIP ENDORSEMENT

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

ENDORSEMENT OF

FFY 2022-2026 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 May 18, 2021 hereby approve and endorse the FFY 2022-2026 Old Colony Transportation Improvement Program (TIP) in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.



Jamey Tesler, Acting Secretary and CEO
Massachusetts Department of Transportation (MassDOT);
Chair, Old Colony Metropolitan Planning Organization (OCMPO)

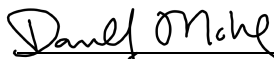
Date

**APPENDIX B - §450.336 - SELF CERTIFICATION COMPLIANCE
STATEMENT - 3C PROCESS**

23 CFR § 450.220 and 23 CFR § 450.336 - Old Colony MPO Self Certification Compliance Statement

The Old Colony Metropolitan Planning Organization certifies that its conduct of the metropolitan transportation planning process complies with all applicable requirements, which are listed below, and that this process includes activities to support the development and implementation of the Regional Long-Range Transportation Plan and Air Quality Conformity Determination, the Transportation Improvement Program and Air Quality Conformity Determination, and the Unified Planning Work Program.

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 FAST Act (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in DOT 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.
11. Anti-lobbying restrictions found in 49 USC Part 20. No appropriated funds may be expended by a recipient to influence or attempt to influence an officer or employee of any agency, or a member of Congress, in connection with the awarding of any federal contract.



Jamey Tesler, Acting Secretary and CEO
Massachusetts Department of Transportation (MassDOT)
Chair, Old Colony Metropolitan Planning Organization (OCMPO)

04/27/21

Date

**APPENDIX C - SELF-CERTIFICATION COMPLIANCE STATEMENT - 310
CMR 60.05: GLOBAL WARMING SOLUTIONS ACT REQUIREMENTS FOR
THE TRANSPORTATION SECTOR AND MASSDOT**

Certification of the Old Colony MPO Transportation Planning Process

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

This will certify that the Transportation Improvement Program and Air Quality Conformity Determination for the Old Colony Long Range Transportation Plan 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 MPO to:

1. 310 CMR 60.05, 5(a)(1): Evaluate and report the aggregate transportation GHG emissions and impacts of RTPs and TIPs;
2. 310 CMR 60.05, 5(a)(2): In consultation with MassDOT, develop and utilize procedures to prioritize and select projects in RTPs and TIPs based on factors that include aggregate transportation GHG emissions impacts;
3. 310 CMR 60.05, 5(a)(3): Quantify net transportation GHG emissions impacts resulting from the projects in RTPs and TIPs and certify in a statement included with RTPs and TIPs pursuant to 23 CFR Part 450 that the MPO has made efforts to minimize aggregate transportation GHG emissions impacts;
4. 310 CMR 60.05, 5(a)(4): Determine in consultation with the RPA that the appropriate planning assumptions used for transportation 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, 8(a)(2)(a): Develop RTPs and TIPs;
6. 310 CMR 60.05, 8(a)(2)(b): Ensure that RPAs are using appropriate planning assumptions;
7. 310 CMR 60.05, 8(a)(2)(c): Perform regional aggregate transportation GHG emissions analysis of RTPs and TIPs;
8. 310 CMR 60.05, 8(a)(2)(d): Calculate aggregate transportation GHG emissions for RTPs and TIPs;
9. 310 CMR 60.05, 8(a)(2)(e): Develop public consultation procedures for aggregate transportation GHG reporting and related GWSA requirements consistent with current and approved regional public participation plans;
10. 310 CMR 60.05, 8(c): Prior to making final endorsements on the RTPs, TIPs, STIPs, and projects included in these plans, MassDOT and the MPOs shall include the aggregate transportation GHG emission impact assessment in RTPs, TIPs, and STIPs and provide an opportunity for public review and comment on the RTPs, TIPs, and STIPs; and
11. 310 CMR 60.05, 8(a)(1)(c): 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.



Jamey Tesler, Acting Secretary and CEO
Massachusetts Department of Transportation (MassDOT);
Chair, Old Colony Metropolitan Planning Organization (OCMPO)

Date

APPENDIX D - GLOSSARY OF TERMS AND ACRONYMS

GLOSSARY OF TERMS AND ACRONYMS

List of Acronyms

3C:	Comprehensive, Cooperative, and Continuing Planning Process
ADA:	Americans with Disabilities Act
BAT:	Brockton Area Transit Authority
CAAA:	Clean Air Act Amendments of 1990
CIP:	Capital Investment Plan
CMAQ:	Congestion Mitigation and Air Quality Improvement Program
CMP:	Congestion Management Process
CTGP:	Community Transit Grant Program
DEP:	Department of Environmental Protection
EIR:	Environmental Impact Report
EJ:	Environmental Justice
ENF:	Environmental Notification Form
EPA:	Environmental Protection Agency
FAST ACT:	Fixing America’s Surface Transportation Act
FHWA:	Federal Highway Administration
FTA:	Federal Transit Administration
GATRA:	Greater Attleboro-Taunton Regional Transit Authority
GHG:	Greenhouse Gases
GWSA:	Global Warming Solutions Act
HPMS:	Highway Performance Monitoring System
HSIP:	Highway Safety Improvement Program
IRI:	International Roughness Index
JTC:	Joint Transportation Committee
LAP:	Language Access Plan
LEP:	Limited English Proficient
LOS:	Level of Service
LRTP:	Long Range Transportation Plan
MCAD:	Massachusetts Commission Against Discrimination
MAP:	Mobility Assistance Program
MARPA:	Massachusetts Association of Regional Planning Agencies
MassDOT:	Massachusetts Department of Transportation
MBTA:	Massachusetts Bay Transportation Authority
MOU:	Memorandum of Understanding
MPO:	Metropolitan Planning Organization
NAAQS:	National Ambient Air Quality Standards
NBIS:	National Bridge Inventory Standards
NFA:	Non-Federal Aid
NFP:	National Freight Program
NHPP:	National Highway Performance Program

NHS:	National Highway System
NOx:	Nitrogen Oxides
O&M:	Operations and Maintenance
P&B:	Plymouth and Brockton Street Railway Company
PM1:	Safety Performance Measures
PM2:	System Preservation Performance Measures
PM3:	System Performance Measures (Congestion, Reliability, and Emissions)
PMS:	Pavement Management System
POP:	Programming of Projects
PPP:	Public Participation Plan
PRC:	Project Review Committee
PSI:	Pavement Serviceability Index
PTASP:	Public Transit Agency Safety Plan
SGR:	State of Good Repair
SIP:	State Implementation Plan
SMS:	Safety Management System
SOV:	Single Occupant Vehicle
SSCAC:	South Shore Community Action Council
STBG:	Surface Transportation Block Grant Program
TAM	Transit Asset Management
TAMP	Transportation Asset Management Plan
TAN:	Transportation Advisory Network
TAP:	Transportation Alternatives Program
TCM:	Transportation Control Measure
TEC:	Transportation Evaluation Criteria
TERM:	Transit Economic Requirements Model
TIP:	Transportation Improvement Program
TITLE VI:	Title VI of the Civil Rights Act of 1964, 42 U.S.C. 2000d
TMA:	Transportation Management Area
ULB:	Useful Life Benchmark
VMT:	Vehicle Miles Traveled
VOCs:	Volatile Organic Compounds

**APPENDIX E - SYSTEM LEVEL ESTIMATE OF NEEDS AND COST FOR
MAINTAINING AND OPERATING THE HIGHWAY SYSTEM**

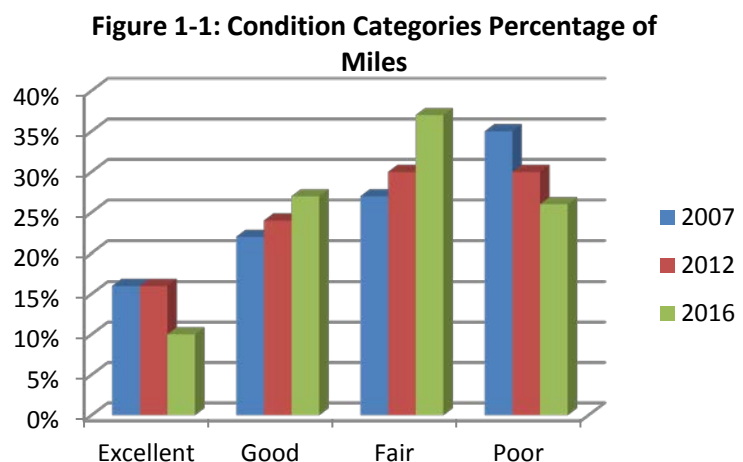
System Level Estimate of Needs and Cost for Maintaining and Operating the Highway System

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



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.

APPENDIX F - OPERATIONS AND MAINTENANCE EXPENDITURES

Operating and Maintenance Expenditures as of April 2021						
Statewide and District Contracts plus Expenditures within MPO boundaries						
Program Group/Sub Group	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending	Est SFY 2024 Spending	Est SFY 2025 Spending	
Part 1: Non Federal Aid						
Section I Non Federal Aid Maintenance Projects State Bondfunds						
01 - ADA Retrofits						
New Sidewalks and Curbing	\$ 374,915	\$ 77,526	\$ 115,304	\$ 38,435	\$ -	
02 - Bicycles and pedestrians program						
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -	
03 Bridge						
Bridge Maintenance	\$ 50,530,642	\$ 38,042,142	\$ 17,926,495	\$ 2,636,969	\$ -	
Bridge Maintenance - Deck Repairs	\$ 8,768,432	\$ 6,573,425	\$ 3,751,868	\$ 1,656,076	\$ 155,826	
Bridge Maintenance - Joints	\$ 1,155,000	\$ 2,287,026	\$ 1,516,850	\$ 460,985	\$ 71,388	
Bridge Preservation	\$ 4,252,063	\$ 4,518,597	\$ 1,646,318	\$ -	\$ -	
Bridge Reconstruction/Rehab	\$ -	\$ 175,570	\$ 526,709	\$ 526,709	\$ 43,892	
Drawbridge Maintenance	\$ 7,557,601	\$ 6,380,659	\$ 2,434,718	\$ -	\$ -	
Painting - Structural	\$ 6,641,700	\$ 5,373,228	\$ 542,013	\$ -	\$ -	
Structures Maintenance	\$ 1,828,780	\$ 225,000	\$ 130,601	\$ -	\$ -	
04 - Capacity						
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -	
05 - Facilities						
Vertical Construction (Ch 149)	\$ 10,306,212	\$ 3,605,059	\$ 2,272,733	\$ 695,293	\$ -	
07 - Intersection Improvements						
Traffic Signals	\$ 3,023,006	\$ 2,194,146	\$ 444,178	\$ 144,000	\$ -	
08 - Interstate Pavement						
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -	
09 - Intelligent Transportation Systems Program						
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -	
10 - Non interstate DOT Pavement Program						
Milling and Cold Planing	\$ -	\$ 489,886	\$ 839,805	\$ 209,951	\$ -	
Resurfacing	\$ 10,466,353	\$ 4,796,360	\$ 3,271,364	\$ 696,316	\$ -	
Resurfacing DOT Owned Non-Interstate	\$ 8,495,515	\$ 3,639,973	\$ 1,657,155	\$ -	\$ -	
11 - Roadway Improvements						
Asbestos Removal	\$ -	\$ 1,246,592	\$ -	\$ -	\$ -	
Catch Basin Cleaning	\$ 1,786,357	\$ 1,529,801	\$ 1,350,344	\$ 285,946	\$ -	
Contract Highway Maintenance	\$ 4,636,076	\$ 2,012,347	\$ 634,879	\$ 69,639	\$ -	
Crack Sealing	\$ 2,415,593	\$ 1,371,677	\$ 425,506	\$ -	\$ -	
Culvert Maintenance	\$ 496,297	\$ 588,151	\$ -	\$ -	\$ -	
Culvert Reconstruction/Rehab	\$ 444,173	\$ -	\$ -	\$ -	\$ -	
Drainage	\$ 8,178,326	\$ 5,030,169	\$ 3,473,204	\$ 524,839	\$ -	
Guard Rail & Fencing	\$ 6,443,072	\$ 2,462,423	\$ 1,440,851	\$ 425,823	\$ -	
Highway Sweeping	\$ 973,750	\$ 1,128,020	\$ 1,224,735	\$ 160,245	\$ -	
Landscaping	\$ 799,028	\$ -	\$ -	\$ -	\$ -	
Mowing and Spraying	\$ 2,705,380	\$ 2,790,093	\$ 1,240,827	\$ 126,229	\$ -	
Sewer and Water	\$ 11,200	\$ 583	\$ 1,100	\$ 733	\$ -	
Tree Trimming	\$ 3,834,965	\$ 3,443,210	\$ 2,634,418	\$ 449,600	\$ -	
12 - Roadway Reconstruction						
Hwy Reconstr - Restr and Rehab	\$ 2,402,766	\$ 558,020	\$ 222,630	\$ -	\$ -	
13 - Safety Improvements						
Electrical	\$ 1,026,290	\$ 262,366	\$ -	\$ -	\$ -	
Impact Attenuators	\$ 823,156	\$ 870,993	\$ 1,086,817	\$ 634,834	\$ 254,897	
Lighting	\$ 2,163,221	\$ 1,881,231	\$ 421,297	\$ 81,000	\$ -	
Pavement Marking	\$ 3,757,747	\$ 3,227,399	\$ 983,304	\$ 194,783	\$ -	
Safety Improvements	\$ 619,617	\$ 225,000	\$ 33,595	\$ -	\$ -	
Sign Installation/Upgrading	\$ 249,246	\$ 361,674	\$ 498,880	\$ 227,526	\$ -	
Structural Signing	\$ 773,069	\$ 237,152	\$ 119,607	\$ -	\$ -	
Section I Total:	\$ 157,939,547	\$ 107,605,498	\$ 52,868,105	\$ 10,245,930	\$ 526,003	
Section II Non Federal Aid Highway Operations State Operating Budget Funding						
Snow and Ice Operations & Materials						
	\$ 73,700,000	\$ 45,000,000	\$ 45,000,000	\$ 45,000,000	\$ 45,000,000	
District Maintenance Payroll						
Mowing, Litter Mgmt, Sight Distance Clearing, Etc.	\$ 33,575,810	\$ 34,583,084	\$ 35,620,577	\$ 36,689,194	\$ 37,789,870	
Section II Total:	\$ 107,275,810	\$ 79,583,084	\$ 80,620,577	\$ 81,689,194	\$ 82,789,870	
Grand Total NFA:	\$ 265,215,357	\$ 187,188,583	\$ 133,488,682	\$ 91,935,124	\$ 83,315,873	

Operating and Maintenance Expenditures as of April 2021

Statewide and District Contracts plus Expenditures within MPO boundaries

Program Group/Sub Group	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending	Est SFY 2024 Spending	Est SFY 2025 Spending
Part 2: Federal Aid					
Section I - Federal Aid Maintenance Projects					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ 25,063	\$ -	\$ -	\$ -	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 Bridge					
Bridge Maintenance	\$ 1,278,445	\$ 3,428,044	\$ 770,671	\$ 2,357,142	\$ -
Bridge Maintenance - Deck Repairs	\$ -	\$ -	\$ -	\$ 265,653	\$ 243,515
Bridge Maintenance - Joints	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Preservation	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Painting - Structural	\$ 2,337,724	\$ 2,748,097	\$ 276,981	\$ -	\$ -
Structures Maintenance	\$ 374,553	\$ -	\$ -	\$ -	\$ -
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
05 Facilities					
Vertical Construction (Ch 149)	\$ -	\$ -	\$ -	\$ -	\$ -
07 Intersection Improvements					
Traffic Signals	\$ 5,391	\$ -	\$ -	\$ -	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -
10 - Non interstate DOT Pavement Program					
Milling and Cold Planing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing DOT Owned Non-Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
11 - Roadway Improvements					
Asbestos Removal	\$ -	\$ -	\$ -	\$ -	\$ -
Catch Basin Cleaning	\$ -	\$ -	\$ -	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Crack Sealing	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drainage	\$ 102,976	\$ -	\$ -	\$ -	\$ -
Guard Rail & Fencing	\$ -	\$ -	\$ -	\$ -	\$ -
Highway Sweeping	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -
Mowing and Spraying	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer and Water	\$ -	\$ -	\$ -	\$ -	\$ -
Tree Trimming	\$ -	\$ -	\$ -	\$ -	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - Restr and Rehab	\$ 463	\$ -	\$ -	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ -	\$ -	\$ -	\$ -	\$ -
Impact Attenuators	\$ -	\$ -	\$ -	\$ -	\$ -
Lighting	\$ 6,701,881	\$ 5,667,317	\$ 1,142,516	\$ 10,155	\$ -
Pavement Marking	\$ -	\$ -	\$ -	\$ -	\$ -
Safety Improvements	\$ -	\$ -	\$ -	\$ -	\$ -
Sign Installation/Upgrading	\$ 795,825	\$ -	\$ -	\$ -	\$ -
Structural Signing	\$ 858,527	\$ 180,823	\$ -	\$ -	\$ -
Section I Total:	\$ 12,480,848	\$ 12,024,280	\$ 2,190,167	\$ 2,632,950	\$ 243,515
Grand Total Federal Aid:	\$ 12,480,848	\$ 12,024,280	\$ 2,190,167	\$ 2,632,950	\$ 243,515

Operating and Maintenance Expenditures as of April 2021

Program Group/Sub Group	Statewide and District Contracts				
	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending	Est SFY 2024 Spending	Est SFY 2025 Spending
Part 1: Non Federal Aid					
Section I Non Federal Aid Maintenance Projects State Bondfunds					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ 374,915	\$ 77,526	\$ 115,304	\$ 38,435	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 - Bridge					
Bridge Maintenance	\$ 43,428,981	\$ 26,794,121	\$ 16,077,531	\$ 2,636,969	\$ -
Bridge Maintenance - Deck Repairs	\$ 8,768,432	\$ 6,573,425	\$ 3,751,868	\$ 1,656,076	\$ 155,826
Bridge Maintenance - Joints	\$ 1,155,000	\$ 2,287,026	\$ 1,516,850	\$ 460,985	\$ 71,388
Bridge Preservation	\$ 2,493,922	\$ 600,348	\$ -	\$ -	\$ -
Bridge Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ 7,557,601	\$ 6,380,659	\$ 2,434,718	\$ -	\$ -
Painting - Structural	\$ 5,297,610	\$ 4,630,975	\$ 542,013	\$ -	\$ -
Structures Maintenance	\$ 1,828,780	\$ 225,000	\$ 130,601	\$ -	\$ -
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
05 - Facilities					
Vertical Construction (Ch 149)	\$ 4,291,871	\$ 2,605,059	\$ 2,272,733	\$ 695,293	\$ -
07 - Intersection Improvements					
Traffic Signals	\$ 3,023,006	\$ 2,194,146	\$ 444,178	\$ 144,000	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 - Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -
10 - Non interstate DOT Pavement Program					
Milling and Cold Planing	\$ -	\$ 489,886	\$ 839,805	\$ 209,951	\$ -
Resurfacing	\$ 10,466,353	\$ 4,796,360	\$ 3,271,364	\$ 696,316	\$ -
Resurfacing DOT Owned Non-Interstate	\$ 4,792,047	\$ 3,639,973	\$ 1,657,155	\$ -	\$ -
11 - Roadway Improvements					
Asbestos Removal	\$ -	\$ -	\$ -	\$ -	\$ -
Catch Basin Cleaning	\$ 1,786,357	\$ 1,529,801	\$ 1,350,344	\$ 285,946	\$ -
Contract Highway Maintenance	\$ 4,636,076	\$ 2,012,347	\$ 634,879	\$ 69,639	\$ -
Crack Sealing	\$ 2,415,593	\$ 1,371,677	\$ 425,506	\$ -	\$ -
Culvert Maintenance	\$ 496,297	\$ 588,151	\$ -	\$ -	\$ -
Culvert Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drainage	\$ 8,098,326	\$ 4,940,500	\$ 3,473,204	\$ 524,839	\$ -
Guard Rail & Fencing	\$ 6,443,072	\$ 2,462,423	\$ 1,440,851	\$ 425,823	\$ -
Highway Sweeping	\$ 973,750	\$ 1,128,020	\$ 1,224,735	\$ 160,245	\$ -
Landscaping	\$ 799,028	\$ -	\$ -	\$ -	\$ -
Mowing and Spraying	\$ 2,705,380	\$ 2,790,093	\$ 1,240,827	\$ 126,229	\$ -
Sewer and Water	\$ 11,200	\$ 583	\$ 1,100	\$ 733	\$ -
Tree Trimming	\$ 3,834,965	\$ 3,443,210	\$ 2,634,418	\$ 449,600	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - Restr and Rehab	\$ 2,402,766	\$ 558,020	\$ 222,630	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ 1,026,290	\$ 262,366	\$ -	\$ -	\$ -
Impact Attenuators	\$ 823,156	\$ 870,993	\$ 1,086,817	\$ 634,834	\$ 254,897
Lighting	\$ 2,163,221	\$ 1,881,231	\$ 421,297	\$ 81,000	\$ -
Pavement Marking	\$ 3,757,747	\$ 3,227,399	\$ 983,304	\$ 194,783	\$ -
Safety Improvements	\$ 619,617	\$ 225,000	\$ 33,595	\$ -	\$ -
Sign Installation/Upgrading	\$ 249,246	\$ 361,674	\$ 498,880	\$ 227,526	\$ -
Structural Signing	\$ 773,069	\$ 237,152	\$ 119,607	\$ -	\$ -
Section I Total:	\$ 137,493,673	\$ 89,185,143	\$ 48,846,114	\$ 9,719,221	\$ 482,110
Section II Non Federal Aid Highway Operations State Operating Budget Funding					
Snow and Ice Operations & Materials					
	\$ 73,700,000	\$ 45,000,000	\$ 45,000,000	\$ 45,000,000	\$ 45,000,000
District Maintenance Payroll					
Mowing, Litter Mgmt, Sight Distance Clearing, Etc.	\$ 33,575,810	\$ 34,583,084	\$ 35,620,577	\$ 36,689,194	\$ 37,789,870
Section II Total:	\$ 107,275,810	\$ 79,583,084	\$ 80,620,577	\$ 81,689,194	\$ 82,789,870
Grand Total NFA:	\$ 244,769,483	\$ 168,768,228	\$ 129,466,691	\$ 91,408,415	\$ 83,271,980

Operating and Maintenance Expenditures as of April 2021

Statewide and District Contracts					
Program Group/Sub Group	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending	Est SFY 2024 Spending	Est SFY 2025 Spending
Part 2: Federal Aid					
Section I - Federal Aid Maintenance Projects					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ 25,063	\$ -	\$ -	\$ -	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 Bridge					
Bridge Maintenance	\$ 461,411	\$ 2,340,702	\$ 770,671	\$ -	\$ -
Bridge Maintenance - Deck Repairs	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Maintenance - Joints	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Preservation	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Painting - Structural	\$ 2,336,224	\$ 2,748,097	\$ 276,981	\$ -	\$ -
Structures Maintenance	\$ 112,207	\$ -	\$ -	\$ -	\$ -
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
05 Facilities					
Vertical Construction (Ch 149)	\$ -	\$ -	\$ -	\$ -	\$ -
07 Intersection Improvements					
Traffic Signals	\$ 5,391	\$ -	\$ -	\$ -	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -
10 - Non interstate DOT Pavement Program					
Milling and Cold Planing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing DOT Owned Non-Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
11 - Roadway Improvements					
Asbestos Removal	\$ -	\$ -	\$ -	\$ -	\$ -
Catch Basin Cleaning	\$ -	\$ -	\$ -	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Crack Sealing	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drainage	\$ 102,976	\$ -	\$ -	\$ -	\$ -
Guard Rail & Fencing	\$ -	\$ -	\$ -	\$ -	\$ -
Highway Sweeping	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -
Mowing and Spraying	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer and Water	\$ -	\$ -	\$ -	\$ -	\$ -
Tree Trimming	\$ -	\$ -	\$ -	\$ -	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - Restr and Rehab	\$ 463	\$ -	\$ -	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ -	\$ -	\$ -	\$ -	\$ -
Impact Attenuators	\$ -	\$ -	\$ -	\$ -	\$ -
Lighting	\$ -	\$ -	\$ -	\$ -	\$ -
Pavement Marking	\$ -	\$ -	\$ -	\$ -	\$ -
Safety Improvements	\$ -	\$ -	\$ -	\$ -	\$ -
Sign Installation/Upgrading	\$ 124,116	\$ -	\$ -	\$ -	\$ -
Structural Signing	\$ 858,527	\$ 180,823	\$ -	\$ -	\$ -
Section I Total:	\$ 4,026,377	\$ 5,269,622	\$ 1,047,651	\$ -	\$ -
Grand Total Federal Aid:	\$ 4,026,377	\$ 5,269,622	\$ 1,047,651	\$ -	\$ -

Operating and Maintenance Expenditures as of April 2021

Program Group/Sub Group	Old Colony				
	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending	Est SFY 2024 Spending	Est SFY 2025 Spending
Part 1: Non Federal Aid					
Section I Non Federal Aid Maintenance Projects State Bondfunds					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ -	\$ -	\$ -	\$ -	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 - Bridge					
Bridge Maintenance	\$ 1,561,111	\$ 1,382,524	\$ -	\$ -	\$ -
Bridge Maintenance - Deck Repairs	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Maintenance - Joints	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Preservation	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Painting - Structural	\$ -	\$ -	\$ -	\$ -	\$ -
Structures Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
05 - Facilities					
Vertical Construction (Ch 149)	\$ -	\$ -	\$ -	\$ -	\$ -
07 - Intersection Improvements					
Traffic Signals	\$ -	\$ -	\$ -	\$ -	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 - Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -
10 - Non interstate DOT Pavement Program					
Milling and Cold Planing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing DOT Owned Non-Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
11 - Roadway Improvements					
Asbestos Removal	\$ -	\$ -	\$ -	\$ -	\$ -
Catch Basin Cleaning	\$ -	\$ -	\$ -	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Crack Sealing	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drainage	\$ -	\$ -	\$ -	\$ -	\$ -
Guard Rail & Fencing	\$ -	\$ -	\$ -	\$ -	\$ -
Highway Sweeping	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -
Mowing and Spraying	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer and Water	\$ -	\$ -	\$ -	\$ -	\$ -
Tree Trimming	\$ -	\$ -	\$ -	\$ -	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - Restr and Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ -	\$ -	\$ -	\$ -	\$ -
Impact Attenuators	\$ -	\$ -	\$ -	\$ -	\$ -
Lighting	\$ -	\$ -	\$ -	\$ -	\$ -
Pavement Marking	\$ -	\$ -	\$ -	\$ -	\$ -
Safety Improvements	\$ -	\$ -	\$ -	\$ -	\$ -
Sign Installation/Upgrading	\$ -	\$ -	\$ -	\$ -	\$ -
Structural Signing	\$ -	\$ -	\$ -	\$ -	\$ -
Section I Total:	\$ 1,561,111	\$ 1,382,524	\$ -	\$ -	\$ -
Section II Non Federal Aid Highway Operations State Operating Budget Funding					
Snow and Ice Operations & Materials					
	\$ -	\$ -	\$ -	\$ -	\$ -
District Maintenance Payroll					
Mowing, Litter Mgmt, Sight Distance Clearing, Etc.	\$ -	\$ -	\$ -	\$ -	\$ -
Section II Total:	\$ -	\$ -	\$ -	\$ -	\$ -
Grand Total NFA:	\$ 1,561,111	\$ 1,382,524	\$ -	\$ -	\$ -

Operating and Maintenance Expenditures as of April 2021

Program Group/Sub Group	Old Colony				
	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending	Est SFY 2024 Spending	Est SFY 2025 Spending
Part 2: Federal Aid					
Section I - Federal Aid Maintenance Projects					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ -	\$ -	\$ -	\$ -	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 Bridge					
Bridge Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Maintenance - Deck Repairs	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Maintenance - Joints	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Preservation	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Painting - Structural	\$ -	\$ -	\$ -	\$ -	\$ -
Structures Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
05 Facilities					
Vertical Construction (Ch 149)	\$ -	\$ -	\$ -	\$ -	\$ -
07 Intersection Improvements					
Traffic Signals	\$ -	\$ -	\$ -	\$ -	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -
10 - Non interstate DOT Pavement Program					
Milling and Cold Planing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing DOT Owned Non-Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
11 - Roadway Improvements					
Asbestos Removal	\$ -	\$ -	\$ -	\$ -	\$ -
Catch Basin Cleaning	\$ -	\$ -	\$ -	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Crack Sealing	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Culvert Reconstruction/Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
Drainage	\$ -	\$ -	\$ -	\$ -	\$ -
Guard Rail & Fencing	\$ -	\$ -	\$ -	\$ -	\$ -
Highway Sweeping	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -
Mowing and Spraying	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer and Water	\$ -	\$ -	\$ -	\$ -	\$ -
Tree Trimming	\$ -	\$ -	\$ -	\$ -	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - Restr and Rehab	\$ -	\$ -	\$ -	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ -	\$ -	\$ -	\$ -	\$ -
Impact Attenuators	\$ -	\$ -	\$ -	\$ -	\$ -
Lighting	\$ -	\$ -	\$ -	\$ -	\$ -
Pavement Marking	\$ -	\$ -	\$ -	\$ -	\$ -
Safety Improvements	\$ -	\$ -	\$ -	\$ -	\$ -
Sign Installation/Upgrading	\$ -	\$ -	\$ -	\$ -	\$ -
Structural Signing	\$ -	\$ -	\$ -	\$ -	\$ -
Section I Total:	\$	\$	\$	\$	\$
Grand Total NFA:	\$	\$	\$	\$	\$

Brockton Area Transit Authority

Operations and Maintenance Summary Table

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	Previous	Year One	Year Two	Year Three	Year Four	Year Five
	Actual 2020	Budget 2021	Draft Budget 2022	Program Preview 2023	2024	2025	2026
Farebox	\$ 2,015,862	\$ 3,084,750	\$ 1,562,500	\$ 1,641,866	\$ 1,927,356	\$ 2,387,343	\$ 2,783,295
Federal Grants	\$ 2,137,478	\$ 3,340,422	\$ 4,143,983	\$ 4,616,887	\$ 4,385,618	\$ 3,998,353	\$ 3,769,542
Service Contracts *	\$ 934,947	\$ 885,000	\$ 754,400	\$ 877,032	\$ 898,958	\$ 1,014,035	\$ 1,039,386
MassDOT Discretionary Grant and/or Workforce Training	\$ 315,800	\$ 200,000	\$ 397,000	\$ 200,000	\$ 300,000	\$ 300,000	\$ 300,000
Auxiliary Revenue	\$ 192,177	\$ 136,600	\$ 150,000	\$ 196,140	\$ 189,838	\$ 194,584	\$ 199,449
Interest Income	\$ 58,133	\$ 65,000	\$ 45,000	\$ 68,959	\$ 70,683	\$ 72,450	\$ 74,261
State Contract Assistance **	\$ 7,408,906	\$ 7,706,966	\$ 7,679,767	\$ 8,097,131	\$ 8,270,269	\$ 8,477,026	\$ 8,688,951
Local Assessment	\$ 3,123,573	\$ 3,263,662	\$ 3,382,454	\$ 3,428,885	\$ 3,514,607	\$ 3,602,472	\$ 3,692,534
TOTAL	\$ 16,186,876	\$ 18,682,400	\$ 18,115,104	\$ 19,126,900	\$ 19,557,329	\$ 20,046,262	\$ 20,547,418
Operating Expenses ***	Previous	Previous	Draft	Year Two	Year Three	Year Four	Year Five
	2021	2021	2022	2023	2024	2025	2026
TOTAL (See Description Below)	\$ 16,186,876	\$ 18,682,400	\$ 18,115,104	\$ 19,126,900	\$ 19,557,329	\$ 20,046,262	\$ 20,547,418

Footnotes:

* Service Contracts refers to contract work such as Human Service Agencies and BSU

** 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.

APPENDIX G - FEDERAL REGIONAL FUNDING TARGETS AND STATEWIDE SUMMARIES

**FFY 2022–2026 STIP #
2022–2026 Regional Target Budgets (DRAFT) #**

	2021 Current Obligation authority (federal aid only)	2021 Proposed Obligation authority (87.7%)	2022 Current Obligation authority (federal aid only)	2022 Proposed Obligation authority (91%)*	2023 Current Obligation authority (federal aid only)	2023 Proposed Obligation authority (91%)*	2024 Current Obligation authority (federal aid only)	2024 Proposed Obligation authority (91%)*	2025 Current Obligation authority (federal aid only)	2025 Proposed Obligation authority (91%)*
Apportionment	\$ 683,012,998.64	\$ 664,877,512.00	\$ 697,256,952.71	\$ 678,743,257.99	\$ 711,797,958.57	\$ 692,898,168.39	\$ 726,642,211.10	\$ 707,348,273.60	\$ 741,796,034.39	\$ 722,099,729.79
Base obligation authority	\$ 621,541,829.00	\$ 583,320,922.00	\$ 634,503,827.00	\$ 617,656,364.77	\$ 647,736,142.00	\$ 630,537,333.00	\$ 661,244,412.00	\$ 643,686,928.98	\$ 675,034,391.00	\$ 657,110,754.11
Planned redistribution request	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00	\$ 50,000,000.00
Total estimated funding available	\$ 671,541,829.00	\$ 633,320,922.00	\$ 684,503,827.00	\$ 667,656,364.77	\$ 697,736,142.00	\$ 680,537,333.00	\$ 711,244,412.00	\$ 693,686,928.98	\$ 725,034,391.00	\$ 707,110,754.11
ABP GANS Repayment	\$ (82,375,000.00)	\$ (82,375,000.00)	\$ (86,470,000.00)	\$ (86,470,000.00)	\$ (89,510,000.00)	\$ (89,510,000.00)	\$ (93,985,000.00)	\$ (93,985,000.00)	\$ (122,185,000.00)	\$ (122,185,000.00)
Total non-earmarked funding available	\$ 589,166,829.00	\$ 550,945,922.00	\$ 598,033,827.00	\$ 581,186,364.77	\$ 608,226,142.00	\$ 591,027,333.00	\$ 617,259,412.00	\$ 599,701,928.98	\$ 602,849,391.00	\$ 584,925,754.11
Funding for Regional Priorities**	\$ 194,665,923.26	\$ 194,665,923.26	\$ 198,629,796.33	\$ 198,629,796.33	\$ 202,968,036.19	\$ 202,968,036.19	\$ 205,628,283.96	\$ 205,628,283.96	\$ 200,827,858.00	\$ 200,827,858.00
Highway Division Programs***	\$ 394,500,905.74	\$ 356,279,998.74	\$ 399,404,030.67	\$ 382,556,568.45	\$ 405,258,105.81	\$ 388,059,296.81	\$ 411,631,128.04	\$ 394,073,645.01	\$ 402,021,533.00	\$ 384,097,896.11
			Delta (FA)	\$ (16,847,462.23)		\$ (17,198,809.00)		\$ (17,557,483.02)		\$ (17,923,636.89)
			Delta (TFPC)	\$ (21,059,327.78)		\$ (21,498,511.25)		\$ (21,946,853.78)		\$ (22,404,546.11)

	2026 Proposed Obligation authority (91%)*
Base obligation authority	\$ 670,814,528
Planned redistribution request	\$ 50,000,000
Total estimated funding available	\$ 720,814,528
ABP GANS Repayment	\$ (133,620,000)

*Base Obligation Authority based on 2.1% growth rate from actual FFY 2021 apportionment and average of Fast Act Obligation Authority (91%) through FFY 2020

**MPO TIP targets will be held harmless from the change in proposed Obligation Authority

***MassDOT Highway Division programs are being revised based on new ABP GANS schedule and proposed Obligation Authority

Total non-earmarked funding available regional share %	MPO	Total funding
3.5596%	Berkshire	\$ 6,963,031
42.9671%	Boston	\$ 84,049,120
4.5851%	Cape Cod	\$ 8,969,040
8.6901%	Central Mass	\$ 16,998,942
2.5397%	Franklin	\$ 4,967,977
0.3100%	Martha's Vineyard	\$ 606,399
4.4296%	Merrimack Valley	\$ 8,664,862
4.4596%	Montachusett	\$ 8,723,546
0.2200%	Nantucket	\$ 430,348
3.9096%	Northern Middlesex	\$ 7,647,676
4.5595%	Old Colony	\$ 8,918,963
10.8099%	Pioneer Valley	\$ 21,145,541
8.9601%	Southeastern Mass	\$ 17,527,097
	Funding for Regional Priorities	\$ 195,612,737.16
	Highway Division Programs	\$ 391,581,790.41

APPENDIX H - TRANSPORTATION EVALUATION CRITERIA (TEC) FORMS

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"/>
						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"/>	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"/>

**APPENDIX I - ANNUAL LISTING OF OBLIGATED (ADVERTISED)
PROJECTS**

Annual List of Obligated Projects - Advertised Projects (FFY 2021)

COMMUNITY	ID	ADVERTISED	DESCRIPTION	TOTAL COST	FEDERAL	STATE
AVON	608086	1/30/2021	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	\$ 4,969,007	\$ 3,975,206	\$ 993,801
EASTON	607217	11/7/2020	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION FROM NEWELL CIRCLE TO ROUTE 138	\$ 10,502,923	\$ 8,402,338	\$ 2,100,585
STOUGHTIN	608829	5/29/2021	STOUGHTON - IMPROVEMENTS AT RICHARD WILKINS ELEMENTARY SCHOOL (SRTS)	\$ 4,650,151	\$ 3,720,121	\$ 930,030
			Total Cost of Projects:	\$ 20,122,081	\$ 16,097,665	\$ 4,024,416

APPENDIX J - COMPLETED HIGHWAY AND TRANSIT PROJECTS (2015 TO PRESENT; GREENHOUSE GAS (GHG) EMISSIONS ANALYSIS)

Old Colony Region Transportation Improvement Program

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼	Fiscal Year of Contract Award (2015 and forward) ▼
603660	BRIDGEWATER- SIGNAL & INTERSECTION IMPROVEMENTS AT STATE ROUTE 18 & HIGH STREET	\$ 1,259,683	Quantified	94,020.393	Quantified Decrease in Emissions from Traffic Operational Improvement		2015
601644	BROCKTON- RESURFACING & RELATED WORK ON WEST ELM STREET, FROM WARREN AVENUE TO WEST STREET (6,800 FT.)	\$ 5,022,800	Quantified	358,738.067	Quantified Decrease in Emissions from Traffic Operational Improvement		2015
606071	EASTON- SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 138 (TURNPIKE STREET) AND ROUTE 106 (FOUNDRY STREET)	\$ 1,377,744	Quantified	59,301.843	Quantified Decrease in Emissions from Traffic Operational Improvement		2015
604957	PEMBROKE- RECONSTRUCTION ON ROUTE 14, FROM THE HANSON T.L. TO WASHINGTON STREET (ROUTE 53) AC PHASE 1 OF 2	\$ 9,188,746	Quantified	729.893	Quantified Decrease in Emissions from Traffic Operational Improvement		2016
608085	AVON - INSTALLATION OF A MEDIAN BARRIER ON HARRISON BOULEVARD	\$ 2,305,120	Quantified	989,860.450	Quantified Decrease in Emissions from Traffic Operational Improvement		2016
606036	BROCKTON - SIGNAL & INTERSECTION IMPROVEMENTS @ ROUTE 123 (BELMONT STREET)/LINWOOD STREET/ LORRAINE AVENUE	\$ 4,646,985	Quantified	73,162.015	Quantified Decrease in Emissions from Other Improvements		2016
607175	PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	\$ 15,745,980	Qualitative		Qualitative Decrease in Emissions		2016
605038	PLYMOUTH- RECONSTRUCTION OF TAYLOR AVENUE, FROM WHITE HORSE ROAD TO MANOMET POINT ROAD, INCLUDES BRIDGE REPLACEMENT OF P-13-010	\$ 8,726,144	Quantified	2,011.100	Quantified Decrease in Emissions from Other Improvements		2017
607438	EASTON- INTERSECTION IMPROVEMENTS AT WASHINGTON STREET (ROUTE 138) AND UNION STREET	\$ 2,659,239	Quantified	326,293.197	Quantified Decrease in Emissions from Traffic Operational Improvement		2018
607337	PEMBROKE- INTERSECTION IMPROVEMENTS AND RELATED WORK AT WASHINGTON STREET (ROUTE 53) AND PLEASANT STREET	\$ 2,264,709	Quantified	170,714.225	Quantified Decrease in Emissions from Traffic Operational Improvement		2018
606264	PLYMOUTH- IMPROVEMENTS ON OBERY STREET, FROM SOUTH STREET TO A.A. CARANCI WAY/PLYMOUTH NORTH H.S. DRIVE INTERSECTION	\$ 6,657,553	Quantified	583,159.967	Quantified Decrease in Emissions from Traffic Operational Improvement		2018
607860	WHITMAN- TRAFFIC SIGNAL IMPROVEMENTS & RELATED WORK ON BEDFORD STREET (ROUTE 18) AT 2 LOCATIONS: AUBURN STREET (ROUTE 14) & TEMPLE STREET (ROUTE 27)	\$ 5,990,816	Quantified	133,711.328	Quantified Decrease in Emissions from Traffic Operational Improvement		2018
608143	ABINGTON/ BROCKTON - NORTH QUINCY STREET, CHESTNUT STREET, AND BOUNDARY AVENUE ROUNDABOUT AND GEOMETRIC IMPROVEMENTS	\$ 1,218,906	Quantified	505,089.454	Quantified Decrease in Emissions from Traffic Operational Improvement		2019
607941	EAST BRIDGEWATER - RESURFACING AND SIDEWALK CONSTRUCTION ON BEDFORD STREET (ROUTE 18), FROM WHITMAN STREET (ROUTE 106) TO CENTRAL STREET	\$ 7,763,091	Quantified	1,525.300	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure		2019
608088	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	\$ 7,350,265	Quantified	205,184.676	Quantified Decrease in Emissions from Traffic Operational Improvement		2020
608266	PEMBROKE - RESURFACING AND RELATED WORK ON ROUTE 53	\$ 2,725,075	Qualitative		Qualitative Decrease in Emissions		2020
607217	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION FROM NEWELL CIRCLE TO ROUTE 138	\$ 9,018,229	Quantified	132,862.633	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure		2021
608086	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	\$ 4,969,007	Quantified	989,860.450	Quantified Decrease in Emissions from Traffic Operational Improvement		2021
608829	STOUGHTON- IMPROVEMENTS AT WEST ELEMENTARY SCHOOL (SRFS)	\$ 3,171,443	Qualitative		Qualitative Decrease in Emissions		2021

Old Colony Region Transportation Improvement Program

FTA Activity Line Item ▼	Transit Agency ▼	Project Description ▼	Total Cost ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼	Fiscal Year Programmed (2015 and forward) ▼
111201	BAT	BUY REPLACEMENT 40-FT BUS (4)	\$ 1,960,000	Quantified	9,383.318	Quantified Decrease in Emissions from Bus Replacement		2016
111202	BAT	BUY REPLACEMENT 35-FT BUS (4)	\$ 2,000,000	Quantified	9,899.523	Quantified Decrease in Emissions from Bus Replacement		2016
111201	BAT	BAT ACQUIRE REPLACEMENT 40-FT BUS (4)	\$ 2,050,000	Quantified	20,577.935	Quantified Decrease in Emissions from Bus Replacement		2018
111302	BAT	BAT - ACQUIRE 35-FT BUS FOR EXPANSION (2) HYBRID	\$ 1,400,000	Quantified	23,611.723	Quantified Decrease in Emissions from New/Additional Transit Service		2018
111202	BAT	BAT ACQUIRE REPLACEMENT 35-FT BUS (6)	\$ 3,000,000	Quantified	30,866.902	Quantified Decrease in Emissions from Bus Replacement		2018
111203	BAT	BUY REPLACEMENT 30-FT BUS (2) BSU	\$ 500,000	Quantified	188,480.027	Quantified Decrease in Emissions from Bus Replacement		2019
111203	BAT	BUY REPLACEMENT 30-FT BUS (3) BSU	\$ 450,000	Quantified	280,178.756	Quantified Decrease in Emissions from Bus Replacement		2020
111201	BAT	BUY REPLACEMENT 40-FT BUS (4)	\$ 2,250,000	Quantified	246,174.712	Quantified Decrease in Emissions from Bus Replacement		2021

APPENDIX K - FFY 2022-2026 GREENHOUSE GAS (GHG) EMISSIONS ANALYSIS

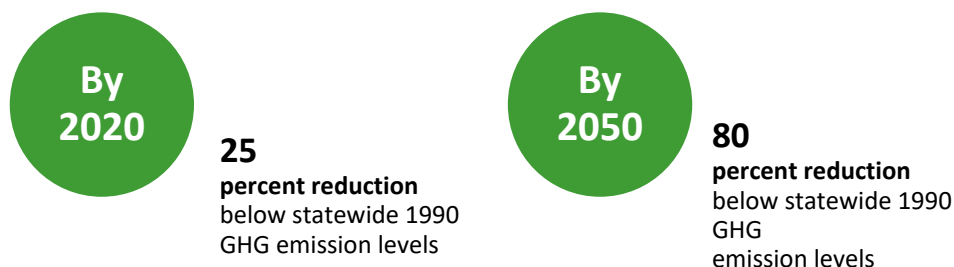
2022-2026 Transportation Improvement Program Greenhouse Gas Monitoring and Evaluation

Introduction

This section summarizes the greenhouse gas (GHG) impacts that are anticipated to result from the projects that are included in this FFY 2022-2026 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, DEP issued new regulations that require MPOs to quantify impacts from project investments, track progress towards reductions, and consider impacts in the prioritization of project investments. The targets for overall statewide GHG emissions are:



The role of MPOs

The Commonwealth’s MPOs are integrally involved in supporting the GHG reductions mandated under the GWSA. The MPOs are most directly involved in helping to achieve the GHG emissions reductions through the promotion of healthy transportation modes through prioritizing and programming an appropriate balance of roadway, transit, bicycle and pedestrian investments – and assisting smart growth development patterns through the creation of a balanced multi-modal transportation system. This is realized through the transportation goals and policies espoused in the 2020-2040 Long Range Transportation Plans (LRTPs); the major projects planned in those LRTPs; and the mix of new transportation projects that are programmed and implemented through the TIPs. GHG tracking and evaluation

processes enable the MPOs to identify anticipated GHG impacts of planned and programmed projects, and also to use GHG impacts as a criterion in prioritizing transportation projects.

Project-level GHG tracking and evaluation in TIPs

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

Calculation of GHG Impacts for TIP Projects

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

Projects with quantified impacts

L RTP Projects

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

Quantified Decrease in Emissions

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

- **Quantified Decrease in Emissions from Traffic Operational Improvement** - An intersection reconstruction or signalization project that is projected to reduce delay and congestion.
- **Quantified Decrease in Emissions from Pedestrian and Bicycle Infrastructure** - A shared-use path that enables increased walking and biking and decreases vehicle-miles traveled (VMT).
- **Quantified Decrease in Emissions from New/Additional Transit Service** - A bus or shuttle service that enables increased transit ridership and decreased VMT
- **Quantified Decrease in Emissions from a Park and Ride Lot** - A park and ride lot that enables increased transit ridership/ increased ridesharing and decreased VMT
- **Quantified Decrease in Emissions from Bus Replacement** - a bus replacement that directly reduces GHG emissions generated by service.

- **Quantified Decrease in Emissions from Complete Streets Improvements** - Improvements to roadway networks that include the addition of bicycle and pedestrian accommodations where none were present before.
- **Quantified Decrease in Emissions from Alternative Fuel Vehicle Procurements** – A vehicle procurement where alternative fuel/advanced technology vehicles replace traditional gas or diesel vehicles.
- **Quantified Decrease in Emissions from Anti-idling Strategies** – Implementation of policies such as limiting idling allowed, incorporating anti-idling technology into fleets and using LED lights on trucks for the purpose of illuminating worksites.
- **Quantified Decrease in Emissions from Bike Share Projects** – A new bike share project or capacity added to an existing project.
- **Quantified Decrease in Emissions from Induced Travel Projects** – A project that changes roadway capacity
- **Quantified Decrease in Emissions from Speed Reduction Programs** – Programs that reduce speed to no less than 55 miles per hour.
- **Quantified Decrease in Emissions from Transit Signal Priority Projects** – A project that applies this technology to a signal intersection or along a corridor that impacts bus service.
- **Quantified Decrease in Emissions from Truck Stop Electrification Projects** – A new truck stop electrification project or capacity added to an existing project.
- **Quantified Decrease in Emissions from Other Improvement**

Quantified Increase in Emissions

- Projects expected to produce a measurable increase in emissions.

Projects with no assumed impacts

No Assumed Impact/Negligible Impact on Emissions

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

Qualitative Decrease in Emissions

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

Qualitative Increase in Emissions

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

Greenhouse gas impact tables for FFY 2022 - 2026 TIP

The tables summarizing the calculated quantitative and assumed qualitative impacts of the projects included in each regional FFY 2022–2026 TIP are found beginning on the next page.



Greenhouse Gas (GHG) Analysis Report

STIP: 2022 - 2026 (D)

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2022					
Old Colony					
600380	PEMBROKE- REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	-3,776	
608496	AVON- STOUGHTON- RESURFACING AND RELATED WORK ON ROUTE 24	Qualitative	No assumed impact/negligible impact on emissions	0	
Old Colony				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	-3,776
				Total GHG Difference (kg/year)	-3,776
2022				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	-3,776
				Total GHG Difference (kg/year)	-3,776
2022				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	-3,776
				Total GHG Difference (kg/year)	-3,776



Greenhouse Gas (GHG) Analysis Report

STIP: 2022 - 2026 (D)

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2023					
Old Colony					
607403	STOUGHTON- CORRIDOR IMPROVEMENTS ON ROUTE 138	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-3,546	
608279	STOUGHTON- INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRAL STREET, CANTON STREET AND TOSCA DRIVE	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-83,068	
609410	BROCKTON- INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRE STREET (ROUTE 123), CARY STREET AND LYMAN STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-220,765	
Old Colony			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-307,380	
			Total GHG Difference (kg/year)	-307,380	
2023			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-307,380	
			Total GHG Difference (kg/year)	-307,380	
2023			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-307,380	
			Total GHG Difference (kg/year)	-307,380	



Greenhouse Gas (GHG) Analysis Report

STIP: 2022 - 2026 (D)

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2024					
Old Colony					
607403	STOUGHTON- CORRIDOR IMPROVEMENTS ON ROUTE 138	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-3,546	
609052	BROCKTON- INTERSECTION IMPROVEMENTS AT CENTRE STREET (ROUTE 123) AND PLYMOUTH STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-359,725	
609435	PLYMPTON- BRIDGE REPLACEMENT, P-14-001 (445), WINNETUXET ROAD OVER WINNETUXET RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
Old Colony			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-363,271	
			Total GHG Difference (kg/year)	-363,271	
2024			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-363,271	
			Total GHG Difference (kg/year)	-363,271	
2024			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-363,271	
			Total GHG Difference (kg/year)	-363,271	



Greenhouse Gas (GHG) Analysis Report

STIP: 2022 - 2026 (D)

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2025					
Old Colony					
607818	BROCKTON- INTERSECTION IMPROVEMENTS AT LYMAN STREET/GROVE STREET/SUMMER STREET & REPLACEMENT OF GROVE STREET BRIDGE, B-25-005, OVER SALISBURY PLAIN RIVER	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-6,779	
608195	EASTON- CORRIDOR IMPROVEMENTS ON ROUTE 138 INCLUDING INTERSECTION IMPROVEMENTS AT ROUTE 138 (WASHINGTON STREET) AND ELM STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-256,229	
Old Colony			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-263,008	
			Total GHG Difference (kg/year)	-263,008	
2025			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-263,008	
			Total GHG Difference (kg/year)	-263,008	
2025			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-263,008	
			Total GHG Difference (kg/year)	-263,008	



Greenhouse Gas (GHG) Analysis Report

STIP: 2022 - 2026 (D)

MassDot Project ID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG CO2 Impact (kg/yr)	Additional Information
Federal Fiscal Year 2026					
Old Colony					
606002	DUXBURY- SIGNAL INSTALLATION @ ROUTE 3 (NB & SB) RAMPS & ROUTE 3A (TREMONT STREET)	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-253,538	
608506	HANSON- CORRIDOR IMPROVEMENTS ON ROUTE 14 (MAQUAN STREET), FROM THE PEMBROKE T.L. TO INDIAN HEAD STREET AND RELATED WORK	Quantified	Quantified Decrease in Emissions from Complete Streets Project	-9,577	
609440	ABINGTON- INTERSECTION IMPROVEMENTS AT HANCOCK STREET AND CHESTNUT STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	-692,501	
Old Colony			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-955,616	
			Total GHG Difference (kg/year)	-955,616	
2026			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-955,616	
			Total GHG Difference (kg/year)	-955,616	
2026			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-955,616	
			Total GHG Difference (kg/year)	-955,616	

2022 Old Colony Region Transportation Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0009900	Brockton Area Transit Authority / BUY REPLACEMENT 40-FT BUS (3)	\$ 1,500,000	Quantified	-273484.3854	Quantified Decrease in Emissions from Bus Replacement	\$ 1,500,000		2022

2023 Old Colony Region Transportation Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0009904	Brockton Area Transit Authority / BUY REPLACEMENT 35-FT BUS (6)	\$ 3,625,000	Quantified	-560229.2679	Quantified Decrease in Emissions from Bus Replacement	\$ 3,625,000		2023

2024 Old Colony Region Transportation Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0009909	Brockton Area Transit Authority / BUY REPLACEMENT 40-FT BUS (4)	\$ 2,150,000	Quantified	-373486.1786	Quantified Decrease in Emissions from Bus Replacement	\$ 2,150,000		2024

2026 Old Colony Region Transportation Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0010220	Brockton Area Transit Authority / BUY REPLACEMENT (5) 35-FT BUS Hybrid	\$ 3,950,000	Quantified	-8041047.812	Quantified Decrease in Emissions from Bus Replacement	\$ 3,950,000		2026

APPENDIX L - FFY 2022-2026 GATRA TRANSIT ELEMENT

**Transportation Improvement Program (TIP)
Project List (FY2022)**

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009572	Greater Attleboro-Taunton Regional Transit Authority	117C00	Greater Attleboro Taunton Regional Transit Authority/Non Fixed Route ADA Paratransit Operating		\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
5307	RTD0009569	Greater Attleboro-Taunton Regional Transit Authority	117A00	Greater Attleboro Taunton Regional Transit Authority/Preventative Maintenance		\$3,920,000	\$980,000	\$0	\$0	\$4,900,000
5307	RTD0009592	Greater Attleboro-Taunton Regional Transit Authority	117L00	Greater Attleboro Taunton Regional Transit Authority/Mobility Management		\$140,000	\$35,000	\$0	\$0	\$175,000
5307	RTD0010205	Greater Attleboro-Taunton Regional Transit Authority	115204	Greater Attleboro Taunton Regional Transit Authority/Purchase AVL System		\$400,000	\$100,000	\$0	\$0	\$500,000
5307	RTD0009570	Greater Attleboro-Taunton Regional Transit Authority	300901	Greater Attleboro Taunton Regional Transit Authority/Fixed Route Operating Assistance		\$600,000	\$600,000	\$0	\$0	\$1,200,000
5307	RTD0009568	Greater Attleboro-Taunton Regional Transit Authority	442400	Greater Attleboro Taunton Regional Transit Authority/Short Range Transit Planning		\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009571	Greater Attleboro-Taunton Regional Transit Authority	114220	Greater Attleboro Taunton Regional Transit Authority/Miscellaneous Support Equipment		\$80,000	\$20,000	\$0	\$0	\$100,000
					Subtotal	\$6,420,000	\$2,055,000	\$0	\$0	\$8,475,000
5309										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5310										
					Subtotal	\$0	\$0	\$0	\$0	\$0
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	RTD0009574	Greater Attleboro-Taunton Regional Transit Authority	111215	Greater Attleboro Taunton Regional Transit Authority/Buy Replacement Vans - 8		\$0	\$0	\$0	\$528,000	\$528,000
					Subtotal	\$0	\$0	\$0	\$528,000	\$528,000
					Total	\$6,420,000	\$2,055,000	\$0	\$528,000	\$9,003,000

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

Transportation Improvement Program (TIP)

Project List (FY2023)

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009575	Greater Attleboro-Taunton Regional Transit Authority	442400	Greater Attleboro Taunton Regional Transit Authority/Short Range Transit Planning		\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009576	Greater Attleboro-Taunton Regional Transit Authority	117A00	Greater Attleboro Taunton Regional Transit Authority/Preventative Maintenance	2022 - \$1,280,000	\$4,080,000	\$1,020,000	\$0	\$0	\$5,100,000
5307	RTD0009577	Greater Attleboro-Taunton Regional Transit Authority	300901	Greater Attleboro Taunton Regional Transit Authority/Fixed Route Operating Assistance		\$600,000	\$600,000	\$0	\$0	\$1,200,000
5307	RTD0009578	Greater Attleboro-Taunton Regional Transit Authority	117C00	Greater Attleboro Taunton Regional Transit Authority/Non Fixed Route ADA Paratransit Operating		\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
5307	RTD0009593	Greater Attleboro-Taunton Regional Transit Authority	117L00	Greater Attleboro Taunton Regional Transit Authority/Mobility Management	2022 - \$140,000	\$140,000	\$35,000	\$0	\$0	\$175,000
5307	RTD0009604	Greater Attleboro-Taunton Regional Transit Authority	114220	Greater Attleboro Taunton Regional Transit Authority/Miscellaneous Support Equipment	2022 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
					Subtotal	\$6,180,000	\$1,995,000	\$0	\$0	\$8,175,000
5309										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5310										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5311										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5337										
5337	RTD0009581	Greater Attleboro-Taunton Regional Transit Authority	123402	Greater Attleboro Taunton Regional Transit Authority/Rehab-Renovation Attleboro Area Commuter Rail Stations	2020 - \$1,013,370	\$1,013,370	\$0	\$0	\$253,343	\$1,266,713
					Subtotal	\$1,013,370	\$0	\$0	\$253,343	\$1,266,713
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	RTD0009580	Greater Attleboro-Taunton Regional Transit Authority	111215	Greater Attleboro Taunton Regional Transit Authority/Buy Replacement Vans - 8		\$0	\$0	\$0	\$530,000	\$530,000
					Subtotal	\$0	\$0	\$0	\$530,000	\$530,000
					Total	\$7,193,370	\$1,995,000	\$0	\$783,343	\$9,971,713

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

**Transportation Improvement Program (TIP)
Project List (FY2024)**

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009583	Greater Attleboro-Taunton Regional Transit Authority	114220	Greater Attleboro Taunton Regional Transit Authority/Miscellaneous Support Equipment	2023 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009584	Greater Attleboro-Taunton Regional Transit Authority	442400	Greater Attleboro Taunton Regional Transit Authority/Short Range Transit Planning		\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009585	Greater Attleboro-Taunton Regional Transit Authority	111202	Greater Attleboro Taunton Regional Transit Authority/Buy Replacement 35-FT Buses (2)	2023 - \$240,000	\$1,040,000	\$260,000	\$0	\$0	\$1,300,000
5307	RTD0009588	Greater Attleboro-Taunton Regional Transit Authority	117C00	Greater Attleboro Taunton Regional Transit Authority/Non Fixed Route ADA Paratransit Operating		\$1,280,000	\$320,000	\$0	\$0	\$1,600,000
5307	RTD0009589	Greater Attleboro-Taunton Regional Transit Authority	300901	Greater Attleboro Taunton Regional Transit Authority/Fixed Route Operating Assistance		\$650,000	\$650,000	\$0	\$0	\$1,300,000
5307	RTD0009590	Greater Attleboro-Taunton Regional Transit Authority	117A00	Greater Attleboro Taunton Regional Transit Authority/Preventative Maintenance		\$2,800,000	\$700,000	\$0	\$0	\$3,500,000
5307	RTD0009594	Greater Attleboro-Taunton Regional Transit Authority	117L00	Greater Attleboro Taunton Regional Transit Authority/Mobility Management	2022 - \$140,000	\$140,000	\$35,000	\$0	\$0	\$175,000
					Subtotal	\$6,070,000	\$2,005,000	\$0	\$0	\$8,075,000
5309										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5310										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5311										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5337										
5337	RTD0009582	Greater Attleboro-Taunton Regional Transit Authority	123402	Greater Attleboro Taunton Regional Transit Authority/Rehab-Renovation Attleboro Area Commuter Rail Stations	2021 - \$1,030,800	\$1,030,800	\$0	\$0	\$257,700	\$1,288,500
					Subtotal	\$1,030,800	\$0	\$0	\$257,700	\$1,288,500
5339										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5320										
					Subtotal	\$0	\$0	\$0	\$0	\$0
Other Federal										
					Subtotal	\$0	\$0	\$0	\$0	\$0

**Transportation Improvement Program (TIP)
Project List (FY2024)**

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
Other Non-Federal										
Other Non-Federal	RTD0009586	Greater Attleboro-Taunton Regional Transit Authority	111215	Greater Attleboro Taunton Regional Transit Authority/Buy Replacement Vans - 8		\$0	\$0	\$0	\$530,000	\$530,000
					Subtotal	\$0	\$0	\$0	\$530,000	\$530,000
					Total	\$7,100,800	\$2,005,000	\$0	\$787,700	\$9,893,500

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

**Transportation Improvement Program (TIP)
Project List (FY2025)**

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009595	Greater Attleboro-Taunton Regional Transit Authority	117L00	Greater Attleboro Taunton Regional Transit Authority/Mobility Management	2023 - \$140,000	\$140,000	\$35,000	\$0	\$0	\$175,000
5307	RTD0009596	Greater Attleboro-Taunton Regional Transit Authority	117C00	Greater Attleboro Taunton Regional Transit Authority/Non Fixed Route ADA Paratransit Operating		\$1,320,000	\$330,000	\$0	\$0	\$1,650,000
5307	RTD0009597	Greater Attleboro-Taunton Regional Transit Authority	300901	Greater Attleboro Taunton Regional Transit Authority/Fixed Route Operating Assistance		\$650,000	\$650,000	\$0	\$0	\$1,300,000
5307	RTD0009599	Greater Attleboro-Taunton Regional Transit Authority	117A00	Greater Attleboro Taunton Regional Transit Authority/Preventative Maintenance	2020 - \$157,757; 2021 - \$16,571; 2022 - \$771,732; 2023 - \$389,288; 2024 - \$99,288	\$4,480,000	\$1,120,000	\$0	\$0	\$5,600,000
5307	RTD0009601	Greater Attleboro-Taunton Regional Transit Authority	442400	Greater Attleboro Taunton Regional Transit Authority/Short Range Transit Planning		\$80,000	\$20,000	\$0	\$0	\$100,000
					Subtotal	\$6,670,000	\$2,155,000	\$0	\$0	\$8,825,000
5309										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5310										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5311										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5337										
5337	RTD0009602	Greater Attleboro-Taunton Regional Transit Authority	123402	Greater Attleboro Taunton Regional Transit Authority/Rehab-Renovation Attleboro Area Commuter Rail Stations	2022 - \$1,048,530	\$1,048,530	\$0	\$0	\$262,133	\$1,310,663
					Subtotal	\$1,048,530	\$0	\$0	\$262,133	\$1,310,663
5339										
5339	RTD0009603	Greater Attleboro-Taunton Regional Transit Authority	111202	Greater Attleboro Taunton Regional Transit Authority/Buy Replacement 35-FT Buses (2)	2021 - \$284,224; 2022 - \$300,647; 2023 - \$312,162; 2024 - \$142,967	\$1,040,000	\$260,000	\$0	\$0	\$1,300,000
					Subtotal	\$1,040,000	\$260,000	\$0	\$0	\$1,300,000
5320										
					Subtotal	\$0	\$0	\$0	\$0	\$0
Other Federal										
					Subtotal	\$0	\$0	\$0	\$0	\$0

Transportation Improvement Program (TIP)

Project List (FY2025)

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
Other Non-Federal										
Other Non-Federal	RTD0009598	Greater Attleboro-Taunton Regional Transit Authority	111215	Greater Attleboro Taunton Regional Transit Authority/Buy Replacement Vans - 8		\$0	\$0	\$0	\$532,000	\$532,000
					Subtotal	\$0	\$0	\$0	\$532,000	\$532,000
					Total	\$8,758,530	\$2,415,000	\$0	\$794,133	\$11,967,663

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

**Transportation Improvement Program (TIP)
Project List (FY2026)**

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0010062	Greater Attleboro-Taunton Regional Transit Authority	117L00	Greater Attleboro Taunton Regional Transit Authority/Mobility Management		\$140,000	\$35,000	\$0	\$0	\$175,000
5307	RTD0010063	Greater Attleboro-Taunton Regional Transit Authority	442400	Greater Attleboro Taunton Regional Transit Authority/Short Range Transit Planning		\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0010064	Greater Attleboro-Taunton Regional Transit Authority	117A00	Greater Attleboro Taunton Regional Transit Authority/Preventative Maintenance		\$4,480,000	\$1,120,000	\$0	\$0	\$5,600,000
5307	RTD0010065	Greater Attleboro-Taunton Regional Transit Authority	117C00	Greater Attleboro Taunton Regional Transit Authority/Non Fixed Route ADA Paratransit Operating		\$1,320,000	\$330,000	\$0	\$0	\$1,650,000
5307	RTD0010066	Greater Attleboro-Taunton Regional Transit Authority	300901	Greater Attleboro Taunton Regional Transit Authority/Fixed Route Operating Assistance		\$750,000	\$750,000	\$0	\$0	\$1,500,000
5307	RTD0010069	Greater Attleboro-Taunton Regional Transit Authority	114220	Greater Attleboro Taunton Regional Transit Authority/Miscellaneous Support Equipment		\$80,000	\$20,000	\$0	\$0	\$100,000
					Subtotal	\$6,850,000	\$2,275,000	\$0	\$0	\$9,125,000
5309										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5310										
					Subtotal	\$0	\$0	\$0	\$0	\$0
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	RTD0010068	Greater Attleboro-Taunton Regional Transit Authority	111215	Greater Attleboro Taunton Regional Transit Authority/Buy Replacement Vans - 8		\$0	\$0	\$0	\$532,000	\$532,000
					Subtotal	\$0	\$0	\$0	\$532,000	\$532,000
					Total	\$6,850,000	\$2,275,000	\$0	\$532,000	\$9,657,000

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

APPENDIX M - TWENTY-ONE (21) DAY PUBLIC REVIEW - NOTICE OF AVAILABILITY AND PUBLIC COMMENTS

OLD COLONY PLANNING COUNCIL

Christine M. Joy
President
70 School Street
Brockton, MA 02301-4097

Mary V. Waldron
Executive Director
Telephone: (508) 583-1833
Fax: (508) 559-8768
Website: www.ocpcrpa.org

April 20, 2021

NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD

▪ **FFY 2022-2026 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

In accordance with the Public Participation Process developed by the Old Colony Metropolitan Planning Organization (MPO), Old Colony Planning Council (OCPC) is making the FFY 2022-2026 TIP available for public review and comment. Copies will be available for review at <http://www.ocpcrpa.org/>, and/or upon request. This notice will initiate a 21-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 May 6, 2021 at 12 PM. Furthermore, a public meeting of the Old Colony MPO is scheduled for May 18, 2021 at 10 AM to hear additional public comments and consider endorsement. Please contact Charles Kilmer at 508-583-1833 Extension 206 or for further information.

Please send written comments to:

Charles Kilmer
Old Colony Planning Council (OCPC)
70 School Street
Brockton, MA 02301
ckilmer@ocpcrpa.org

The Old Colony MPO fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The Old Colony MPO operates without regard to race, color, or national origin (including limited English proficiency), age, sex, disability, ancestry, ethnicity, gender, gender identity or expression, sexual orientation, religion, creed, veteran's status, or background. Any person who believes him/herself or any specific class of persons, to be subject to discrimination prohibited by Title VI may by him/herself or by representative file a written complaint with the Old Colony MPO. Complaints are to be filed no later than 180 days from the date of the alleged discrimination. Please contact Pat Ciaramella at 508-583-1833 Extension 202 for more information.

LEGAL ADVERTISEMENTS

Notice of Twenty-One Day Public Review and Comment Period appeared in the following:

- **The Brockton Enterprise - April 20, 2021**
- **The Ojournal - April 23, 2021**
- **The Patriot Ledger - April 20, 2021**

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NOTICES

Legals

TIP
NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD
FFY 2021-2025 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT 2
FFY 2022-2026 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Legals

Old Colony Planning Council (OCPC) is making the FFY 2021-2025 TIP Amendment 2 and the FFY 2022-2026 TIP available for a 21-Day Public Review and Comment Period. Copies will be available at <http://www.ocpcna.org> and/or upon request. This process will 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 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 for the regional area. 5307. (Ordinized 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) public hearing requirements. The public discussion of the TIP at meetings of the Old Colony Joint Transportation Committee (JTC) and Old Colony MPO satisfy 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 JTC, is scheduled for May 6, 2021 at 12 PM. Furthermore, a public meeting of the Old Colony MPO is scheduled for May 19, 2021 at 10 AM to hear additional public comments and consider endorsement. Please contact Charles Kimer at 508-583-1833 Extension 226 for information.

Legals

VIENNA MATTER
LEGAL NOTICE COMMONWEALTH OF MASSACHUSETTS
Plymouth County Juvenile Court, 215 Main Street, Suite 210, Brockton, MA 02301
Docket Number: 21CP0032H
CARE AND PROTECTION
TERMINATION OF PARENTAL RIGHTS
SUMMONS BY PUBLICATION
TO: William Smith and any unknown/unnamed father of Skyrah Vieira. A petition has been presented to this court by DCF Plymouth Office, seeking as to the following child Skyrah Vieira, that said child be found in need of care and protection and that the best interests of the child named herein, if it finds that the child is in need of care and protection and that the best interests of the child would be served by said disposition. You are hereby ORDERED to appear in this court at the court address set forth above, on the following date and time: 05/19/2021 at 9:00 AM Report. You may bring an attorney with you. If you have a right to an attorney and the court determines that you are indigent, the court will appoint an attorney to represent you. If you fail to appear, the court may proceed on that date and any date thereafter with a trial on the merits of the petition and an adjudication of this matter. For further information call the Office of the City Magistrate at 508-588-4030.
WITNESS: Hon. Kathryn A. White, FIRST JUSTICE, Kathleen Baptiste Clerk Magistrate, DATE ISSUED: 05/09/2021
AD113952205
BE 416, 413, 420/2021

GANNETT USA TODAY NETWORK

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ABINGTON, BID SCHOOL TRANSPORTATION
LEGAL NOTICE
ABINGTON AND WHITMAN HANSON PUBLIC SCHOOLS
SCHOOL TRANSPORTATION BID

The Abington and Whitman Hanson Public Schools hereafter referred to as the "Regional Collaborative" will receive sealed proposals for the furnishing of School Transportation until Friday, May 14, 2021, @ 2:30 p.m. at which time they will be publicly opened and read in the Abington Public Schools Professional Development Room.

The proposal requires the furnishing of scheduled School Transportation for all designated school children to include Regular Transportation and Athletic and Extra-Curricular Activities Transportation for a period of three years plus two individual open years, beginning July 1, 2021. The successful bidder shall be required to furnish all services necessary and required, but not necessarily limited to the following in general: Drivers, Transportation Equipment, Maintenance of Equipment, Operation, Supervision, Inspection, Registration, Licensing, Insurance and compliance to all applicable laws, rules, and regulations of the Commonwealth of Massachusetts, Department of Motor Vehicles, Department of Public Utilities, Towns of Abington, Whitman, and Hanson and the School District.

Legals

ABINGTON, 135 CENTRE AVENUE, UNIT NO. 135 A/K/A UNIT G, ABINGTON SQUARE CONDOMINIUM
LEGAL NOTICE
MORTGAGEE'S SALE OF REAL ESTATE

By virtue of and in execution of the Power of Sale contained in a certain mortgage given by Deirdre A. Zaccardi and Joseph E. Zaccardi to Mortgage Electronic Registration Systems, Inc., as mortgagee, acting solely as a nominee for Consumer Home Mortgage Corporation of America, Inc., dated May 30, 2008 and recorded in Plymouth County Registry of Deeds in Book 36922, Page 136 (the "Mortgage") of which mortgage NewRez LLC dba Shellpoint Mortgage Servicing is the present holder by Assignment from Mortgage Electronic Registration Systems, Inc., as nominee for Consumer Home Mortgage Corporation of America, Inc. to Bank of America NA dated May 24, 2010 and recorded at said Registry of Deeds in Book 43127, Page 30, and Assignment from Bank of America, N.A. to EverBank dated July 9, 2013 and recorded at said Registry of Deeds in Book 43568, Page 140, and Assignment from EverBank, as successor by merger to Everhome Mortgage Company to Green Tree Servicing LLC dated June 12, 2014 and recorded at said Registry of Deeds in Book 62236, Page 95, and Assignment from New Residential Mortgage LLC to NewRez LLC dba Shellpoint Mortgage Servicing dated October 26, 2020 and recorded at said Registry of Deeds in Book 65722, Page 273, for breach of conditions of said mortgage and for the purpose of foreclosing the same, the mortgaged premises located at 135 Centre Avenue, Unit No. 135 a/k/a Unit G, of the Abington Square Condominium, Abington, MA 02351 will be sold at a Public Auction at 2:00 PM on May 4, 2021, at the mortgaged premises, more particularly described below, all and singular the premises described in said mortgage, to wit:

Unit No. 135 of Abington Square Condominium created by Master Deed dated April 6, 2003, recorded with Plymouth County Registry of Deeds in Book 24813, Page 125.

The Post Office Address of the Condominium is: 135 Centre Avenue, Abington, MA 02351

A non-mandatory pre-bid conference will be held virtually for all interested bidders, on April 27, 2021, @ 1:00 p.m.

Specifications and Proposal Forms may be obtained electronically or hard copy at the District Business Office (781) 982-2150. Email: Bids@2021@abington.ma.us, 1071 Washington Street, Abington, MA 02351 or on after April 12, 2021 @ 10:00 a.m.

The District reserves the right to accept or reject any and all bids, in part or in whole, at their sole discretion. The decision of the Abington and Whitman Hanson School Committee shall be final and binding on all bidders without recourse.

The City of Brockton Planning Board will hold a public hearing on May 4, 2021 at 5:00 PM to hear the following:

The application of JK Engineering on behalf of Brockton Affordable Properties Realty Trust for a proposed definitive subdivision located at 42 Quincy Street showing four proposed lots.

Plans and documents will be available for review at the Department of Planning & Economic Development public Google Drive.

AD113952444
BE 416, 413, 420/2021

Legals

BUDGET HEARING
TOWN OF AVON
SCHOOL COMMITTEE
PUBLIC NOTICE

IN COMPLIANCE WITH CHAPTER 30A, § 19-23 OF THE MASSACHUSETTS GENERAL LAWS, EFFECTIVE AS OF JULY 1, 2010, PUBLIC NOTICE IS HEREBY GIVEN THAT THE FOLLOWING MEETINGS WILL TAKE PLACE AT THE TIME(S) AND LOCATION(S) AS INDICATED.

REMOTE ZOOM MEETING
DATE: WEDNESDAY
DATE: APRIL 28, 2021
TIME: 5:00PM

<https://us22wbc.zoom.us/j/8324037078179wde-REIVc0TQ5xk8VBH06zUJVv8kYv8UT08>
Dial-in: 929 209 6096
Meeting ID: 832 4037 0781
Passcode: 855482

As per MGL Chapter 71, Section 38N

The School Committee must hold a public hearing on its proposed annual budget.

AVON SCHOOL COMMITTEE

Christina Godino, Ed.D.
Superintendent of Schools

AD11395166 4/20/21

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Legals

ABINGTON, 135 CENTRE AVENUE, UNIT NO. 135 A/K/A UNIT G, ABINGTON SQUARE CONDOMINIUM
LEGAL NOTICE
MORTGAGEE'S SALE OF REAL ESTATE

The Unit conveyed is laid out as shown on a plan attached, which plan is a copy of a portion of the plans filed with said Master Deed and to which is affixed a verified statement in the form provided in M.G.L. Ch. 183A, Section 9. It is subject to and with the benefit of the obligations, restrictions, rights and liabilities contained in General Laws Chapter 183A, the Master Deed and the By-Laws filed therewith together with and assentment for the exclusive use of Parking Spaces.

The Condominium and each of the units is intended for residential purposes and other uses permitted by the applicable Zoning Ordinances and as set forth in the Master Deed.

The undivided percentage interest of the unit conveyed hereunder in the common areas and facilities is 12.50%.

For further information call the Office of the City Magistrate at 508-588-4030.

WITNESS: Hon. Kathryn A. White, FIRST JUSTICE, Kathleen Baptiste Clerk Magistrate, DATE ISSUED: 05/09/2021
AD113952205
BE 416, 413, 420/2021

Plans and documents will be available for review at the Department of Planning & Economic Development public Google Drive.

AD113952444
BE 416, 413, 420/2021

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5	\$6,710	5	\$6,710
6	\$7,635	6	\$7,635

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NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD

FFY 2021-2025 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT 2

FFY 2022-2026 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Old Colony Planning Council (OCPC) is making the FFY 2021-2025 TIP Amendment 2 and the FFY 2022-2026 TIP available for a 21-Day Public Review and Comment Period. Copies will be available at <http://www.ocpcrpa.org/>, and/or upon request. This process will 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 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 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 meetings of the Old Colony Joint Transportation Committee (JTC) and Old Colony MPO satisfy 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 JTC, is scheduled for May 6, 2021 at 12 PM. Furthermore, a public meeting of the Old Colony MPO is scheduled for May 18, 2021 at 10 AM to hear additional public comments and consider endorsement.

Please contact Charles Kilmer at 508-583-1833 Extension 206 for information.



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LEGAL NOTICE
NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD

NOTICES

LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 05/04/21 at 7:00 P.M. on the Notice of Intent application of S. Barzola Construction Corp. for proposed parking lot and drainage improvements within buffer zone to Scolding Vegetated Wetland located at 1153 Main Street (Map 53, Block 554, Lot 19). The 05/04/21 meeting will be a continuation of the 04/27/21 Conservator Commission meeting. This item will be heard only on the 05/04/21 date. Instructions for joining the remote meeting will be included on this meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting at https://www.weymouth.ma.us/conservation-commission. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 15 JUDSON ROAD
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 04/27/21 at 7:00 P.M. on the Request for Determination of Appropriability filed by Michael Bonilla for an above ground pool within buffer zone to wetland resource areas located at 15 Judson Road (Map 24, Block 318, Lot 17). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 6 HANFAN LANE
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 04/27/21 at 7:00 P.M. on the Request for Determination of Appropriability filed by Jeff Imbrino for an above ground pool within buffer zone to wetland resource areas located at Hanfan Lane (Map 31, Block 436, Lot 28). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
Thomas Mayo, Town Administrator

AD#13954845
FL 4/20/2021

Legals
TRANSPORTATION IMPROVEMENT PROGRAM

LEGAL NOTICE
NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD

FFY 2021-2025 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT 2
FFY 2022-2025 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
The City of Weymouth is making the FFY 2021-2025 TIP Amendment 2 and the FFY 2022-2025 TIP available for a 21-Day Public Review and Comment Period. Copies will be available at https://www.opcora.org/ or upon request. The process will be used as part of the 301 public participation process. The Transportation Planning Organization (TAO) Section 5307(a) applicant has consulted with the Old Colony Metropolitan Planning Organization (MPO) and concurs that the public participation process accepted by the 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 Unincorporated 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 comment on the TIP will satisfy the Program of Projects (POP) requirements. The public discussion of the TIP at meetings of the Old Colony MPO will satisfy the Program of Projects (POP) meeting requirements of the FTA. A public meeting of the OCGO and Old Colony MPO advisory committee, the Old Colony MPO is scheduled for May 6, 2021 at 12 P.M. Furthermore, a public meeting of the Old Colony MPO is scheduled for May 13, 2021 at 10 A.M. at the Town Office. Additional public comments and consideration. Please contact Charles Kimer at 508-545-1538 Extension 208 for information.

AD#13954845
FL 4/20/2021

HIGHHAM, IFB TENNIS COURTS REPAIR AND RESURFACING
LEGAL NOTICE
Town of Highham Invitation for Bid (IFB) REPAIR Plymouth River Tennis Courts Repair & Resurfacing

The Town of Highham, MA is rebidding this work and requesting sealed bids from qualified vendors for the repair and resurfacing of the Plymouth River Tennis Courts located at 200 Main St., Highham, MA 02045. The IFB documents may be obtained as of April 21, 2021 through the town's website at https://www.hingham-ma.gov. The bid submission deadline is 10:00 A.M. on the date of the bid opening. Sealed bids must be submitted no later than May 6, 2021 at 10:00 P.M. on the date of the bid opening. All applications for bid information will be accepted until 4:00 P.M. on the date of the bid opening. Bids will be publicly opened after submission deadline on May 6, 2021 at 1:00 P.M. Zoom: https://us02.zoom.us/j/465972175. The Town reserves the right to reject any and all bids as determined to be in the best interests of the Town and to waive minor irregularities. A pre-bid site visit will be held on April 27, 2021 at 10:00 A.M. at the Plymouth River Tennis Courts, 200 High St., Highham, MA 02045. Small Director Mark Threlkeld award process are subject to approval of the Town Administrator and/or the Board of Selectmen and is bid under M.G.L. c. 30A, §39M.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 1922 WASHINGTON STREET
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 05/04/21 at 7:00 P.M. on the Notice of Intent application of David Hall of Hanover P.S. Limited Partnership, to construct two 4-story mixed-use buildings with 270 residential units, commercial space, associated parking amenities, grading, retaining walls, drainage and utilities, along with wetland/buffer zone mitigation. A portion of the work within regulated wetland resource areas will be located at 1922 Washington St. on Washington St. and 28 White Oaks Ln. Show on Assessor's Map 35, Block 442, Lots 7, 8, 9, and 25. The 05/04/21 meeting will be a continuation of the 04/27/21 Conservator Commission meeting. This item will be heard only on the 05/04/21 meeting. Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 9 PENNELL DRIVE
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 05/04/21 at 7:00 P.M. on the Request for Determination of Appropriability filed by James Caiaoro for a proposed garage within Riverfront Area. Located at 234 River Street (Map 3, Block 2, Lot 8). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 1525 WASHINGTON STREET
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 05/04/21 at 7:00 P.M. on the Request for Determination of Appropriability filed by James Caiaoro for a proposed garage within Riverfront Area. Located at 1525 Washington Street (Map 3, Block 2, Lot 8). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

AD#13954845
FL 4/20/2021

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1 Owner Convertible 2006 Chrysler Sebring Touring w/ boot, 6 cyl., 24 valve, 55K mi. Exc. cond. Always garaged. All papers, \$5900 or b.o. 781-424-5821.

Legals
WEYMOUTH, 67 LEATHERLANE
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 04/27/21 at 7:00 P.M. on the Notice of Intent application of Linda Nagle, to add an addition to an existing single-family residence within Riverfront Area. Located at 67 Leather Lane (Map 48, Block 502, Lot 88). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 234 RIVER STREET
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 04/27/21 at 7:00 P.M. on the Request for Determination of Appropriability filed by James Caiaoro for a proposed garage within Riverfront Area. Located at 234 River Street (Map 3, Block 2, Lot 8). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 234 RIVER STREET
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 04/27/21 at 7:00 P.M. on the Request for Determination of Appropriability filed by James Caiaoro for a proposed garage within Riverfront Area. Located at 234 River Street (Map 3, Block 2, Lot 8). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

WEYMOUTH, 234 RIVER STREET
LEGAL NOTICE
TOWN OF WEYMOUTH CONSERVATION COMMISSION

In accordance with the Mass Wetlands Protection Act and the Weymouth Wetlands Protection Ordinance the Weymouth Conservation Commission will hold a Public Hearing on Tues. 04/27/21 at 7:00 P.M. on the Request for Determination of Appropriability filed by James Caiaoro for a proposed garage within Riverfront Area. Located at 234 River Street (Map 3, Block 2, Lot 8). Instructions for joining the remote meeting will be included on the meeting agenda, to be posted on the Conservation Commission webpage at least 48 hours prior to the meeting. All applications submitted on or after the 04/27/21 meeting will be considered at the next meeting. Application also posted on website.

CONSERVATION COMMISSION
John Reilly, Chairman

AD#13954845
FL 4/20/2021

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Business Services: Cacciatore Brothers, Driveways & Sealcoating, Flooring, KHAM'S FLOOR, Roofing & Gutters, WEATHERITE ROOFING, Landscaping & Gardening, CLOVER LANDSCAPING, A to Z LAWN CARE, Rubbish Removal, PLASTERING, JUNK REMOVAL CLEAN OUTS.
Merchandise: 25 BLACK plastic garden, EPSON HD photo printer, FREE MOUNTAIN LAUREL SHRUB.
Recreation: Troybilt Push lawn mower, Sports Equipment.
Rentals: Rooms for Rent, Apartments.
Automotive: 1 Owner Convertible 2006 Chrysler Sebring, Little Richie's Antiques, CASH FOR TOOLS.
Pet Services: 2 AKC FRENCH BULLDOG PUPPIES, PEMBROKE, 1 W.F.I. pinkie, 781-422-4421.

PUBLIC COMMENTS

Draft FFY 2022-2026 Old Colony Transportation Improvement Program (TIP)

Public Comment Matrix

Date	Name	Representation	Comment or Summary	Response
4/28/2021	Old Colony Planning Council (OCPC) Board of Directors	Old Colony Region	The OCPC Board of Directors, at their public meeting on April 28, 2021, reviewed and approved the FFY 2022-2026 Old Colony TIP.	Noted.
4/29/2021	Glenn Geiler	Brockton Area Transit	Noticed that there are some project funding and description differences from the GrantsPlus Listings (FFYs 2022 and 2026).	Reviewed and made most recent version available at May 6, 2021 JTC Meeting. It is noted that the number of projects did not change.
5/6/2021	Old Colony Joint Transportation (JTC)	Old Colony Region	The Old Colony JTC, at their public meeting on May 6, 2021, reviewed and approved the FFY 2022-2026 Old Colony TIP.	Noted.
5/7/2021	Ben Muller	MassDOT	Reviewed and provided MPO Liaison TIP Checklist. Please see attached checklist for detail.	Noted. Thank you for the review and provision of Checklist and Comment. Staff will work to align Final TIP with provided comments and suggestions.
5/10/2021	Andrew Reovan	FHWA	Reviewed and provided comments and suggestions. Please see attached comment list for detail.	Noted. Thank you for the review and comments. Staff will work to align Final TIP with provided comments and suggestions.

Comments as of Close of Business (COB) on May 14, 2021

MPO Liaison TIP Review Checklist

Completeness

ID	Review Item	Comments	Reference
A1	✓ * Table of Contents is accurate and internally-linked.		
A2	✓ * Document has no broken links.		
A3	✓ * Document has no text or image placeholders.		
A4	✗ * Charts, tables, and maps are legible and properly annotated.	Please ensure Figures 1, 2, 3, and 1-1 have appropriate alternate text.	
A5	✗ * Document passes an accessible check.	Please identify title and primary language in the metadata. Please ensure correct tab order.	
A6	✓ * Document is available in relevant languages per the MPO's Title VI Plan.	Consider posting fully translated executive summaries of 3C documents during the public comment period in the future.	
A7	✓ * List of MPO members is current.		
A8	✓ * Signatory sheet is included and accurate.		
A9	✗ * Acronyms and partner agency lists are up to date.	Please add the PTASP to the list of acronyms.	
A10	✗ * Dates listed w/in TIP reflect FFY 2022–2026.	Please update pp. 7, 25, and Appendix K with correct dates.	

Narrative

ID	Review Item	Comments	Reference
B1	✓ * TIP outlines MPO institutional organization.		
B2	✓ * TIP links back to national planning factors.		
B3	✓ * TIP references the RTP and the UPWP.		
B4	✓ * TIP narrative is concise and reader-friendly.		
B5	✓ * TIP discusses evaluation scoring.		
B6	✓ * TIP includes project scoring table.		
B7	✓ * TIP describes public participation process.		
B8	✓ * TIP includes procedures for adjustments and amendments, including any deviations from MassDOT guidelines.		
B9	✓ * TIP describes funding sources accurately.		https://www.fhwa.dot.gov/specialfunding/

Performance Measurement


ID	Review Item	Comments	Reference
C1	✗ * TIP includes discussion of target-setting process.	Please include descriptions of the PTASP target-setting process. Please ensure region-specific targets are specific and up-to-date.	
C2	✓ * TIP references relevant Transit Asset Management Plans.		
C3	✓ * TIP references relevant TAM Plan(s).		
C4	✗ * TIP includes current adopted performance targets.	Please include the newly-adopted PTASP targets.	PM1, PM2, PM3, TAM, PTASP (if adopted) and any regionally-derived targets
C5	✗ * TIP discusses relationship between performance targets and project selection.	Please discuss how performance targets inform project selection and how selected projects achieve performance goals.	

C6	✓	Discussion on performance measures compares regional data to statewide data where available.		
Project Listing				
ID		Review Item	Comments	Reference
D1	✓	* Financial projections align with MassDOT guidance.		
D2	✗	* TIP template is formatted correctly.	Please use the eSTIP export that provides the Additional Information column.	
D3	✓	* Projects use MassDOT ProjectInfo TFPCs.		
D4	✓	* Out year expenditures have the appropriate inflation		2022: 4%; 2023: 8%; 2024: 12%; 2025: 16%
D5	✓	* Projects use MassDOT ProjectInfo description.		
D6	✗	* Additional comment field contains all necessary info.	This field is not shown in the document for review.	Total cost, AC, Year-of-expenditure, TEC scores
D7	✓	* MassDOT projects are (accurately) included into regional template.		
D8	✓	* Regional target projects adhere to Readiness Days feedback.		
D9	✓	* List includes all projects, including FLAP, FLTP, and Tribal projects.		
D10	✓	* Transit TIP is formatted properly.		Should be unchanged from GrantsPlus
Impact Analysis				
ID		Review Item	Comments	Reference
E1	✓	* TIP includes GHG certification.		
E2	✓	* GHG analysis is available for all (and only) funded projects.	GHG analyses for highway projects have incorrect signs.	
E3	✓	* All projects are appropriately labeled as qualitative or quantitative.		
E4	✓	* Transit projects have been analyzed for GHG.		
E5	✗	* Past and current TIP projects have been analyzed for geographic equity, including a relevant table of programming by municipality.	The geographic equity analysis does not appear to accurately reflect the data in the table of programming by municipality.	
E6	✓	* Past and current TIP projects have been analyzed for social equity.	The social equity analysis would benefit from the inclusion of a map comparing locations of equity target populations to locations of projects.	
E7	✓	* Social equity analysis considers Title VI / language access.		
E8	✓	* Social equity analysis considers EJ populations, including both federal and state definitions.		
E9	✓	* Equity analysis includes a narrative to accompany any figures.	Equity analysis narrative would benefit from more discussion of how transportation needs may differ between different populations and whether projects fulfill these differential needs.	


* indicates required by state or federal regulation.

Summary of Comments on Microsoft Word - DRAFT FFY 2022-2026 Old Colony TIP


Date: 5/3/2021 1:52:07 PM


 Page: 7 Author: Andrew.Reovan Subject: Highlight
missing "is"

Date: 5/7/2021 12:26:50 PM


 Page: 9 Author: Andrew.Reovan Subject: Highlight
e.g. how might this target be quantified?

Date: 5/3/2021 2:34:31 PM


 Page: 9 Author: Andrew.Reovan Subject: Highlight
might be helpful to clarify goals vs targets vs performance measures. Goals appear to be 1st bullet, performance measures and targets seem combined.

 Page: 9 Author: Andrew.Reovan Subject: Sticky Note
Other MPOs have used tables as well to organize this information by performance area - might be a helpful approach for readability


Date: 5/3/2021 1:57:56 PM

 Page: 9 Author: Andrew.Reovan Subject: Highlight
double parenthesis, might not be needed

Date: 5/3/2021 2:44:49 PM

 Page: 10 Author: Andrew.Reovan Subject: Highlight
is there a way to highlight targets that have been achieved? is it correct to assume this one is achieved?

Date: 5/3/2021 2:43:15 PM


 Page: 10 Author: Andrew.Reovan Subject: Highlight
how is this term defined?

 Page: 10 Author: Andrew.Reovan Subject: Highlight

Date: 5/3/2021 2:50:42 PM

 Page: 11 Author: Andrew.Reovan Subject: Highlight
"TAM"


Date: 5/3/2021 2:50:27 PM

 Page: 11 Author: Andrew.Reovan Subject: Highlight
was this defined earlier?


Date: 5/3/2021 2:50:06 PM

 Page: 11 Author: Andrew.Reovan Subject: Highlight
"utilizes"


Date: 5/3/2021 2:49:24 PM

 Page: 11 Author: Andrew.Reovan Subject: Highlight
"not"


Date: 5/3/2021 2:45:11 PM

 Page: 11 Author: Andrew.Reovan Subject: Highlight
see earlier comment about achieved targets - it may be worth highlighting successes

Date: 5/3/2021 3:06:44 PM

 Page: 12 Author: Andrew.Reovan Subject: Highlight
suggest deleting the comma


Date: 5/3/2021 3:05:47 PM

 Page: 12 Author: Andrew.Reovan Subject: Highlight
seems repetitive with the prior phrase

Date: 5/3/2021 3:05:25 PM

 Page: 12 Author: Andrew.Reovan Subject: Highlight


Date: 5/3/2021 3:05:24 PM

 Page: 12 Author: Andrew.Reovan Subject: Highlight


Date: 5/3/2021 3:02:40 PM

 Page: 12 Author: Andrew.Reovan Subject: Highlight
how are these defined?


Date: 5/3/2021 3:10:48 PM

 Page: 13 Author: Andrew.Reovan Subject: Highlight
2022-2026


Date: 5/3/2021 3:10:25 PM

 Page: 13 Author: Andrew.Reovan Subject: Highlight
see prior note about indicating completion of targets or achievement


Date: 5/3/2021 3:09:52 PM

 Page: 13 Author: Andrew.Reovan Subject: Highlight
was this target met/completed?


Date: 5/3/2021 3:08:20 PM

 Page: 13 Author: Andrew.Reovan Subject: Highlight
might be helpful to explain how this is modeled or allude to the emissions modeling used by MassDOT

Date: 5/3/2021 3:07:27 PM

 Page: 13 Author: Andrew.Reovan Subject: Highlight
is there a clear measurable target?

Date: 5/3/2021 3:14:08 PM

 Page: 14 Author: Andrew.Reovan Subject: Highlight

Is there a way to indicate that these goals/targets are the same as ones identified for prior goal areas? System reliability, O&M, environmental sustainability. Table format might help.


Date: 5/3/2021 3:22:11 PM

Page: 20 Author: Andrew.Reovan Subject: Sticky Note

Are the targets in Table 3 statewide targets? Unclear in this section if the MPO chose to endorse state targets.


Please insert language similar to above, "Old Colony MPO will continue to assist MassDOT..."

Date: 5/3/2021 3:23:11 PM


 Page: 21 Author: Andrew.Reovan Subject: Highlight

Is this available to the public? Would be helpful to include latest edition as a link to website or as an appendix

Date: 5/3/2021 3:49:27 PM

 Page: 25 Author: Andrew.Reovan Subject: Highlight
not sure if this is explained anywhere prior. For posterity, might be helpful to allude to the COVID-19 Pandemic specifically.


Date: 5/3/2021 3:53:34 PM

 Page: 26 Author: Andrew.Reovan Subject: Highlight


might be helpful to note that the draft TIP is also posted to the OCPC website and allude to the discussion below of other outreach.

Is there a comment function via the website? Or a survey?


Date: 5/3/2021 3:53:45 PM

 Page: 27 Author: Andrew.Reovan Subject: Highlight
see prior - is there a comment function or survey via the website?

Date: 5/3/2021 3:57:56 PM


 Page: 28 Author: Andrew.Reovan Subject: Highlight
is there guaranteed representation for these communities on the MPO board? or was population the only factor?

Date: 5/3/2021 3:57:10 PM


 Page: 28 Author: Andrew.Reovan Subject: Highlight
might be helpful to highlight this process or discuss further how outreach is conducted and how EJ communities participate in decision-making.

Date: 5/3/2021 4:00:32 PM


 Page: 30 Author: Andrew.Reovan Subject: Highlight

 Page: 30 Author: Andrew.Reovan Subject: Highlight
is the 18% grouping not higher than the 17%?


Date: 5/3/2021 4:04:50 PM

 Page: 34 Author: Andrew.Reovan Subject: Highlight


Date: 5/3/2021 4:04:49 PM

 Page: 34 Author: Andrew.Reovan Subject: Highlight

Date: 5/3/2021 4:04:26 PM


 Page: 34 Author: Andrew.Reovan Subject: Highlight
is this because they are statewide projects?

Date: 5/3/2021 4:08:33 PM

 Page: 35 Author: Andrew.Reovan Subject: Sticky Note

Might be helpful to add a bullet, if possible, about any equity considerations. On glance, it appears highest concentration of Title VI population are in largest/densest cities, which corresponds with the notes above on population size.

Date: 5/3/2021 4:06:02 PM

 Page: 35 Author: Andrew.Reovan Subject: Highlight
should this be 2021?

**APPENDIX N - TIP PROJECT REVISION AND DEFINITION PROCEDURES,
AND APPROVED ADJUSTMENTS, ADMINISTRATIVE MODIFICATIONS,
AND AMENDMENTS**

MassDOT State Transportation Improvement Program (STIP) Project Revision Definitions and Procedures

The STIP is a “living” document and is likely to be modified during the course of the year. The definitions and procedures outlined in this section are followed when project based revisions to the STIP are necessary.

Definitions of STIP Revision Procedures

Amendment: A revision to the State Transportation Improvement Program (STIP) that requires public review and demonstration of financial constraint. The public process for a STIP amendment requires a publicly advertised 21-day public comment period and for MassDOT to address any public commentary prior to sending to the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) for review and approval.

Adjustment: A revision to the STIP that does not require a public process, but that is required to be included in a MassDOT STIP action with a demonstration of financial constraint for FHWA/FTA approval.

Administrative Modification: A revision to the STIP that is minor enough in nature to require neither a public process nor FHWA/FTA approval, but that does involve a notification to federal partners.

Highway Project STIP Revision Definitions and Procedures

Type of Revision	Definition	Procedure	Notes
Major Project Cost Change	Increase or decrease of \$500,000 or greater for projects programmed under \$5,000,000 and greater than 10% of the total cost for projects programmed over \$5,000,000.	Amendment	The “increase” or “decrease” in cost is relative to the Total Federal Participating Cost (TFPC) of a project.
Minor Project Cost Change	Increase or decrease of \$499,999 or less for projects programmed under \$5,000,000 and less than 10% of the total cost for projects programmed over \$5,000,000.	Adjustment	See above.
Project Description Change	Change in the description of the project as it is listed in the STIP.	Adjustment or Administrative Modification	Project description changes are treated as administrative modifications for minor changes (e.g. spelling errors, more detailed descriptions, adding mile-markers, etc.).
Major Project Scope Change	A revision to the project scope large enough to necessitate an additional review by MassDOT’s Project Review Committee (PRC) – typically accompanied by major project cost change.	Amendment	In some cases, a major scope change will require the initiation of a new project through MassDOT’s Project Initiation Form (PIF), and review/approval by PRC. This would require deactivation and removal of the currently programmed project.
Minor Project Scope Change	A minor revision to the project scope that does not significantly alter the original PRC-approved scope of work.	Adjustment	In many cases, changes in this category will also include a minor cost change.
Project Addition	The programming of a new project in any federal fiscal year of the active TIP.	Amendment or Adjustment	Project additions are treated as amendments if the project was not part of any previously approved STIP that has been vetted through the public process.
Project Removal	The removal of a project in any federal fiscal year of the active TIP.	Amendment	Exception: if a project is removed from an active TIP or the STIP due to it being previously advanced/advertised, or is moved to the statewide list from a regional TIP, the action would be considered an adjustment.
Change in Funding Source	A change in the project’s funding source, including federal and non-federal sources which fall within the project cost change revisions listed above.	Adjustment	Changes in funding sources for projects are permissible for advertisement purposes if the FHWA Division Office has been consulted.
Change in Additional Information	A change in any item listed in the “Additional Information” column of the STIP not covered in any other item listed here (e.g. earmark details, project proponent, etc.)	Administrative Modification	N/A
Change in Year of Programming	Moving a currently programmed project earlier or later than an originally programmed year.	Amendment	Changes to a project delivery schedule (advancement or delay) requires an amendment for the change in programmed FFY.

Transit Project STIP Revision Definitions and Procedures

Type of Revision	Definition	Procedure	Notes
Major Project Cost Change	Increase or decrease of \$500,000 or greater for projects under \$5,000,000 and greater than 10% of the total cost for projects exceeding \$5,000,000.	Amendment	The “increase” or “decrease” in cost is relative to the combined federal and non-federal aid participating cost of the project.
Minor Project Cost Change	Increase or decrease of \$499,999 or less for projects under \$5,000,000 and less than 10% of the total cost for projects exceeding \$5,000,000.	Adjustment	See above.
Project Description Change	Change in the description of the project as it is listed in the STIP.	Adjustment or Administrative Modification	Project description changes are treated as administrative modifications for minor changes (e.g. spelling errors, more detailed descriptions, etc.).
Major Project Scope Change	A revision to the project scope deemed large enough to require public review and comment (e.g. changing the number of stations)	Amendment	In many cases, changes in this category will also include a major cost change.
Minor Project Scope Change	A minor revision to the project scope that does not significantly alter the original scope of work (e.g. changes to the bus model for vehicle replacement projects).	Adjustment	In many cases, changes in this category will also include a minor cost change.
Project Addition	The programming of a new project in any federal fiscal year of the current TIP.	Amendment or Adjustment	Project additions are treated as amendments if the project was not part of any previously approved STIP that has been vetted through the public process.
Project Removal	The removal of a project in any federal fiscal year of the current TIP.	Amendment	Exception: if a project is removed from a TIP or the STIP due to it being previously advanced/advertised, or is moved to the statewide list from a regional TIP, the action would be considered an adjustment.
Change in Funding Source	Change in the funding source, including federal and non-federal sources that fall within project cost change revisions listed in the first two rows.	Adjustment	Changes in funding sources for projects are permissible for obligation purposes with written notice from the FTA region office.
Change in Year of Programming	Moving a currently programmed project earlier or later than the originally programmed year.	Amendment or Adjustment	<p>Note: Federal funds shall be programmed in the federal fiscal year in which the award will occur.</p> <p>Changes in year of programming are only treated as adjustments if they involve advancing federal funds to align with the year of the grant award.</p>

Exceptions

Although MassDOT typically holds a 21-day public comment period for amendments, in the event of extenuating circumstances beyond the agency's control, the comment period may be shortened or waived in consultation with FHWA Division Office and/or the FTA Regional Office. Additionally, MassDOT may make exceptions to the procedures outlined above and treat amendments as adjustments and/or adjustments as administrative modifications, but these exceptions will also require coordination with and concurrence by MassDOT's federal partners and the affected MPO.

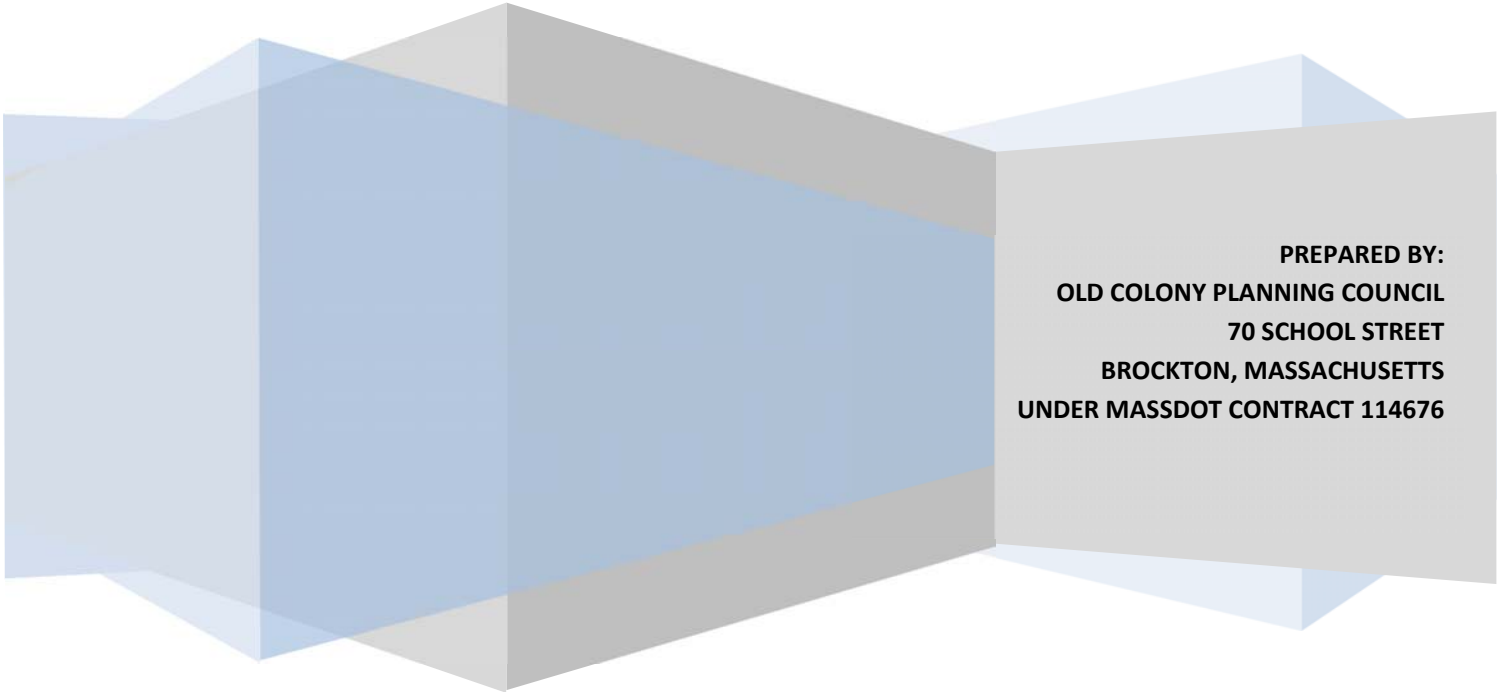
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT 2

ENDORSED BY THE OLD COLONY MPO

FOLLOWING AN ABBREVIATED COMMENT PERIOD

PREPARED IN COOPERATION WITH:

- **BROCKTON AREA TRANSIT AUTHORITY (BAT)**
- **FEDERAL HIGHWAY ADMINISTRATION (FHWA)**
- **FEDERAL TRANSIT ADMINISTRATION (FTA)**
- **MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)**
- **OLD COLONY PLANNING COUNCIL (OCPC)**

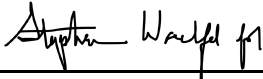


**PREPARED BY:
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET
BROCKTON, MASSACHUSETTS
UNDER MASSDOT CONTRACT 114676**

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

ENDORSEMENT OF
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM
(TIP) AMENDMENT 2

This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization (MPO) hereby endorse the FFY 2022-2026 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.



Jamey Tesler, Secretary and CEO
Massachusetts Department of Transportation (MassDOT);
Chair, Old Colony Metropolitan Planning Organization (OCMPO)

Date

**FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
AMENDMENT 2**

The Old Colony Transportation Improvement Program (TIP) is a program of capital improvements and operating assistance for the transportation system in the Old Colony Region. The Old Colony TIP lists projects (highway, bridge, and transit) and operational assistance that receive federal funds and may list some projects that do not receive federal funds.

As a result of the 2022 Federal Appropriations Act releasing the increased FFY 2022 Bipartisan Infrastructure Law (BIL) apportionments, there is an approximate \$3.2 million dollar increase in available regional targets funds in FFY 2022 of the Old Colony TIP.

Amendment 2 includes the following one (1) change:

FFY 2022

1. BROCKTON AREA TRANSIT (BAT) - BAT FLEX TO FTA BUY REPLACEMENT 35-FT BUS ELECTRIC (5)

- AMENDMENT: ADD PROJECT: BAT FLEX TO FTA TO BUY REPLACEMENT 35-FT BUS ELECTRIC (5). (Adding project to FFY 2022; Converting FTA 5307 (\$2,600,000) to Regional Target Dollars in FFY 22; BAT 5307 Carryover in the amount of \$108,333 to provide remaining federal share; Match provided by RTACAP; FTA Line Item is 11.12.02)



FFY 2022-2026 Old Colony TIP Amendment 2

STIP: 2022 - 2026 (A) Revision 5+

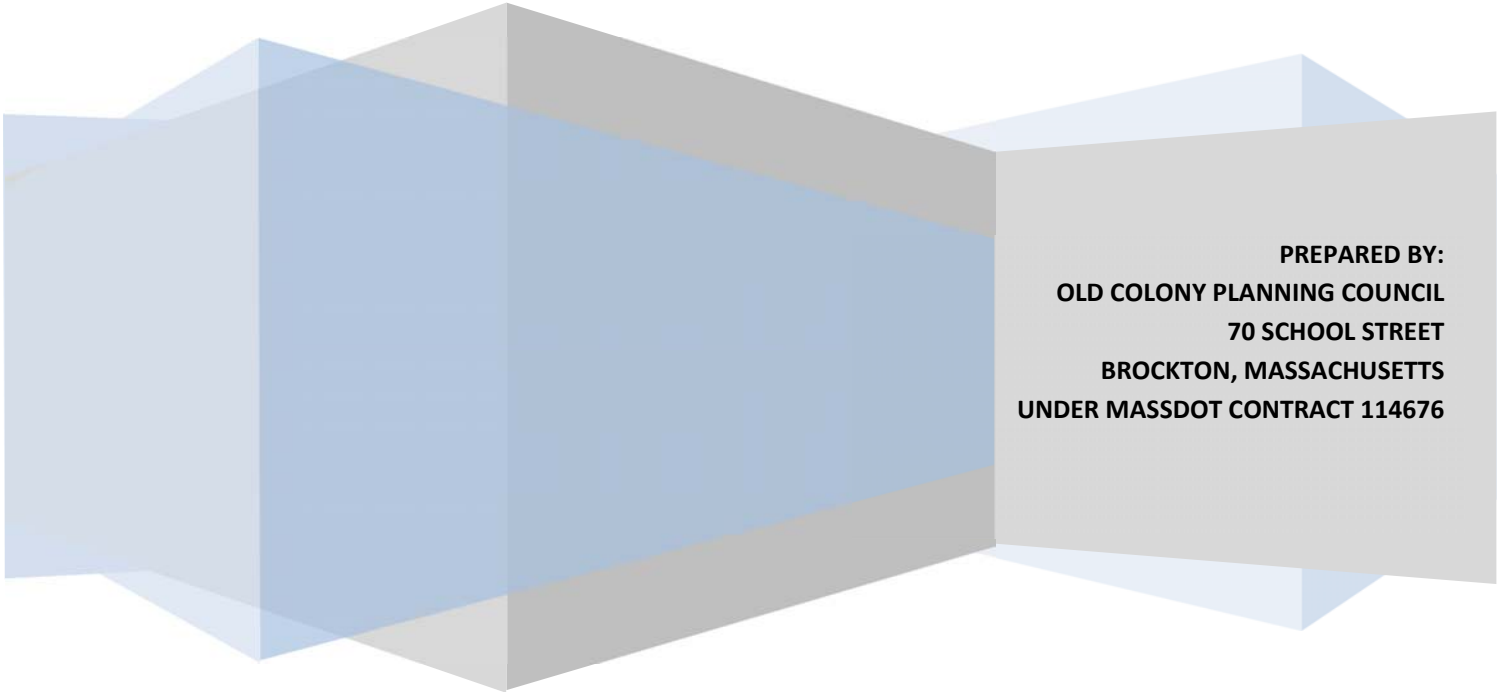
Year	MassDOT Project ID	MPO	Municipality	MassDOT Project Description	District	Funding Source	Adjusted TFPC	Total Programmed Funds	Federal Funds	Non-Federal Funds	Other Information
Federal Fiscal Year 2022								\$20,750,588	\$16,600,470	\$4,150,118	
Section 1A / Regionally Prioritized Projects								\$13,410,995	\$10,728,796	\$2,682,199	
Roadway Reconstruction								\$10,160,995	\$8,128,796	\$2,032,199	
2022	600380	Old Colony	Pembroke	PEMBROKE- REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	CMAQ	\$11,176,096	\$1,139,886	\$911,909	\$227,977	a) Construction; b) Total Project Cost = \$10,160,995 w/ \$8,676,301 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
2022	600380	Old Colony	Pembroke	PEMBROKE- REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	STBG	\$11,176,096	\$8,676,301	\$6,941,041	\$1,735,260	a) Construction; b) Total Project Cost = \$10,160,995 w/ \$8,676,301 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
2022	600380	Old Colony	Pembroke	PEMBROKE- REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	TAP	\$11,176,096	\$344,808	\$275,846	\$68,962	a) Construction; b) Total Project Cost = \$10,160,995 w/ \$8,676,301 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
Flex to FTA								\$3,250,000	\$2,600,000	\$650,000	
2022	S12738	Old Colony		BAT FLEX TO FTA FOR BAT - BUY REPLACEMENT 35-FT BUS ELECTRIC (5)		STBG	\$5,416,667	\$3,250,000	\$2,600,000	\$650,000	Adding project to FFY 2022; Converting FTA 5307 (\$2,600,000) to Regional Target Dollars in FFY 22; BAT 5307 Carryover in the amount of \$108,333 to provide remaining federal share; Match provided by RTACAP; FTA Line Item is 11.12.02
Section 2A / State Prioritized Reliability Projects								\$7,339,593	\$5,871,674	\$1,467,919	
Non-Interstate Pavement								\$7,339,593	\$5,871,674	\$1,467,919	
2022	608496	Old Colony	Multiple	AVON- STOUGHTON- RESURFACING AND RELATED WORK ON ROUTE 24	5	NHPP	\$7,340,013	\$7,339,593	\$5,871,674	\$1,467,919	

FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) ADJUSTMENT 1

ENDORSED BY THE OLD COLONY MPO ON JUNE 21, 2022

PREPARED IN COOPERATION WITH:

- BROCKTON AREA TRANSIT AUTHORITY (BAT)
- FEDERAL HIGHWAY ADMINISTRATION (FHWA)
- FEDERAL TRANSIT ADMINISTRATION (FTA)
- MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)
- OLD COLONY PLANNING COUNCIL (OCPC)



PREPARED BY:
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET
BROCKTON, MASSACHUSETTS
UNDER MASSDOT CONTRACT 114676

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
ENDORSEMENT OF
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
ADJUSTMENT 1

This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization, at their Old Colony MPO meeting on June 21, 2022, hereby approve and endorse the FFY 2022-2026 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.



Jamey Tesler, Secretary and CEO
Massachusetts Department of Transportation (MassDOT);
Chair, Old Colony Metropolitan Planning Organization (OCMPO)

Date

**FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
ADJUSTMENT 1**

The Old Colony Transportation Improvement Program (TIP) is a program of capital improvements and operating assistance for the transportation system in the Old Colony Region. The Old Colony TIP lists projects (highway, bridge, and transit) and operational assistance that receive federal funds and may list some projects that do not receive federal funds.

Adjustment 1 includes the following changes:

FFY 2022

5307

- **BROCKTON AREA TRANSIT (BAT) - BAT - BUY REPLACEMENT 40-FT BUS - (3)**
 - ADJUSTMENT: INCREASE FUNDING
 - COST IS \$1,459,250 (+\$1,015,500); (\$355,000 FEDERAL; \$1,104,250 (+\$1,015,500) STATE)

5339

- **BROCKTON AREA TRANSIT (BAT) - BAT - BUY REPLACEMENT 40-FT BUS - (3)**
 - ADJUSTMENT: NO CHANGE
 - COST IS \$395,000; (\$395,000 FEDERAL; \$98,750 TRANSPORTATION DEVELOPEMNT CREDITS)

OTHER FEDERAL

- **BROCKTON AREA TRANSIT (BAT) - BAT - BUY REPLACEMENT 40-FT BUS - (3)**
 - ADJUSTMENT: REMOVE PROJECT (FUNDING SOURCE)
 - COST IS \$0 (-\$562,500); (\$0 FEDERAL (-\$450,000); \$0 STATE (-\$112,500))

NOTE:

PREVIOUS TOTAL PROJECT COST: \$1,401,250

ADJUSTED TOTAL PROJECT COST: \$1,854,250 (+\$453,000)

Transportation Improvement Program (TIP)

ADJUSTMENT 1

Project List (FY2022)

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009901	Brockton Area Transit Authority	113403	BAT - TERMINAL, INTERMODAL CENTRE - Pavement Management	2020 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
5307	RTD0009907	Brockton Area Transit Authority	111240	BAT - BUY ASSOC CAP MAINT ITEMS	2020 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009899	Brockton Area Transit Authority	300901	BAT - OPERATING ASSISTANCE	2020 - \$691,856; 2021 - \$1,908,144	\$2,600,000	\$2,600,000	\$0	\$0	\$5,200,000
5307	RTD0009896	Brockton Area Transit Authority	114220	BAT - ACQUIRE - MISC SUPPORT EQUIPMENT	2020 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5307	RTD0009900	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$355,000	\$1,104,250	\$0	\$0	\$1,459,250
5307	RTD0009897	Brockton Area Transit Authority	114211	BAT - ACQUIRE REPLACEMENT SUPPORT VEHICLE - (1)	2020 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
5307	RTD0010173	Brockton Area Transit Authority	114206	BAT - ACQUIRE SHOP EQUIPMENT Lifts and Equipment	2020 - \$320,000	\$320,000	\$80,000	\$0	\$0	\$400,000
Subtotal						\$3,671,000	\$3,883,250	\$0	\$0	\$7,554,250
5309										
Subtotal						\$0	\$0	\$0	\$0	\$0
5310										
Subtotal						\$828,404	\$59,928	\$0	\$311,423	\$1,199,755
5311										
Subtotal						\$0	\$0	\$0	\$0	\$0
5337										
Subtotal						\$0	\$0	\$0	\$0	\$0
5339										
5339	RTD0010409	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$395,000	\$0	\$98,750	\$0	\$395,000
Subtotal						\$395,000	\$0	\$98,750	\$0	\$395,000
5320										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Federal										
	RTD0010410	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$450,000	\$112,500	\$0	\$0	\$562,500
Subtotal						\$450,000	\$112,500	\$0	\$0	\$562,500
Other Non-Federal										
Other Non-Federal	RTD0009918	Brockton Area Transit Authority	113206	BAT - ACQUIRE - STATIONARY BUS FARE COLL EQUIP Fixed Route		\$0	\$400,000	\$0	\$0	\$400,000
Subtotal						\$0	\$400,000	\$0	\$0	\$400,000
Total						\$4,894,404	\$4,343,178	\$98,750	\$311,423	\$9,549,005

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

Change

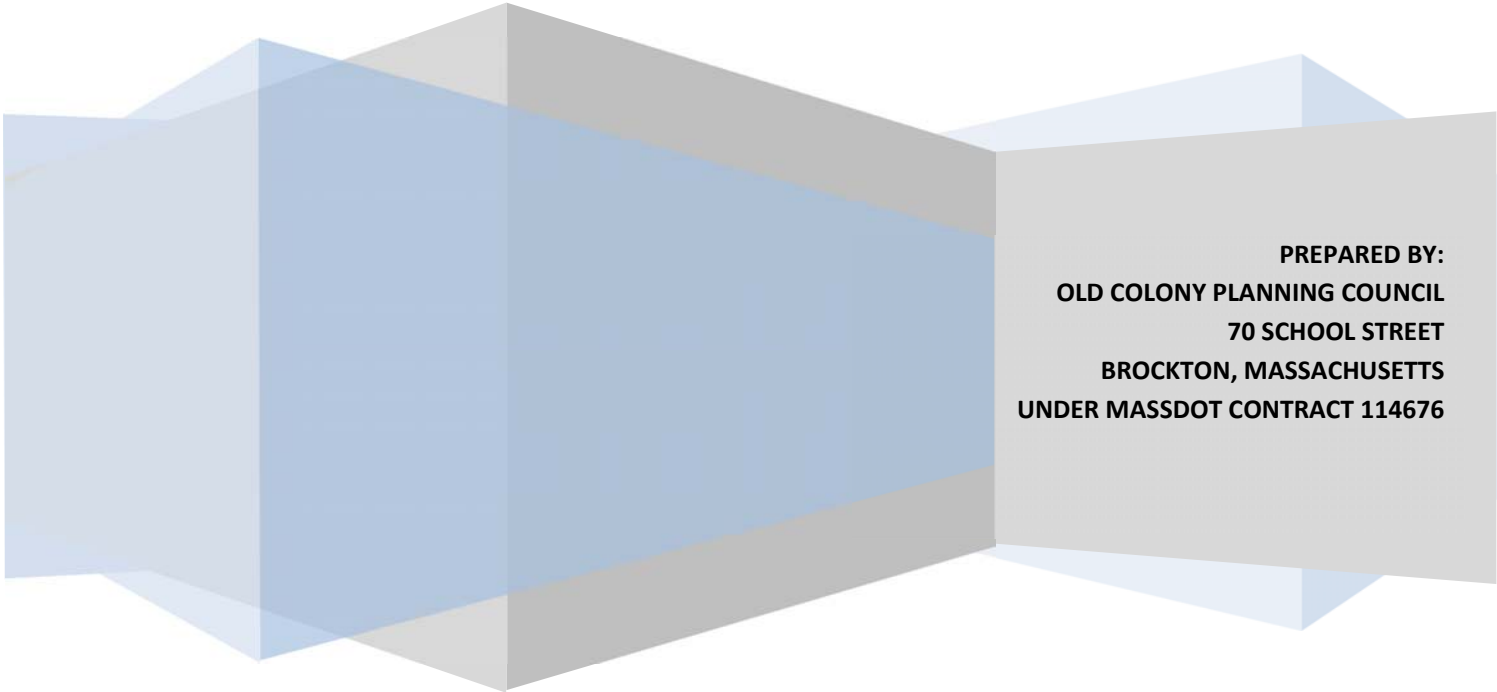
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FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) ADJUSTMENT 2

ENDORSED BY THE OLD COLONY MPO ON JULY 19, 2022

PREPARED IN COOPERATION WITH:


- **BROCKTON AREA TRANSIT AUTHORITY (BAT)**
- **FEDERAL HIGHWAY ADMINISTRATION (FHWA)**
- **FEDERAL TRANSIT ADMINISTRATION (FTA)**
- **MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)**
- **OLD COLONY PLANNING COUNCIL (OCPC)**



**PREPARED BY:
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET
BROCKTON, MASSACHUSETTS
UNDER MASSDOT CONTRACT 114676**

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
ENDORSEMENT OF
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
ADJUSTMENT 2

This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization, at their Old Colony MPO meeting on July 19, 2022 hereby approve and endorse the FFY 2022-2026 Old Colony Transportation Improvement Program (TIP) Adjustment 2 in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.



Jamey Tesler, Secretary and CEO
Massachusetts Department of Transportation (MassDOT);
Chair, Old Colony Metropolitan Planning Organization (OCMPO)

Date

**FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
ADJUSTMENT 2**

The Old Colony Transportation Improvement Program (TIP) is a program of capital improvements and operating assistance for the transportation system in the Old Colony Region. The Old Colony TIP lists projects (highway, bridge, and transit) and operational assistance that receive federal funds and may list some projects that do not receive federal funds.

ADJUSTMENT 2 INCLUDES THE FOLLOWING FIVE (5) CHANGES:

FFY 2022

5307

1. **BROCKTON AREA TRANSIT (BAT) - BUY ASSOCIATED CAPITAL MAINTENANCE ITEMS**
 - ADJUSTMENT: INCREASE FUNDING
 - COST IS \$100,164 (+\$164); (\$80,000 FEDERAL; \$20,164 (+\$164) STATE)

2. **BROCKTON AREA TRANSIT (BAT) - ACQUIRE MISCELLANEOUS SUPPORT EQUIPMENT**
 - ADJUSTMENT: INCREASE FUNDING
 - COST IS \$125,235 (+\$25,235); (\$80,000 FEDERAL; \$45,235 (+\$25,235) STATE)

3. **BROCKTON AREA TRANSIT (BAT) - BUY REPLACEMENT 40-FT BUS - (3)**
 - ADJUSTMENT: INCREASE FUNDING
 - COST IS \$1,483,153 (+\$23,903); (\$355,000 FEDERAL; \$1,128,153 (+\$23,903) STATE)

4. **BROCKTON AREA TRANSIT (BAT) - ACQUIRE SHOP EQUIPMENT LIFTS AND EQUIPMENT**
 - ADJUSTMENT: DECREASE FUNDING
 - COST IS \$383,861 (-\$16,139); (\$320,000 FEDERAL; \$63,861 (-\$16,139) STATE)

OTHER NON FEDERAL

5. **BROCKTON AREA TRANSIT (BAT) - ACQUIRE STATIONARY BUS FARE COLLECTION EQUIPMENT - FIXED ROUTE**
 - ADJUSTMENT: DECREASE FUNDING
 - COST IS \$366,837 (-\$33,163); (\$0 FEDERAL; \$366,837 STATE (-\$33,163))

Transportation Improvement Program (TIP)
Project List (FY2022)

REVISED TIP AMENDMENT 3
TIP ADJUSTMENT 2

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009901	Brockton Area Transit Authority	113403	BAT - TERMINAL, INTERMODAL CENTRE - Pavement Management	2020 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
5307	RTD0009907	Brockton Area Transit Authority	111240	BAT - BUY ASSOC CAP MAINT ITEMS	2020 - \$80,000	\$80,000	\$20,164	\$0	\$0	\$100,164
5307	RTD0009899	Brockton Area Transit Authority	300901	BAT - OPERATING ASSISTANCE	2020 - \$691,856; 2021 - \$1,908,144	\$2,600,000	\$2,600,000	\$0	\$0	\$5,200,000
5307	RTD0009896	Brockton Area Transit Authority	114220	BAT - ACQUIRE - MISC SUPPORT EQUIPMENT	2020 - \$80,000	\$80,000	\$45,235	\$0	\$0	\$125,235
5307	RTD0009900	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3) BAT - ACQUIRE REPLACEMENT SUPPORT VEHICLE - (1)		\$355,000	\$1,128,153	\$0	\$0	\$1,483,153
5307	RTD0009897	Brockton Area Transit Authority	114211	BAT - ACQUIRE SHOP EQUIPMENT Lifts and Equipment	2020 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
5307	RTD0010173	Brockton Area Transit Authority	114206		2020 - \$320,000	\$320,000	\$63,861	\$0	\$0	\$383,861
Subtotal						\$3,671,000	\$3,916,413	\$0	\$0	\$7,587,413
5309										
Subtotal						\$0	\$0	\$0	\$0	\$0
5310										
5310	RTD0010512	Brockton Area Transit Authority	111204	BUY REPLACEMENT <30 FT BUS (5)		\$239,710	\$59,928	\$0	\$0	\$299,638
5310	RTD0007898	Brockton Area Transit Authority	300901	OPERATING ASSISTANCE - Avon/Stoughton		\$30,000	\$0	\$0	\$30,000	\$60,000
5310	RTD0010534	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Rockland Flex		\$84,000	\$0	\$0	\$84,000	\$168,000
5310	RTD0010532	Old Colony Planning Council	300901	UP TO 50% FEDERAL SHARE		\$30,000	\$0	\$0	\$30,000	\$60,000
5310	RTD0010479	South Shore Community Action Council, Inc.	111215	BUY REPLACEMENT VAN		\$344,694	\$0	\$0	\$86,173	\$430,867
5310	RTD0010481	South Shore Community Action Council, Inc.	300900	OPERATING ASSISTANCE		\$75,000	\$0	\$0	\$75,000	\$150,000
5310	RTD0010491	South Shore Community Action Council, Inc.	440000	PLANNING		\$25,000	\$0	\$0	\$6,250	\$31,250
Subtotal						\$828,404	\$59,928	\$0	\$311,423	\$1,199,755
5311										
Subtotal						\$0	\$0	\$0	\$0	\$0
5337										
Subtotal						\$0	\$0	\$0	\$0	\$0
5339										
5339	RTD0010409	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$395,000	\$0	\$98,750	\$0	\$395,000
Subtotal						\$395,000	\$0	\$98,750	\$0	\$395,000
5320										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Federal										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Non-Federal										
Other Non-Federal	RTD0009918	Brockton Area Transit Authority	113206	BAT - ACQUIRE - STATIONARY BUS FARE COLL EQUIP Fixed Route		\$0	\$366,837	\$0	\$0	\$366,837
Other Non-Federal	RTD0010526	Brockton Area Arc, Inc.	111315	BUY VAN FOR SVC EXPANSION		\$0	\$41,600	\$0	\$10,400	\$52,000
Subtotal						\$0	\$408,437	\$0	\$10,400	\$418,837
Total						\$4,894,404	\$4,384,778	\$98,750	\$321,823	\$9,601,005

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

REVISED TIP AMENDMENT 3 - Add Projects (Amendment 3) Endorsed by Old Colony MPO on July 19, 2022.

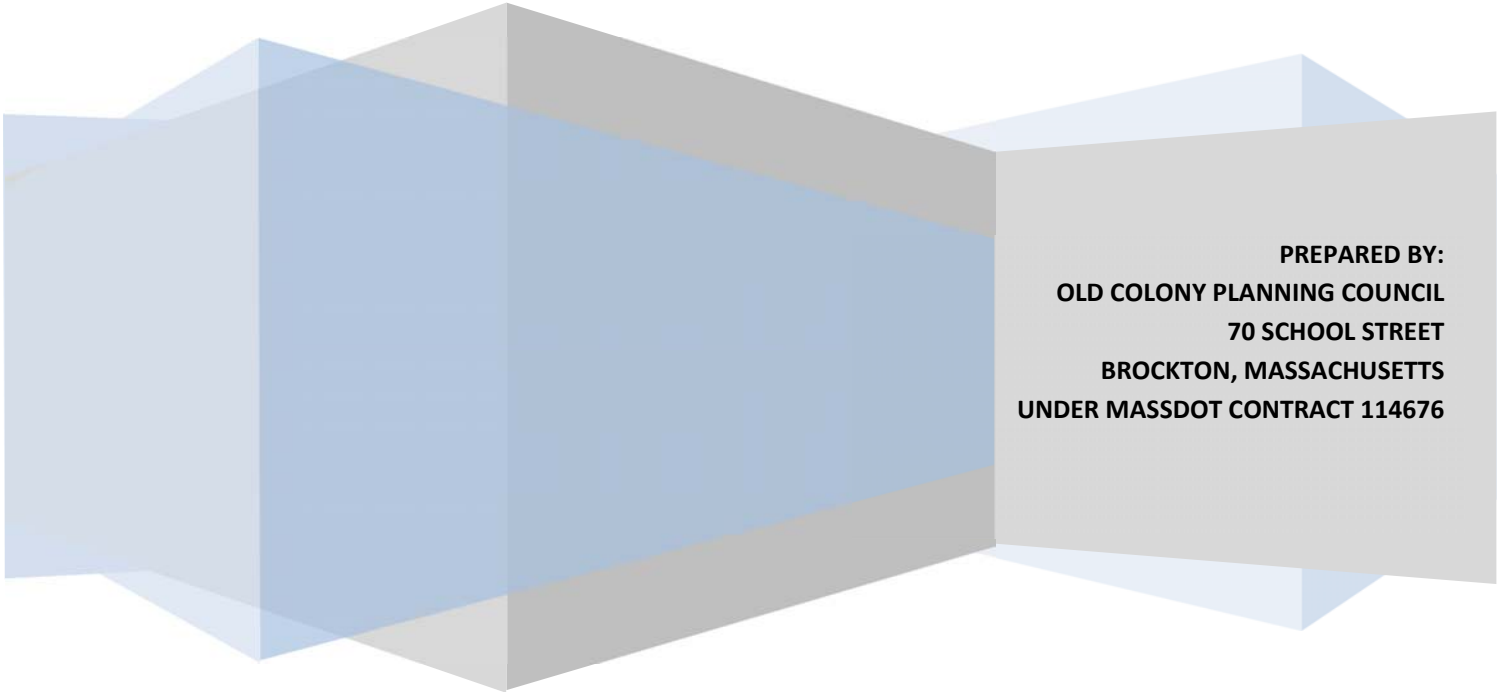
ADJUSTMENT 2 - Revised Project Costs (Adjustment 2) Endorsed by Old Colony MPO on July 19, 2022.

FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT 3

ENDORSED BY THE OLD COLONY MPO ON JULY 19, 2022

PREPARED IN COOPERATION WITH:

- **BROCKTON AREA TRANSIT AUTHORITY (BAT)**
- **FEDERAL HIGHWAY ADMINISTRATION (FHWA)**
- **FEDERAL TRANSIT ADMINISTRATION (FTA)**
- **MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT)**
- **OLD COLONY PLANNING COUNCIL (OCPC)**



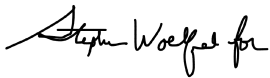
**PREPARED BY:
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET
BROCKTON, MASSACHUSETTS
UNDER MASSDOT CONTRACT 114676**

OLD COLONY METROPOLITAN PLANNING ORGANIZATION (MPO)

FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

**ENDORSEMENT OF
FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
AMENDMENT 3**

This is to certify that the Signatories of the Old Colony Metropolitan Planning Organization, at their Old Colony MPO meeting on July 19, 2022 hereby approve and endorse the FFY 2022-2026 Old Colony Transportation Improvement Program (TIP) Amendment 3 in its entirety for the Old Colony Region, in accordance with the certified 3C Transportation Planning Process.



Jamey Tesler, Secretary and CEO
Massachusetts Department of Transportation (MassDOT);
Chair, Old Colony Metropolitan Planning Organization (OCMPO)

Date

**FFY 2022-2026 OLD COLONY TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
AMENDMENT 3**

The Old Colony Transportation Improvement Program (TIP) is a program of capital improvements and operating assistance for the transportation system in the Old Colony Region. The Old Colony TIP lists projects (highway, bridge, and transit) and operational assistance that receive federal funds and may list some projects that do not receive federal funds.

Amendment 3 includes the following seven (7) changes:

FFY 2022

5310

1. BROCKTON AREA TRANSIT (BAT)
 - AMENDMENT: ADD PROJECT - BUY REPLACEMENT <30 FT BUS (5)
 - COST IS \$299,638 (\$239,710 FEDERAL; \$59,928 STATE)

2. BROCKTON AREA TRANSIT (BAT)
 - AMENDMENT: ADD PROJECT - OPERATING ASSISTANCE - AVON/STOUGHTON
 - COST IS \$60,000 (\$30,000 FEDERAL; \$30,000 LOCAL)

3. BROCKTON AREA TRANSIT (BAT)
 - AMENDMENT: ADD PROJECT - OPERATING ASSISTANCE FOR ROCKLAND FLEX
 - COST IS \$168,000 (\$84,000 FEDERAL; \$84,000 LOCAL)

4. OLD COLONY PLANNING COUNCIL (OCPC)
 - AMENDMENT: ADD PROJECT - OPERATING ASSISTANCE FOR VOLUNTEER TRANSPORTATION PROGRAM (VTP)
 - COST IS \$60,000 (\$30,000 FEDERAL; \$30,000 LOCAL)

5. SOUTH SHORE COMMUNITY ACTION COUNCIL (SSCAC)
 - AMENDMENT: ADD PROJECT - BUY REPLACEMENT VANS (6)
 - COST IS \$430,867 (\$344,694 FEDERAL; \$86,173 LOCAL)

6. SOUTH SHORE COMMUNITY ACTION COUNCIL (SSCAC)
 - AMENDMENT: ADD PROJECT - OPERATING ASSISTANCE TO SUPPORT SSCAC TRANSPORTATION PROGRAM
 - COST IS \$150,000 (\$75,000 FEDERAL; \$75,000 LOCAL)

7. SOUTH SHORE COMMUNITY ACTION COUNCIL (SSCAC)
 - AMENDMENT: ADD PROJECT - PLANNING
 - COST IS \$31,250 (\$25,000 FEDERAL; \$6,250 LOCAL)

8. BROCKTON AREA ARC, INC.
 - AMENDMENT: ADD PROJECT - BUY VAN FOR SERVICE EXPANSION (1)
 - COST IS \$52,000 (\$41,600 FEDERAL; \$10,400 STATE)

Transportation Improvement Program (TIP)
Project List (FY2022)

REVISED TIP AMENDMENT 3
TIP ADJUSTMENT 2

FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307										
5307	RTD0009901	Brockton Area Transit Authority	113403	BAT - TERMINAL, INTERMODAL CENTRE - Pavement Management	2020 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
5307	RTD0009907	Brockton Area Transit Authority	111240	BAT - BUY ASSOC CAP MAINT ITEMS	2020 - \$80,000	\$80,000	\$20,164	\$0	\$0	\$100,164
5307	RTD0009899	Brockton Area Transit Authority	300901	BAT - OPERATING ASSISTANCE	2020 - \$691,856; 2021 - \$1,908,144	\$2,600,000	\$2,600,000	\$0	\$0	\$5,200,000
5307	RTD0009896	Brockton Area Transit Authority	114220	BAT - ACQUIRE - MISC SUPPORT EQUIPMENT	2020 - \$80,000	\$80,000	\$45,235	\$0	\$0	\$125,235
5307	RTD0009900	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3) BAT - ACQUIRE REPLACEMENT SUPPORT VEHICLE - (1)		\$355,000	\$1,128,153	\$0	\$0	\$1,483,153
5307	RTD0009897	Brockton Area Transit Authority	114211	BAT - ACQUIRE SHOP EQUIPMENT Lifts and Equipment	2020 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
5307	RTD0010173	Brockton Area Transit Authority	114206		2020 - \$320,000	\$320,000	\$63,861	\$0	\$0	\$383,861
Subtotal						\$3,671,000	\$3,916,413	\$0	\$0	\$7,587,413
5309										
Subtotal						\$0	\$0	\$0	\$0	\$0
5310										
5310	RTD0010512	Brockton Area Transit Authority	111204	BUY REPLACEMENT <30 FT BUS (5)		\$239,710	\$59,928	\$0	\$0	\$299,638
5310	RTD0007898	Brockton Area Transit Authority	300901	OPERATING ASSISTANCE - Avon/Stoughton		\$30,000	\$0	\$0	\$30,000	\$60,000
5310	RTD0010534	Brockton Area Transit Authority	300900	OPERATING ASSISTANCE - Rockland Flex		\$84,000	\$0	\$0	\$84,000	\$168,000
5310	RTD0010532	Old Colony Planning Council	300901	UP TO 50% FEDERAL SHARE		\$30,000	\$0	\$0	\$30,000	\$60,000
5310	RTD0010479	South Shore Community Action Council, Inc.	111215	BUY REPLACEMENT VAN		\$344,694	\$0	\$0	\$86,173	\$430,867
5310	RTD0010481	South Shore Community Action Council, Inc.	300900	OPERATING ASSISTANCE		\$75,000	\$0	\$0	\$75,000	\$150,000
5310	RTD0010491	South Shore Community Action Council, Inc.	440000	PLANNING		\$25,000	\$0	\$0	\$6,250	\$31,250
Subtotal						\$828,404	\$59,928	\$0	\$311,423	\$1,199,755
5311										
Subtotal						\$0	\$0	\$0	\$0	\$0
5337										
Subtotal						\$0	\$0	\$0	\$0	\$0
5339										
5339	RTD0010409	Brockton Area Transit Authority	111201	BAT - BUY REPLACEMENT 40-FT BUS - (3)		\$395,000	\$0	\$98,750	\$0	\$395,000
Subtotal						\$395,000	\$0	\$98,750	\$0	\$395,000
5320										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Federal										
Subtotal						\$0	\$0	\$0	\$0	\$0
Other Non-Federal										
Other Non-Federal	RTD0009918	Brockton Area Transit Authority	113206	BAT - ACQUIRE - STATIONARY BUS FARE COLL EQUIP Fixed Route		\$0	\$366,837	\$0	\$0	\$366,837
Other Non-Federal	RTD0010526	Brockton Area Arc, Inc.	111315	BUY VAN FOR SVC EXPANSION		\$0	\$41,600	\$0	\$10,400	\$52,000
Subtotal						\$0	\$408,437	\$0	\$10,400	\$418,837
Total						\$4,894,404	\$4,384,778	\$98,750	\$321,823	\$9,601,005

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

REVISED TIP AMENDMENT 3 - Add Projects (Amendment 3) Endorsed by Old Colony MPO on July 19, 2022.

ADJUSTMENT 2 - Revised Project Costs (Adjustment 2) Endorsed by Old Colony MPO on July 19, 2022.