3225 MAIN STREET • P.O. BOX 226
BARNSTABLE, MASSACHUSETTS 02630

(508) 362-3828 • Fax (508) 362-3136 • www.capecodcommission.org

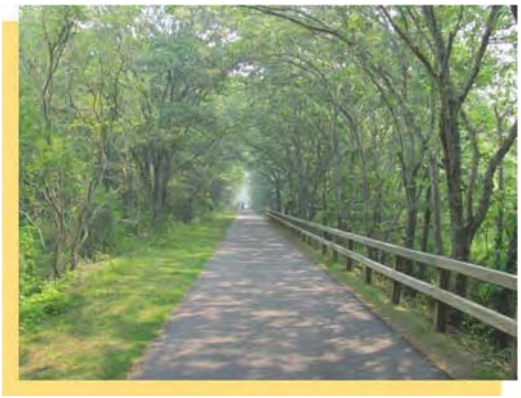
CAPE COD COMMISSION

Cape Cod Metropolitan Planning Organization (MPO)

Cape Cod Transportation Improvement Program (TIP) Federal Fiscal Years 2015 – 2018

Endorsed: June 23, 2014

Draft Amendment April 27, 2015



CAPE COD
COMMISSION

Cape Cod Metropolitan Planning Organization

Cape Cod
Transportation Improvement Program (TIP)

Federal Fiscal Years 2015, 2016, 2017, and 2018
(October 1, 2014 – September 30, 2015)

June 23, 2014

Prepared by the
Cape Cod Metropolitan Planning Organization (MPO) Members:
Richard A. Davey, Secretary / Chief Executive Officer, Massachusetts Department of Transportation (MassDOT)
Francis A. DePaola, P.E., Administrator, Massachusetts Department of Transportation, Highway Division
Jack McCormack, Chairman, Cape Cod Commission
Tom Guerino, Chairman, Cape Cod Regional Transit Authority
William Doherty, MPO Representative, Barnstable County Commissioners
Jason Steiding, Mashpee Wampanoag Tribe
Jessica Rapp Grassetti, President, Barnstable Town Council
Michael Richardson, Mashpee Selectmen, for Sub-Region A: Bourne, Falmouth, Mashpee, Sandwich
Curtis Sears, Yarmouth Selectmen, for Sub-Region B: Dennis and Yarmouth
Sims McGrath, Orleans Selectmen, for Sub-Region C: Brewster, Chatham, Harwich, Orleans
Austin Knight, Provincetown Selectmen, for Sub-Region D: Eastham, Wellfleet, Truro, Provincetown

MPO Ex-Officio Members:
Pamela S. Stephenson, Federal Highway Administration (FHWA)
Mary Beth Mello, Federal Transit Administration (FTA)
Lawrence T. Davis, Army Corps of Engineers / Cape Cod Canal
Wayne Lamson, Woods Hole, Martha's Vineyard, and Nantucket Steamship Authority (SSA)
George Price, National Park Service / Cape Cod National Seashore (CCNS)
Joseph A. Rodricks, P.E., Cape Cod Joint Transportation Committee

and the
Cape Cod Joint Transportation Committee
Joseph Rodricks, P.E., Chairman, Dennis
Neil Andres, Vice-Chairman, Eastham

Cape Cod Commission TIP Staff Contact:
Glenn Cannon, P.E., Technical Services Director, Cape Cod Commission

This report was funded in part through grants from the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), United States Department of Transportation (USDOT). The views and opinions of the Cape Cod Metropolitan Planning Organization (MPO) expressed herein do not necessarily state or reflect those of the USDOT.

CAPE COD
COMMISSION

CAPE COD COMMISSION

ENDORSEMENT, TIP

The signatures to follow certify that the Cape Cod Metropolitan Planning Organization (MPO) hereby endorses the Cape Cod Transportation Improvement Program (TIP) for Federal Fiscal Years 2015 - 2018 in fulfillment of the requirements of 23 CFR Part 450.324.

CERTIFICATION:

The Cape Cod Metropolitan Planning Organization (MPO) Planning Process

The signatures to follow certify that the Comprehensive, Continuing, Cooperative Transportation Planning Process for the current local, regional, state, and federal fiscal years in the Cape Cod Metropolitan Planning Organization planning area is addressing major issues facing the region and is being conducted in accordance with the requirements of:

1. Section 134 Title 23, U.S.C., and Title 49 U.S.C. 5303, and this subpart;
2. Sections 174 and 176(c) & (d) of the Clean Air Act, as amended {42 U.S.C. 7504, 7506 (c) & (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 Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises (DBE) in USDOT funded projects;
6. Title 23 CRF 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, a Member of Congress, in connection with the awarding of any Federal contract.

The currently endorsed Unified Planning Work Program, Regional Transportation Plan, and the Cape Cod Transportation Improvement Program (TIP) for Federal Fiscal Years 2013-2016 were developed in accordance with FHWA/FTA regulations, EPA regulations, and fully incorporate the applicable requirements of the 1964 Civil Rights Act and the Americans with Disabilities Act of 1990.

CAPE COD
COMMISSION

Cape Cod Metropolitan Planning Organization (MPO)

CAPE COD TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

CAPE COD COMMISSION

SIGNATORY CERTIFICATION:

Date: June 23, 2014

Richard A. Davey, Secretary/ CEO
Massachusetts Department of Transportation (MassDOT)

Francis A. DePaola, P.E., Administrator
MassDOT Highway Division

Jack McCormack, Chairman
Cape Cod Commission

William Doherty, MPO Representative
Barnstable County Commissioners

Tom Guerino, Chairman
Cape Cod Regional Transit Authority
Alternate authorized

Jason Steiding, Representative
Mashpee Wampanoag Tribal Council

Jessica Rapp Grassetti, Chairman
Barnstable Town Council

Michael Richardson, Mashpee
Sub-Region A: Bourne, Falmouth, Mashpee, and Sandwich

Curtis Sears, Yarmouth
Sub-Region B: Dennis and Yarmouth

Sims McGrath, Orleans
Sub-Region C: Brewster, Chatham, Harwich, and Orleans
Alternate authorized

Austin Knight, Provincetown
Sub-Region D: Eastham, Wellfleet, Truro, and Provincetown

CAPE COD
COMMISSION

Table of Contents

CAPE COD COMMISSION

Introduction 1

FEDERAL TRANSPORTATION LEGISLATION 1
Air Quality Conformity Status 2
Cape Cod Transportation Improvement Program and MPO 5
Public Participation Process 8
Adjustment/Amendment Procedures and Substitutions 9

Administrative Adjustment Process 10

Amendment Process 10

Transportation Funding Programs 11

CAPE COD TIP PROJECTS 18

CAPE COD PROJECTS, Federal Aid and Non Federal Aid 18

Summary Of Funding For Cape Cod Highway Projects 18

Federal Highway Administration Funded Projects 2015-2018 20

Federal Transit Authority Administration Funded Projects 2015-2018 28

Appendices

Status of Previous TIP Projects
Projects in Need of Funding
Glossary
Greenhouse Gas Emissions
Statewide Tables
Comments on Public Draft

Introduction

CAPE COD COMMISSION

Federal legislation that contains requirements for transportation plans, programs and projects includes the current legislation: *Moving Ahead for Progress in the 21st Century* (MAP-21) and the outgoing legislation: *Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users* (SAFETEA-LU) as well as the *Clean Air Act Amendments of 1990* (CAAA). Planning programs developed under the federal regulations for Cape Cod include the Regional Transportation Plan (RTP) and the Transportation Improvement Program (TIP). The following figure, "Overview of the Transportation Planning Process" is a flow chart of the planning process.

FEDERAL TRANSPORTATION LEGISLATION

Moving Ahead for Progress in the 21st Century – Transforming the Way We Build, Maintain, and Manage Our Nation's Highways (MAP-21):

MAP 21 The continues similar programs as were in the previous legislation, such as the *Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users* (SAFETEA-LU), the *Transportation Equity Act for the 21st Century* (TEA-21), and the landmark *Intermodal Surface Transportation Efficiency Act of 1991* (ISTEA).

On July 6, 2012, President Obama signed into law P.L. 112-141, the Moving Ahead for Progress in the 21st Century Act (MAP-21). Funding surface transportation programs at over $105 billion for fiscal years (FY) 2013 and 2014, MAP-21 is the first long-term highway authorization enacted since 2005. MAP-21 represents a milestone for the U.S. economy – it provides needed funds and, more importantly, it transforms the policy and programmatic framework for investments to guide the growth and development of the country's vital transportation infrastructure.

MAP-21 creates a streamlined, performance-based, and multimodal program to address the many challenges facing the U.S. transportation system. These challenges include improving safety, maintaining infrastructure condition, reducing traffic congestion, improving efficiency of the system and freight movement, protecting the environment, and reducing delays in project delivery.

CAPE COD COMMISSION

AIR QUALITY CONFORMITY STATUS

Since most all of Massachusetts (with limited exceptions) was designated on 5/21/12 by the United States Environmental Protection Agency as "unclassifiable/ attainment" for the latest ozone standard, a conformity determination for the Cape Cod Metropolitan Planning Organization (MPO) 2015 -2018 TIP is not required. Further details and background information are provided below:

Introduction

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

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

Legislative and Regulatory Background

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

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

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

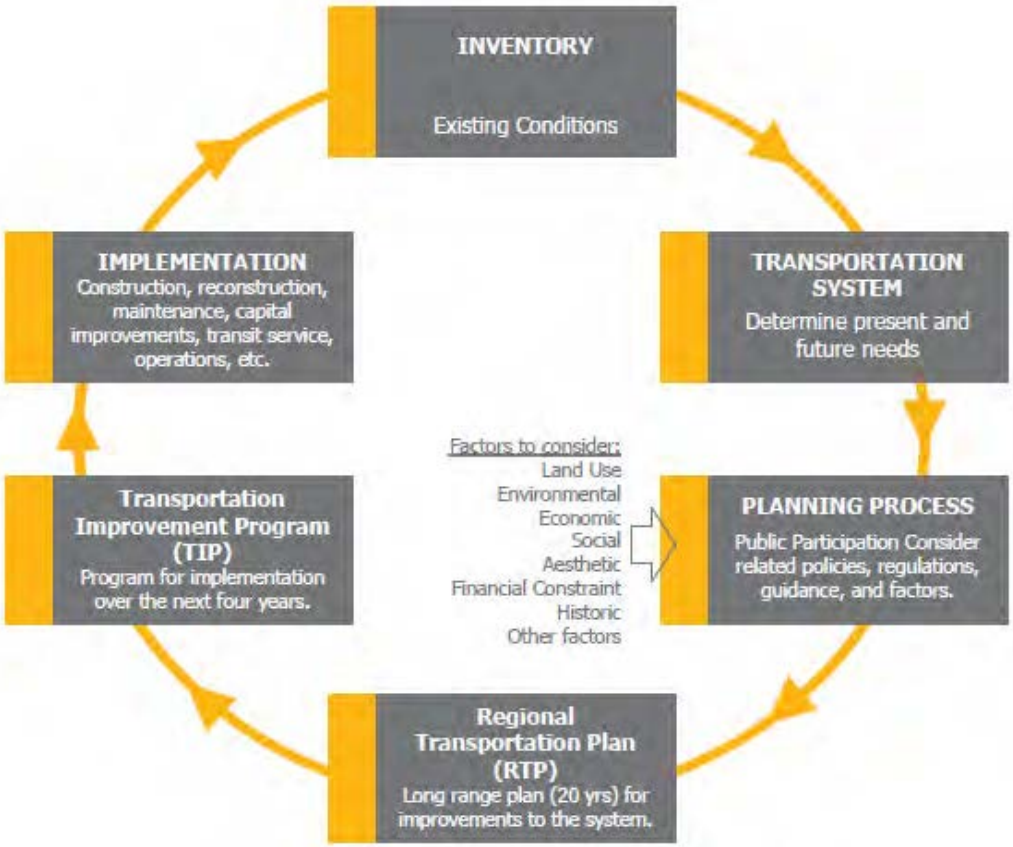
After reviewing data from Massachusetts monitoring stations, EPA sent a letter on December 16, 2011 proposing that only Dukes County would be designated as nonattainment for the new proposed 0.075 ozone standard. Massachusetts concurred with these findings.

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

Also on May 21, 2012, the air quality designations areas for the 2008 NAAQS were published in the Federal Register. In this Federal Register, the only area in

Massachusetts that was designated as nonattainment is Dukes County. All other Massachusetts counties were classified as unclassifiable/attainment.

Therefore, conformity for ozone in the Cape Cod MPO region is required until July 20, 2013 for only the 1997 ozone standard. Since this 2015 - 2018 TIP will not complete its collective development, review, and approval by the Federal Highway Administration until after July 20, 2013 – when this standard will be revoked, and since the latest area designations to do not require conformity under the current 2008 standard, the MPO does not need to perform a conformity determination for ozone on the program.



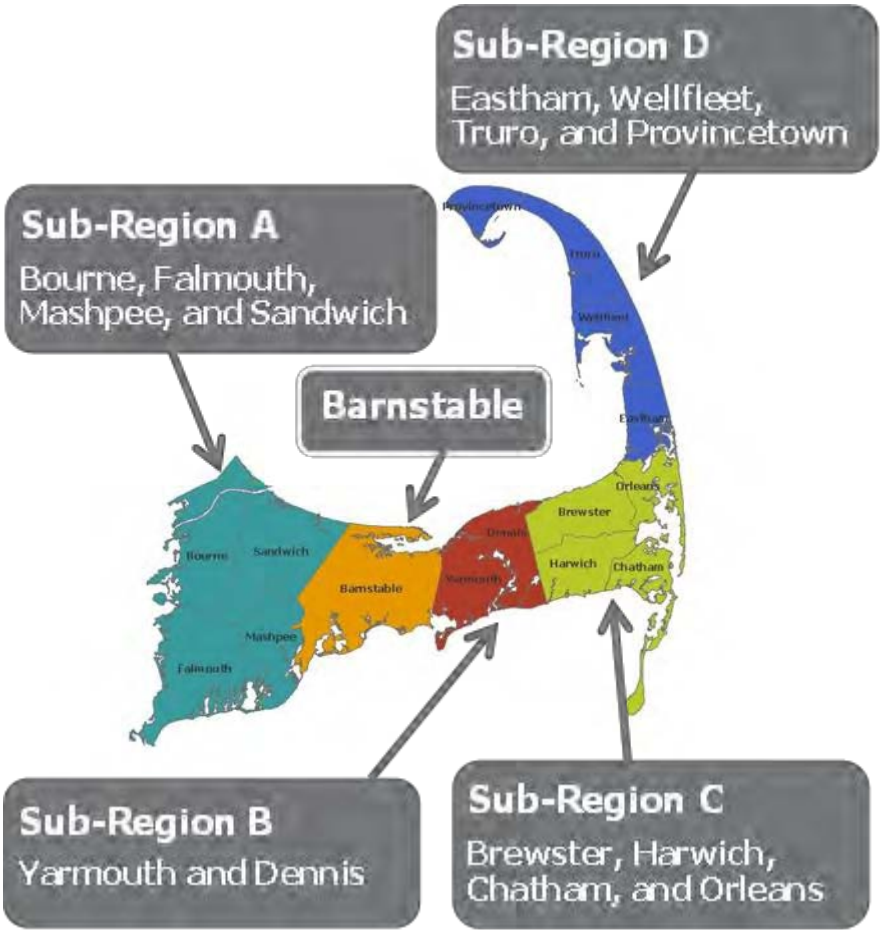
CAPE COD TRANSPORTATION IMPROVEMENT PROGRAM AND MPO

The Cape Cod Transportation Improvement Program (TIP) is devised from the Regional Transportation Plan (RTP) and includes the short-term transportation projects proposed for implementation in the next four years. The TIP is required to be updated every four years under federal law, and typically, in Massachusetts the TIP is updated each year. The development of the TIP occurs in coordination with the statewide schedule, and usually results in a statewide program of projects in place and submitted for federal approvals prior to the beginning of the Federal Fiscal Year on October 1. TIP development generally leads to action on endorsement by the Cape Cod Metropolitan Planning Organization (MPO) in July or August each year.

The TIP is a listing of federal aid eligible transportation projects for Cape Cod that is prepared by the Cape Cod Commission (CCC) transportation staff, the Cape Cod Regional Transit Authority (CCRTA) staff, Massachusetts Department of Transportation (MassDOT) staff, and the Cape Cod Joint Transportation Committee (CCJTC) along with public input, and in cooperation with state and federal agencies. The TIP must be financially constrained to estimated funds that are determined cooperatively with federal, state, and regional participants. The TIP must conform to the air quality plans and programs.

The MPO consists of the Massachusetts Department of Transportation (MassDOT) Secretary/CEO, the MassDOT Highway Administrator, the Cape Cod Commission (CCC) Chairman, the Cape Cod Regional Transit Authority (CCRTA) Chairman, a Barnstable County Commissioner, the Barnstable Town Council President, and Selectmen representing the Cape Cod sub-regions, and/or their designees (see following figure for sub-region map). Except for the Town of Barnstable designee (Town Council President), MPO members from the geographic sub-regions are elected by all selectmen within the respective sub-region. Candidates are limited to currently serving selectmen.

The Federal Highway Administration, Federal Transit Administration, Army Corps of Engineers, Cape Cod National Seashore, the Woods Hole, Martha's Vineyard and Nantucket Steamship Authority, and the Chair of the Cape Cod Joint Transportation Committee serve as non-voting, Ex-Officio members of the MPO.



CAPE COD METROPOLITAN PLANNING ORGANIZATION SUB-REGIONS

The Cape Cod Joint Transportation Committee (CCJTC), with members from all fifteen Barnstable County towns and a bicycle representative, is also the MPO advisory group. The TIP must be endorsed by the Cape Cod Metropolitan Planning Organization (MPO) members, combined with other regional TIPs into the State Transportation Improvement Program (STIP), and approved by federal agencies in order for the federal aid transportation projects to proceed.

PUBLIC PARTICIPATION PROCESS

A4a. Schedule and Public Participation

Pursuant to Federal Highway Administration 23 CFR Part 450 and Federal Transit Administration 49 CFR, the Cape Cod Transportation Improvement Program (TIP) was developed locally, and is based on the latest Regional Transportation Plan (RTP).

The RTP development discussions with various representatives, including those from Cape Air, Barnstable Municipal Airport, MassCoastal Railroad, Plymouth & Brockton Street Railway, Inc., Woods Hole, Martha's Vineyard, and Nantucket Steamship Authority, and the HyLine Ferry. The publicly held discussions assisted in the RTP recommended strategies, studies, and items to implement.

In the fifteen towns on Cape Cod, the TIP project time frame has averaged approximately five to ten years from concept to construction, and the Cape Cod Joint Transportation Committee (CCJTC) strives to improve communication and processes related to the project development process. Project evaluation and status discussions occur primarily in the open public CCJTC meetings-with representatives of the Massachusetts Department of Transportation (MassDOT) typically present and participating. Project proponents and/or consultants on TIP projects are often present as well. The CCJTC includes representatives from each town (typically representatives of public works, engineering, and/or planning departments), a bicycle representative, as well as representatives of MassDOT, CCC, CCRTA, and other local groups.

Each year an annual discussion with regional, state, and federal partners on the federal and state financial resources for the collective TIPs is held jointly in the spring. The Cape Cod Commission has been a regular attendee to these statewide meetings and related discussions for information exchange. All of the CCJTC meetings are open to the public and are typically held on a monthly basis.

This TIP was produced in accordance with the latest Public Participation Program (PPP) established for the Cape Cod Region. TIP documents are available online at the Web site: www.capecodcommission.org. The Cape Cod Commission maintains an electronic mailing list of persons interested in transportation issues. Notice of the public meetings where discussion of draft TIP documents is to occur is emailed at least seven days in advance. Upon approval by the MPO, a public draft of the TIP

is made available for public comment for a period of at least 30 days. Public comments may be made via email, telephone, fax, or regular mail. A public meeting to discuss the public draft was held in concert with the CCJTC meeting on June 14. 2013

Some of the meetings related to the development of the TIP for discussion and/or endorsement include:

Date	***Meeting***	***Location***
January 24, 2014	Project Evaluation	Taunton
March 14, 2014	CCJTC Meeting	Barnstable
March 17, 2014	MPO Meeting	Barnstable
March 25, 2014	TIP Day	Taunton/Conference Call
April 11, 2014	CCJTC Meeting	Barnstable
April 14, 2014	MPO Meeting	Barnstable
May 9, 2014.	CCJTC Meeting	Barnstable
May 19, 2014	MPO Meeting	Barnstable
June 13, 2014.	CCJTC Meeting	Barnstable
June 23, 2014	MPO Meeting	Barnstable

Meetings are subject to change, and additional meetings may be scheduled. For the latest information on the meetings of the Cape Cod Joint Transportation Committee (CCJTC), the Cape Cod Metropolitan Planning Organization (MPO), and/or the Cape Cod Commission (CCC), interested parties should call the Commission at 508-362-3828.

The Cape Cod Joint Transportation Committee (CCJTC) is the transportation planning advisory group that reviews, discusses, and votes on recommendations to the Cape Cod Metropolitan Planning Organization. Barnstable County formed the CCJTC more than 40 years ago, and the first meeting was held in 1973. Membership consists of one appointee (chosen by town governance) from each town as well as a Bicycle Representative designated by the MPO. Public comment is welcome at all meetings.

ADJUSTMENT/AMENDMENT PROCEDURES AND SUBSTITUTIONS

The Cape Cod MPO process follows an annual schedule for development of the Transportation Improvement Program (TIP) to be roughly compatible with the development schedule of the State Transportation Improvement Program (STIP), as is required under 23 CFR 450.324.

The inclusion of a project in the TIP is sufficient for the project proponent to proceed toward implementation. Inclusion on this list does not guarantee funding; the project proponent is responsible for completing the steps toward implementation within the program. For a highway project, the obligation of the federal and state funds occurs when the project is advertised for construction by MassDOT. For a transit project, the obligation of the funding is through an electronic approval system by FTA.

The Cape Cod Joint Transportation Committee recommends inclusion in the statewide program of the projects as programmed in this TIP for Cape Cod, with regional consensus and endorsement by the Cape Cod MPO. Projects that are in the first years of the TIP, which have designs completed or well underway, have public support in addition to the regional support.

ADMINISTRATIVE ADJUSTMENT PROCESS

In the event a project in the annual element, or current Federal Fiscal Year, is not proceeding in the programmed year, the substitution of another project from the outer years of the TIP for implementation in the current year is considered by the Cape Cod MPO to be an administrative adjustment provided that the following conditions are true:

- Financial constraint of the TIP is maintained.
- The project must be an exempt project, conformity determination not required.
- A letter requesting the administrative adjustment is forwarded to the Director of the MassDOT Office of Transportation Planning to reflect the adjustment in the STIP.
- Administrative Adjustments to the TIP shall be included within the next MPO agenda and require an affirmative vote of the MPO. Administrative Adjustments do not require public comment periods.

Other changes that are allowed as administrative modifications include project name, scope, and/or cost estimate changes, as long as those changes are considered to be minor in nature. For example, a project cost increase within 10% of the existing amount programmed already, may be considered a minor adjustment.

AMENDMENT PROCESS

In order for implementation of projects to proceed in the current year, a previously unlisted project may be amended into the TIP. An action to add a new project is considered by the Cape Cod MPO to be an amendment if the following conditions are true:

- Consensus in the region for this project to be included and move forward.

- Financial constraint of the TIP is maintained.
- A Cape Cod MPO meeting to endorse the amendment(s).
- Conformity determination is required unless the amendment(s) consist(s) entirely of exempt projects.
- An outer year TIP project or a Non Federal Aid project is not considered a new project and may be an Administrative Adjustment—see above Administrative Adjustment Process.

TRANSPORTATION FUNDING PROGRAMS

This TIP is being developed during a transition between two Federal transportation funding bills. Most funding categories in this TIP are through federal sources: Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) as provided by federal legislation. The current legislation is *Moving Ahead for Progress in the 21st Century* (MAP-21). The outgoing federal transportation legislation is the *Safe, Accountable, Flexible, and Efficient Transportation Equity Act-A Legacy for Users* (SAFETEA-LU). The following are brief descriptions of the various funding programs used for transportation projects on Cape Cod in the TIP:

FEDERAL HIGHWAY ADMINISTRATION (FHWA) AND STATE MATCHING FUNDS

Congestion Management/Air Quality Improvement Program (CMAQ) - This funding category directs funds towards demonstration transportation projects in Clean Air Act non-attainment areas for ozone and carbon monoxide. Projects must contribute to attainment of national ambient air quality standards. FHWA share is 80%, state/local share is 20%.

Bridge Replacement and Rehabilitation Program (BR) - This federal bridge program provides for the replacement or repair of bridges on or off the federal aid system. FHWA share is 80%, state share 20%.

Surface Transportation Program (STP) - This program provides funds for state and local roadways that are classified higher than Rural Minor Collector or Local. These funds, however, are flexible and may be used for a variety of other activities, such as transit projects. FHWA share is 80%, state/local share 20%.

A portion of STP funds is for projects qualifying under one of the categories of **Transportation Enhancements (STP-E)**. These are projects above and beyond the usual transportation project but directly related to transportation such as preservation of historic transportation facilities and stormwater mitigation. FHWA share is 80%, state/local share 20%.

Highway Safety Improvement Program (HSIP) - This program provides funds for safety improvements that are directed to the top 5% of high safety problem

locations within the region. A Road Safety Audit (RSA) with federal, state, regional, and local partners collaborates on the crash experience, geometric configuration, and other factors to identify potential improvements.

National Highway System (NHS) - This program provides funds for roadways classified as part of the National Highway System. These are usually the interstates, principal arterials and connections to ports and intermodal facilities. The NHS system was designated in 1995.

High Priority Project (HPP) - TEA-21 included a specific list of certain projects entitled "High Priority Projects", or earmarks. An amount of funding has been designated for implementation once these projects are scheduled in the TIP/STIP, designed and have all approvals. FHWA share is typically 90%, with the state/local share providing the remaining 10%.

Ferry Boat Discretionary (FBD) - This is a discretionary funding program for improvements related to ferryboat service. Since August 2000, FBD projects are listed in TIP year 3 unless funding is in place. In other words, a year 3 project is typically a request for funding; once approved for FBD funding, the project may move into year one of the TIP for implementation through an administrative adjustment.

Non Federal Aid (NFA) - These projects are not funded with federal dollars. Typically, projects in this category are funded through state bonding, and are generally state maintenance projects.

Scenic Byways (SB) - This is a discretionary federal funding program for improvements related to scenic byways; only Route 6A qualifies for this funding currently on Cape Cod. FHWA share is 80%, state/local share 20%.

American Recovery and Reinvestment Act of 2009 (ARRA) - This funding originates in the economic stimulus bill, and is commonly referred to as “stimulus” funding.

TRANSIT FUNDING CATEGORIES, FEDERAL TRANSIT ADMINISTRATION (FTA) AND STATE MATCHING FUNDS

FTA 5309 Formerly Section 3 - This category is discretionary funds for capital expenditures such as buses and terminal facilities; projects need federally earmarked 5309 funds to proceed.

FTA 5307 Formerly Section 9 - These funds are primarily for capital expenditures. In urbanized areas (UZA) with a population over 200,000, the use for operating assistance is limited. This funding is distributed to UZAs over 200,000 population via formula.

FTA 5310 Formerly Section 16 - This program funds public transit projects in rural areas.

FTA 5311 Formerly Section 18 - This program funds public transit projects in rural areas. MassDOT and FTA grant 5311 funds on a discretionary basis. Funds are for both capital and operating expenses. Federal share currently funds approximately 13% of total cost.

Mobility Assistance Program (MAP) - This MassDOT program funds capital improvements for transportation services for people who are elderly and/or have disabilities.

The current Federal transportation legislation, *Moving Ahead for Progress in the 21st Century* (MAP-21) continues many SAFETEA-LU programs and includes several new ones:

National Highway Performance Program (NHPP) [1106]
Under MAP-21, the enhanced National Highway System (NHS) is composed of approximately 220,000 miles of rural and urban roads serving major population centers, international border crossings, intermodal transportation facilities, and major travel destinations. It includes the Interstate System, all principal arterials (including some not previously designated as part of the NHS) and border crossings on those routes, highways that provide motor vehicle access between the NHS and major intermodal transportation facilities, and the network of highways important to U.S. strategic defense (STRAHNET) and its connectors to major military installations.

The NHPP is authorized at an average of $21.8 billion per year to support the condition and performance of the 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 an asset management plan of a State for the NHS.

MAP-21 establishes a performance basis for maintaining and improving the NHS.

- States are required to develop a risk- and performance-based asset management plan for the NHS to improve or preserve asset condition and system performance; plan development process must be reviewed and

recertified at least every four years. The penalty for failure to implement this requirement is a reduced Federal share for NHPP projects in that year (65 percent instead of the usual 80 percent).

- The Secretary will establish performance measures for Interstate and NHS pavements, NHS bridge conditions, and Interstate and NHS system performance. States will establish targets for these measures, to be periodically updated.
- MAP-21 also requires minimum standards for conditions of Interstate pavements and NHS bridges by requiring a State to devote resources to improve the conditions until the established minimum is exceeded. The Secretary will establish the minimum standard for Interstate pavement conditions, which may vary by geographic region. If Interstate conditions in a State fall below the minimum set by the Secretary, the State must devote resources (a specified portion of NHPP and STP funds) to improve conditions. MAP-21 establishes the minimum standard for NHS bridge conditions – if more than 10 percent of the total deck area of NHS bridges in a State is on structurally deficient bridges, the State must devote a portion of NHPP funds to improve conditions.

Surface Transportation Program (STP) [1108]
This program provides funds for state and local roadways that are classified higher than Rural Minor Collector or Local. These funds, however, are flexible and may be used for a variety of other activities, such as transit projects. FHWA share is 80%, state/local share 20%.

Highway Safety Improvement Program (HSIP) [1112]
This program provides funds for safety improvements that are directed to the top 5% of high safety problem locations within the region. A Road Safety Audit (RSA) with federal, state, regional, and local partners collaborates on the crash experience, geometric configuration, and other factors to identify potential improvements.

Congestion Mitigation and Air Quality Improvement Program (CMAQ) [1113]
This funding category directs funds towards demonstration transportation projects in Clean Air Act non-attainment areas for ozone and carbon monoxide. Projects must contribute to attainment of national ambient air quality standards. FHWA share is 80%, state/local share is 20%.

Transportation Alternatives (TA) [1122]
MAP-21 establishes a new program to provide for a variety of alternative transportation projects that were previously eligible activities under separately funded programs. This program is funded at a level equal to two percent of the total of all MAP-21 authorized Federal-aid highway and highway research funds, with the amount for each State set aside from the State's formula apportionments. Unless a State opts out, it must use a specified portion of its TA funds for recreational trails projects. Eligible activities include:

- Transportation alternatives (new definition incorporates many transportation enhancement activities and several new activities)
- Recreational trails program (program remains unchanged)
- Safe routes to schools program
- Planning, designing, or constructing roadways within the right-of way of former Interstate routes or other divided highways.

Fifty percent of TA funds are distributed to areas based on population (suballocated), similar to the STP. States and MPOs for urbanized areas with more than 200,000 people will conduct a competitive application process for use of the suballocated funds; eligible applicants include tribal governments, local governments, transit agencies, and school districts. Options are included to allow States flexibility in use of these funds.

Federal Lands and Tribal Transportation Programs [1119]
MAP-21 continues to acknowledge the importance of access to federal and tribal lands. Recognizing the need for all public Federal and tribal transportation facilities to be treated under uniform policies similar to the policies that apply to Federal-aid highways and other public transportation facilities, MAP-21 creates a unified program for Federal lands transportation facilities, Federal lands access transportation facilities, and tribal transportation facilities.

- The *Federal Lands Transportation Program* provides $300 million annually for projects that improve access within the Federal estate, such as national forests and national recreation areas, on infrastructure owned by the Federal government. This program combines the former Park Roads and Refuge Roads programs, and adds three new Federal land management agency (FLMA) partners. A portion of the funds will support traditional partner agencies at current funding levels, with new partners competing for a modest portion. All FLMA partners will administer the program using a new performance management model.
- The *Federal Lands Access Program* provides $250 million annually for projects that improve access to the Federal estate on infrastructure owned by States and local governments. Replacing and expanding the Forest Highways program, projects providing access to any Federal lands are eligible for this new comprehensive program. Funds are distributed by formula based on recreational visitation, Federal land area, Federal public road mileage, and the number of Federal public bridges. Eighty percent of funds go to States with large areas of public land. States are required to provide a non-Federal match for program funds (which has not been the case historically for Federal lands highway funding). Programming decisions will be made locally using a tri-party model in each State comprised of representatives from FHWA, State DOT, and local government, in consultation with applicable FLMAs.

- The *Tribal Transportation Program* provides $450 million annually for projects that improve access to and within Tribal lands. This program generally continues the existing Indian Reservation Roads program, while adding new setasides for tribal bridge projects (in lieu of the existing Indian Reservation Road Bridge program) and tribal safety projects. It continues to provide setasides for program management and oversight and tribal transportation planning. A new statutory formula for distributing funds among tribes, based on tribal population, road mileage, and average funding under SAFETEA-LU, plus an equity provision, is to be phased in over a 4 year period.

MAP-21 also authorizes the *Tribal High Priority Projects Program*, a discretionary program modeled on an earlier program that was funded by setaside from the Indian Reservation Roads Program. MAP-21 provides $30 million per year from the General fund (subject to appropriation) for this new program. [1123]

Emergency Relief [1107]
The Emergency Relief (ER) program assists Federal, State, tribal and local governments with the expense of repairing serious damage to Federal-aid, tribal, and Federal Lands highways resulting from natural disasters or catastrophic failures. Unlike other highway programs, ER is funded by a permanent authorization of $100 million per year.

MAP-21 continues the ER program, with some changes in requirements:

- State must apply and provide a complete list of project sites and costs within two years of the event; cost may not exceed the cost to repair or reconstruct a comparable facility.
- For emergency repairs, a 100 percent Federal share is allowed during the first 180 days following a disaster. MAP-21 allows the Secretary to extend the time period if access to damaged areas is limited.
- Debris removal for major disasters declared under the Stafford Act will be funded by FEMA.
- Maintenance and operation of additional ferryboats or transit is eligible as a temporary substitute service.

Workforce Development and DBE [1109]
MAP-21 continues current law goals for use of small business concerns owned and controlled by socially and economically disadvantaged individuals. On-the-Job Training and DBE Supportive Services programs are continued without change. States may continue to use apportioned funds (except Metropolitan Planning or Ferry Program) for surface transportation workforce development, training, education, and small business capacity building.

Bridge and Tunnel Inspection [1111]
To provide for continued improvement to bridge and tunnel conditions essential to protect the safety of the traveling public and allow for the efficient movement of

people and goods on which the U.S. economy relies, MAP-21 requires inspection and inventory of highway bridges and tunnels on public roads. No dedicated funds are provided for inspections, but it is an eligible use of NHPP, STP, HSIP, FHWA administrative, Tribal Transportation, and Research funds.

Territorial and Puerto Rico Highway Program [1114]
MAP-21 continues funding for the Puerto Rico Highway program ($150 million annually) and the Territorial Highway program ($40 million annually).

Projects of National and Regional Significance [1120]
MAP-21 authorizes $500 million from the General Fund (subject to appropriation) in FY 2013 only, to fund critical high-cost surface transportation capital projects that will accomplish national goals, such as generating national/regional economic benefits and improving safety, and that are difficult to complete with existing Federal, State, local, and private funds. States, tribes, transit agencies, and multi-State or multi-jurisdictional groups of these entities are eligible to apply for competitive grant funding.

Construction of Ferry Boats and Ferry Terminal Facilities [1121]
It provides $67 million annually to construct ferry boats and ferry terminal facilities, to be distributed by formula. Unlike the former ferry boat discretionary program, there are no set-asides for specific States.

Appalachian Development Highway System (ADHS) [1528]
The ADHS program is continued, but without separate funding. Portions that are on the NHS are eligible for NHPP funding, and ADHS routes, including local access roads, are eligible for STP funding. To encourage the completion of the ADHS, States are required to submit plans for completion of the system and an increased Federal share is provided.

CAPE COD TIP PROJECTS

CAPE COD PROJECTS, FEDERAL AID AND NON FEDERAL AID

The following pages include the projects for the Cape Cod region that are in this program for Federal Aid or Non Federal Aid funding.

Programming/Implementation Note:

While it is recognized that this TIP is a planning program of projects and implementation must follow from the responsible implementing agency or agencies, the Cape Cod region expects cooperation, communication and an expeditious review process by agencies with the responsibility of overseeing steps toward implementation in order to ensure the maximum compliance with the programmed plan of projects. This effort by overseeing agencies will promote implementation of projects within the planned program and allow the financial plan to remain in balance.

SUMMARY OF FUNDING FOR CAPE COD HIGHWAY PROJECTS

The Cape Cod federal aid target amounts, from Federal Highway Administration sources through the Commonwealth of Massachusetts, Massachusetts Highway Department, based on approximately 6% of the statewide amounts, are listed below, and the current amount programmed is the right column.

Projects programmed in years 2015-2018 reflect 2015 cost estimates. An inflation rate of 4% per year is added to project cost estimates in years 2016-2018, and therefore, the project cost estimates are by Year Of Expenditure (YOE) for the target projects.

YEAR	Total Federal Aid	Amount Programmed
2015	$ 7,280,128	$ 6,958,833
2016	$ 8,004,511	$ 7,032,414
2017	$ 8,004,511	$ 7,910,000
2018	$ 8,004,511	$6,636,103
TOTALS:	$ 31,293,661	$ 28,537,350

In addition to funding of highway projects, a significant amount of TIP funding is allocated for public transportation. The following table shows the programming amounts for both highway and transit projects provided from the TIP.

TABLE 1 - 2015-2018 CAPE COD TIP PROJECTS PROGRAMMED

Year	Highway	Transit	Total
2015	$9,832,713	$8,568,735	$18,401,448
2016	$10,434,050	$8,174,567	$18,608,617
2017	$24,503,876	$8,713,979	$33,217,855
2017	$7,375,880	$11,027,663	$18,403,543
Total	$52,146,519	$36,484,944	$88,631,463

*Includes projects outside of the Cape Cod TIP Target such as Cape Cod specific bridge and maintenance projects

The list of specific Cape Cod projects is presented on the following pages.

2015 Cape Cod Transportation Improvement Program

05/19/2014 Draft Released
06/23/2014 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1A / Federal Aid Target Projects										
►HSIP - Highway Safety Improvement Program										
	606394	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT FALMOUTH ROAD (ROUTE 28) AND BEARSES WAY	5	**HSIP**	$ 3,637,130	$ 3,273,417	$ 363,713	CONSTRUCTION Total Cost $4,237,130 [$3,637,130 HSIP + $600,000 Statewide HSIP] 25% plans under review by MassDOT. Upon completion a DPH will be scheduled (estimated Fall 2014)., CMAQ analysis completed
						HSIP Subtotal ►	$ 3,637,130	$ 3,273,417	$ 363,713	◄ 90% Federal + 10% Non-Federal
►CMAQ - Congestion Mitigation and Air Quality Improvement Program										
	606461	Cape Cod	Orleans	ORLEANS- INTERSECTION IMPROVEMENTS AT 2 LOCATIONS: CRANBERRY HIGHWAY (ROUTE 6A) AND MAIN STREET; CHATHAM ROAD (ROUTE 28) AND MAIN STREET.	5	**CMAQ**	$ 3,203,376	$ 2,562,701	$ 640,675	CONSTRUCTION Total cost $3,382,140 [$3,203,376 CMAQ + $178,764 TAP]. 25% design submitted to MassDOT., CMAQ analysis completed.
	201501	Cape Cod	Multiple	CCNS- NEW TRANSIT SERVICE DEMONSTRATION OUTER CAPE BIKE SHUTTLE	5	**CMAQ**	$ 87,610	$ 87,610	$ 29,753	Transfer to FTA for CCNS, $87,610 CMAQ with $29,753 TDC match for a total project cost of $87,610. (100% federal funds) Year 3 of 3, 100% design
						CMAQ Subtotal ►	$ 3,290,986	$ 2,650,311	$ 670,428	◄ 80% Federal + 20% Non-Federal
►TAP - Transportation Alternatives Program										
	606461	Cape Cod	Orleans	ORLEANS- INTERSECTION IMPROVEMENTS AT 2 LOCATIONS: CRANBERRY HIGHWAY (ROUTE 6A) AND MAIN STREET; CHATHAM ROAD (ROUTE 28) AND MAIN STREET.	5	**TAP**	$ 178,764	$ 143,011	$ 35,753	CONSTRUCTION Total cost $3,382,140 [$3,203,376 CMAQ + $178,764 TAP]. 25% design submitted to MassDOT., CMAQ analysis completed.
						TAP Subtotal ►	$ 178,764	$ 143,011	$ 35,753	◄ 80% Federal + 20% Non-Federal
►Non-CMAQ/HSIP/TAP (Other)										
				No Projects Programmed			$ -	$ -	$ -	
						Non-CMAQ/HSIP/TAP (Other) Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal

►Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	$ 7,106,880	**$ 7,280,128**	**◄Total Target**	**$ 173,248**	**Target Funds Available**
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	$ -	$ 4,872,476	◄ Max. **Non-CMAQ/HSIP/TAP**	**$ 173,248**	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ►	$ 3,637,130	$ 509,460	◄ Min. **HSIP**	**$ (3,127,670)**	HSIP Minimum Met
Total CMAQ Programmed ►	$ 3,290,986	$ 1,719,428	◄ Min. **CMAQ**	**$ (1,571,558)**	CMAQ Minimum Met
Total TAP Programmed ►	$ 178,764	$ 178,764	◄ Min. **TAP**	**$ -**	TAP Minimum Met
HSIP, CMAQ, TAP Overprogrammed	$ (4,699,228)				

►Section 1B / Federal Aid Bridge Projects										
►Statewide Bridge Maintenance Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Maintenance Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►On System										
				No Projects Programmed			$ -	$ -	$ -	
						On System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Off-System										
				No Projects Programmed			$ -	$ -	$ -	
						Off-System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide Bridge Inspection Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Inspection Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Section 1C / Federal Aid Non-Target Projects										
►Other Federal Aid										
	607571	Cape Cod	Multiple	DENNIS- YARMOUTH- CONSTRUCTION OF A MULTI-USE PATH OVER THE BASS RIVER, INCLUDES NEW PEDESTRIAN BRIDGE D-07-007=Y-01-010	5	TI (2005) TI173	$ 2,096,080	$ 2,096,080	$ -	Earmark to cover Bass River Bridge portion of CCRT extension ($2,096,080 from TI 173 MA 209), Entire CCRT extension project TIP funding (2014+2015) = $9,508,979. Concerns regarding permit timing from Coast Guard.
						Other Federal Aid Subtotal ►	$ 2,096,080	$ 2,096,080	$ -	◄ Funding Split Varies by Funding Source
►Section 1D / Federal Aid Major & State Category Projects										
► Statewide Infrastructure Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Infrastructure Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide HSIP Program										
	606394	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT FALMOUTH ROAD (ROUTE 28) AND BEARSES WAY	5	HSIP	$ 600,000	$ 540,000	$ 60,000	CONSTRUCTION Total Cost $4,237,130 [$3,637,130 HSIP + $600,000 Statewide HSIP] 25% plans under review by MassDOT. Upon completion a DPH will be scheduled (estimated Fall 2014)., CMAQ analysis completed
						Statewide HSIP Program Subtotal ►	$ 600,000	$ 540,000	$ 60,000	◄ 90% Federal + 10% Non-Federal
► Statewide Safe Routes to Schools Program										
				No Projects Programmed			$ -	$ -	$ -	Funding Split Varies by Funding Source

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

2015 Cape Cod TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	$ 9,832,713	$ -	$ 9,832,713	◄ Total Spending in Region
Federal Funds ►	$ 8,702,819		$ 8,702,819	◄ Total Federal Spending in Region
Non-Federal Funds ►	$ 1,129,894	$ -	$ 1,129,894	◄ Total Non-Federal Spending in Region

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

2016 Cape Cod Transportation Improvement Program

05/19/2014 Draft Released
06/23/2014 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1A / Federal Aid Target Projects										
►HSIP - Highway Safety Improvement Program										
				No Projects Programmed			$ -	$ -	$ -	
						HSIP Subtotal ►	$ -	$ -	$ -	◄ 90% Federal + 10% Non-Federal
►CMAQ - Congestion Mitigation and Air Quality Improvement Program										
	606707	Cape Cod	Dennis	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS ON MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER COUNTY ROAD.	5	**CMAQ**	$ 3,621,636	$ 2,897,309	$ 724,327	CONSTRUCTION Total Cost $3,482,342 (4% inflation applied = $3,621,636). 25% design submitted. CMAQ analysis to be completed.
						CMAQ Subtotal ►	$ 3,621,636	$ 2,897,309	$ 724,327	◄ 80% Federal + 20% Non-Federal
►TAP - Transportation Alternatives Program										
	606596	Cape Cod	Chatham	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	5	**TAP**	$ 305,425	$ 244,340	$ 61,085	CONSTRUCTION Total cost $2,608,090 (4% inflation applied = $2,712,414 = $2,406,989 CMAQ + 305,425, 25% design plans submitted.
						TAP Subtotal ►	$ 305,425	$ 244,340	$ 61,085	◄ 80% Federal + 20% Non-Federal
►Non-CMAQ/HSIP/TAP (Other)										
	606596	Cape Cod	Chatham	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	5	**STP**	$ 2,406,989	$ 1,925,591	$ 481,398	CONSTRUCTION Total cost $2,608,090 (4% inflation applied = $2,712,414 = $2,406,989 CMAQ + 305,425, 25% design plans submitted.
						Non-CMAQ/HSIP/TAP (Other) Subtotal ►	$ 2,406,989	$ 1,925,591	$ 481,398	◄ 80% Federal + 20% Non-Federal

►Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	$ 6,334,050	**$ 8,004,511**	**◄Total Target**	**$ 1,670,461**	**Target Funds Available**
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	$ 2,406,989	$ 5,807,715	◄ Max. **Non-CMAQ/HSIP/TAP**	**$ 1,670,461**	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ►	$ -	$ 458,514	◄ Min. **HSIP**	**$ 458,514**	HSIP Minimum Not Met
Total CMAQ Programmed ►	$ 3,621,636	$ 1,432,857	◄ Min. **CMAQ**	**$ (2,188,779)**	CMAQ Minimum Met
Total TAP Programmed ►	$ 305,425	$ 305,425	◄ Min. **TAP**	**$ -**	TAP Minimum Met
HSIP, CMAQ, TAP Overprogrammed	$ (1,730,265)				

►Section 1B / Federal Aid Bridge Projects										
►Statewide Bridge Maintenance Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Maintenance Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►On System										
				No Projects Programmed			$ -	$ -	$ -	
						On System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Off-System										
				No Projects Programmed			$ -	$ -	$ -	
						Off-System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide Bridge Inspection Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Inspection Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Section 1C / Federal Aid Non-Target Projects										
►Other Federal Aid										
				No Projects Programmed			$ -	$ -	$ -	
						Other Federal Aid Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
►Section 1D / Federal Aid Major & State Category Projects										
► Statewide Infrastructure Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Infrastructure Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide HSIP Program										
	607918	Cape Cod	Multiple	Route 6 sign upgrades Sandwich to Orleans	5	HSIP	$ 4,100,000	$ 3,690,000	$ 410,000	CONSTRUCTION Total Cost $4,100,000.
						Statewide HSIP Program Subtotal ►	$ 4,100,000	$ 3,690,000	$ 410,000	◄ 90% Federal + 10% Non-Federal
► Statewide Safe Routes to Schools Program										
				No Projects Programmed			$ -	$ -	$ -	Funding Split Varies by Funding Source
						Statewide Safe Routes to Schools Program Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
► Statewide CMAQ										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide CMAQ ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Transportation Enhancements										
				No Projects Programmed			$ -			
						Statewide Transportation Enhancements Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide ITS										
				No Projects Programmed			$ -			
						Statewide ITS Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Interstate Maintenance Program										
				No Projects Programmed			$ -			
						Statewide Interstate Maintenance Program Subtotal ►	$ -	$ -	$ -	◄ 90% Federal + 10% Non-Federal
►Statewide NHS Preservation Program+										
				No Projects Programmed			$ -			
						Statewide NHS Preservation Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal

►Statewide RR Grade Crossings

				No Projects Programmed			$ -			
				Statewide RR Grade Crossings Subtotal ►			$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Stormwater Retrofits										
				No Projects Programmed			$ -			
				Statewide Stormwater Retrofits Subtotal ►			$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide ADA Implementation Plan										
				No Projects Programmed			$ -			
				Statewide ADA Implementation Plan Subtotal ►			$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Other Statewide Items										
				ABP GANS Repayment			$ -			
				Award Adjustments, Change Orders, Project Value Changes, Etc.			$ -			
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			$ -			
				Planning			$ -			
				Statewide Design and Right of Way			$ -			
				Statewide Recreational Trails			$ -			
				Other Statewide Items Subtotal ►			$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
►Section 2A / Non-Federal Projects										
►Non Federal Aid										
				No Projects Programmed		NFA	$ -		$ -	
				Non-Federal Aid Subtotal►			$ -		$ -	◄100% Non-Federal
►Section 2B / Non-Federal Bridge Projects										
►Section 2B / Non-Federal Bridge Projects										
				No Projects Programmed		NFA	$ -		$ -	
				Section 2B / Non-Federal Bridge Projects Subtotal►			$ -		$ -	◄100% Non-Federal

2016 Cape Cod TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	$ 10,434,050	$ -	$ 10,434,050	◄ Total Spending in Region
Federal Funds ►	$ 8,757,240		$ 8,757,240	◄ Total Federal Spending in Region
Non-Federal Funds ►	$ 1,676,810	$ -	$ 1,676,810	◄ Total Non-Federal Spending in Region

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

2017 Cape Cod Transportation Improvement Program

05/19/2014 Draft Released
06/23/2014 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1A / Federal Aid Target Projects										
►HSIP - Highway Safety Improvement Program										
	607444	Cape Cod	Falmouth	FALMOUTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT NORTH FALMOUTH HIGHWAY (ROUTE 28A),NATHAN ELLIS HIGHWAY (ROUTE 151) AND COUNTY ROAD	5	**HSIP**	$ 2,240,000	$ 2,016,000	$ 224,000	CONSTRUCTION Total Cost $2,080,000 (8% inflation applied = $2,240,000) 25% design submission expected Spring 2015. Possible HSIP - RSA to be conducted.
						HSIP Subtotal ►	$ 2,240,000	$ 2,016,000	$ 224,000	◄ 90% Federal + 10% Non-Federal
►CMAQ - Congestion Mitigation and Air Quality Improvement Program										
	606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	**CMAQ**	$ 5,471,548	$ 4,377,238	$ 1,094,310	Construction Total Cost $5,250,000 (8% inflation = $5,670,000 = $5,471,548 CMAQ + $198,452 TAP). 25% desing submission expected Spring 2014. HSIP - RSA performed; CMAQ Analysis to be performed upon completion of FDR.
						CMAQ Subtotal ►	$ 5,471,548	$ 4,377,238	$ 1,094,310	◄ 80% Federal + 20% Non-Federal
►TAP - Transportation Alternatives Program										
	606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	**TAP**	$ 198,452	$ 158,762	$ 39,690	Construction Total Cost $5,250,000 (8% inflation = $5,670,000 = $5,471,548 CMAQ + $198,452 TAP). 25% desing submission expected Spring 2014. HSIP - RSA performed; CMAQ Analysis to be performed upon completion of FDR.
						TAP Subtotal ►	$ 198,452	$ 158,762	$ 39,690	◄ 80% Federal + 20% Non-Federal
►Non-CMAQ/HSIP/TAP (Other)										
				No Projects Programmed			$ -	$ -	$ -	
						Non-CMAQ/HSIP/TAP (Other) Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal

►Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	$ 7,910,000	**$ 8,004,511**	**◄Total Target**	**$ 94,511**	**Target Funds Available**
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	$ -	$ 5,914,688	◄ Max. **Non-**	**$ 94,511**	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ►	$ 2,240,000	$ 458,514	◄ Min. **HSIP**	**$ (1,781,486)**	HSIP Minimum Met
Total CMAQ Programmed ►	$ 5,471,548	$ 1,432,857	◄ Min. **CMAQ**	**$ (4,038,691)**	CMAQ Minimum Met
Total TAP Programmed ►	$ 198,452	$ 198,452	◄ Min. **TAP**	**$ -**	TAP Minimum Met
HSIP, CMAQ, TAP Overprogrammed	$ (5,820,177)				

►Section 1B / Federal Aid Bridge Projects										
►Statewide Bridge Maintenance Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Maintenance Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►On System										
				No Projects Programmed			$ -	$ -	$ -	
						On System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Off-System										
				No Projects Programmed			$ -	$ -	$ -	
						Off-System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide Bridge Inspection Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Inspection Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Section 1C / Federal Aid Non-Target Projects										
►Other Federal Aid										
				No Projects Programmed				$ -	$ -	
						Other Federal Aid Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
►Section 1D / Federal Aid Major & State Category Projects										
► Statewide Infrastructure Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Infrastructure Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide HSIP Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide HSIP Program Subtotal ►	$ -	$ -	$ -	◄ 90% Federal + 10% Non-Federal
► Statewide Safe Routes to Schools Program										
				No Projects Programmed			$ -	$ -	$ -	Funding Split Varies by Funding Source
						Statewide Safe Routes to Schools Program Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
► Statewide CMAQ										
	607398	Cape Cod	Multiple	YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, FROM STATION AVENUE (YARMOUTH) TO ROUTE 132 (BARNSTABLE)	5	CMAQ	$ 8,100,000	$ 6,480,000	$ 1,620,000	CONSTRUCTION Statewide CMAQ funding for $8,100,000. Project limits to be adjusted based on available funding. Land acquisition, survey, and design in process.
						Statewide CMAQ ►	$ 8,100,000	$ 6,480,000	$ 1,620,000	◄ 80% Federal + 20% Non-Federal
►Statewide Transportation Enhancements										
				No Projects Programmed			$ -			
						Statewide Transportation Enhancements Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide ITS										
				No Projects Programmed			$ -			
						Statewide ITS Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Interstate Maintenance Program										
				No Projects Programmed			$ -			
						Statewide Interstate Maintenance Program Subtotal ►	$ -	$ -	$ -	◄ 90% Federal + 10% Non-Federal
►Statewide NHS Preservation Program+										

	606179	Cape Cod	Multiple	DENNIS- HARWICH- BREWSTER- ORLEANS- RESURFACING & RELATED WORK ON ROUTE 6	5	NHPP	$ 8,493,876	6,795,101	1,698,775	TOTAL COST $8,357,798 for 2017 (31 total lane miles, 2.5 lanes/shoulder from milemarker 78.5 to 90.9), preliminary design.
						Statewide NHS Preservation Program Subtotal ►	$ 8,493,876	$ 6,795,101	$ 1,698,775	◄ 80% Federal + 20% Non-Federal
►Statewide RR Grade Crossings										
				No Projects Programmed			$ -			
						Statewide RR Grade Crossings Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Stormwater Retrofits										
				No Projects Programmed			$ -			
						Statewide Stormwater Retrofits Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide ADA Implementation Plan										
				No Projects Programmed			$ -			
						Statewide ADA Implementation Plan Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Other Statewide Items										
				ABP GANS Repayment			$ -			
				Award Adjustments, Change Orders, Project Value Changes, Etc.			$ -			
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			$ -			
				Planning			$ -			
				Statewide Design and Right of Way			$ -			
				Statewide Recreational Trails			$ -			
						Other Statewide Items Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
►Section 2A / Non-Federal Projects										
►Non Federal Aid										
				No Projects Programmed		NFA	$ -		$ -	
						Non-Federal Aid Subtotal►	$ -		$ -	◄100% Non-Federal
►Section 2B / Non-Federal Bridge Projects										
►Section 2B / Non-Federal Bridge Projects										
				No Projects Programmed		NFA	$ -		$ -	
						Section 2B / Non-Federal Bridge Projects Subtotal►	$ -		$ -	◄100% Non-Federal

2017 Cape Cod TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	$ 24,503,876	$ -	$ 24,503,876	◄ Total Spending in Region
Federal Funds ►	$ 19,827,101		$ 19,827,101	◄ Total Federal Spending in Region
Non-Federal Funds ►	$ 4,676,775	$ -	$ 4,676,775	◄ Total Non-Federal Spending in Region

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

2018 Cape Cod Transportation Improvement Program

05/19/2014 Draft Released
06/23/2014 Endorsed

Amendment/Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1A / Federal Aid Target Projects										
►HSIP - Highway Safety Improvement Program										
	607753	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 28 (FALMOUTH ROAD) AT STRAWBERRY HILL ROAD	5	**HSIP**	$ 495,880	$ 446,292	$ 49,588	CONSTRUCTION Total Cost $442,750 (12% Inflation applied = $495,880). Preliminary design. RSA to be conducted.
	607397	Cape Cod	Wellfleet	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	**HSIP**	$ 2,041,548	$ 1,837,393	$ 204,155	CONSTRUCTION Total Cost $2,000,000 (12% Inflation applied = $2,240,000 = $2,041,548 CMAQ + $198,452 TAP). Preliminary design. RSA to be conducted.
	607435	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUTH ROAD (ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD	5	**HSIP**	$ 2,320,000	$ 2,088,000	$ 232,000	CONSTRUCTION Total Cost $2,080,000 (12% Inflation applied = $2,320,000). RSA to be conducted.
						HSIP Subtotal ►	$ 4,857,428	$ 4,371,685	$ 485,743	◄ 90% Federal + 10% Non-Federal
►CMAQ - Congestion Mitigation and Air Quality Improvement Program										
	607405	Cape Cod	Chatham	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	5	**CMAQ**	$ 2,320,000	$ 1,856,000	$ 464,000	CONSTRUCTION Total Cost $2,080,000 (12% Inflation applied = $2,320,000). CMAQ analysis to be conducted.
						CMAQ Subtotal ►	$ 2,320,000	$ 1,856,000	$ 464,000	◄ 80% Federal + 20% Non-Federal
►TAP - Transportation Alternatives Program										
	607397	Cape Cod	Wellfleet	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	**TAP**	$ 198,452	$ 158,762	$ 39,690	CONSTRUCTION Total Cost $2,000,000 (12% Inflation applied = $2,240,000 = $2,041,548 CMAQ + $198,452 TAP). Preliminary design. RSA to be conducted.
						TAP Subtotal ►	$ 198,452	$ 158,762	$ 39,690	◄ 80% Federal + 20% Non-Federal
►Non-CMAQ/HSIP/TAP (Other)										
				No Projects Programmed			$ -	$ -	$ -	
						Non-CMAQ/HSIP/TAP (Other) Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal

►Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	$ 7,375,880	**$ 8,004,511**	**◄Total Target**	**$ 628,631**	**Target Funds Available**
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	$ -	$ 5,914,688	◄ Max. **Non-CMAQ/HSIP/TAP**	**$ 628,631**	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ►	$ 4,857,428	$ 458,514	◄ Min. **HSIP**	**$ (4,398,914)**	HSIP Minimum Met
Total CMAQ Programmed ►	$ 2,320,000	$ 1,432,857	◄ Min. **CMAQ**	**$ (887,143)**	CMAQ Minimum Met
Total TAP Programmed ►	$ 198,452	$ 198,452	◄ Min. **TAP**	**$ -**	TAP Minimum Met
HSIP, CMAQ, TAP Overprogrammed	$ (5,286,057)				

►Section 1B / Federal Aid Bridge Projects										
►Statewide Bridge Maintenance Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Maintenance Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►On System										
				No Projects Programmed			$ -	$ -	$ -	
						On System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Off-System										
				No Projects Programmed			$ -	$ -	$ -	
						Off-System Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide Bridge Inspection Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Bridge Inspection Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Section 1C / Federal Aid Non-Target Projects										
►Other Federal Aid										
				No Projects Programmed			$ -	$ -	$ -	
						Other Federal Aid Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
►Section 1D / Federal Aid Major & State Category Projects										
► Statewide Infrastructure Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide Infrastructure Program Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
► Statewide HSIP Program										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide HSIP Program Subtotal ►	$ -	$ -	$ -	◄ 90% Federal + 10% Non-Federal
► Statewide Safe Routes to Schools Program										
				No Projects Programmed			$ -	$ -	$ -	Funding Split Varies by Funding Source
						Statewide Safe Routes to Schools Program Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
► Statewide CMAQ										
				No Projects Programmed			$ -	$ -	$ -	
						Statewide CMAQ ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Transportation Enhancements										
				No Projects Programmed			$ -			
						Statewide Transportation Enhancements Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide ITS										
				No Projects Programmed			$ -			
						Statewide ITS Subtotal ►	$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Interstate Maintenance Program										
				No Projects Programmed			$ -			
						Statewide Interstate Maintenance Program Subtotal ►	$ -	$ -	$ -	◄ 90% Federal + 10% Non-Federal
►Statewide NHS Preservation Program+										

				No Projects Programmed			$ -			
				Statewide NHS Preservation Program Subtotal ►			$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide RR Grade Crossings										
				No Projects Programmed			$ -			
				Statewide RR Grade Crossings Subtotal ►			$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Statewide Stormwater Retrofits										
				No Projects Programmed			$ -			
				No Projects Programmed			$ -			
►Statewide ADA Implementation Plan										
				No Projects Programmed			$ -			
				Statewide ADA Implementation Plan Subtotal ►			$ -	$ -	$ -	◄ 80% Federal + 20% Non-Federal
►Other Statewide Items										
				ABP GANS Repayment			$ -			
				Award Adjustments, Change Orders, Project Value Changes, Etc.			$ -			
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			$ -			
				Planning			$ -			
				Statewide Design and Right of Way			$ -			
				Statewide Recreational Trails			$ -			
				Other Statewide Items Subtotal ►			$ -	$ -	$ -	◄ Funding Split Varies by Funding Source
►Section 2A / Non-Federal Projects										
►Non Federal Aid										
				No Projects Programmed		NFA	$ -		$ -	
				Non-Federal Aid Subtotal►			$ -		$ -	◄100% Non-Federal
►Section 2B / Non-Federal Bridge Projects										
►Section 2B / Non-Federal Bridge Projects										
				No Projects Programmed		NFA	$ -		$ -	
				Section 2B / Non-Federal Bridge Projects Subtotal►			$ -		$ -	◄100% Non-Federal

2018 Cape Cod TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	$ 7,375,880	$ -	$ 7,375,880	◄ Total Spending in Region
Federal Funds ►	$ 6,386,447	-	$ 6,386,447	◄ Total Federal Spending in Region
Non-Federal Funds ►	$ 989,433	$ -	$ 989,433	◄ Total Non-Federal Spending in Region

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

Transportation Improvement Program (TIP)
Project List (FY2015)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ICB	TDC	SCA	LocalFunds	Total Cost
5307												
	5307 Cape Cod Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV		$496,566	$0	$0	$0	$0	$124,142	$0	$620,708
	5307 Cape Cod Regional Transit Authority	117L00	MOBILITY MANAGEMENT		$1,095,574	$0	$0	$0	$0	$273,894	$0	$1,369,468
	5307 Cape Cod Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE		$2,071,307	$0	$0	$0	$0	$517,826	$0	$2,589,133
	5307 Cape Cod Regional Transit Authority	300900	OPERATING ASSISTANCE		$600,000	$0	$0	$0	$0	$600,000	$0	$1,200,000
				Subtotal	$4,263,447	$0	$0	$0	$0	$1,515,862	$0	$5,779,309
5309												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5310												
	5310 Cape Cod Regional Transit Authority	111215	BUY REPLACEMENT VAN (5)		$210,155	$0	$52,540	$0	$0	$0	$0	$262,695
	5310 Cape Cod Regional Transit Authority	111204	BUY REPLACEMENT <30 FT BUS (24)		$65,189	$0	$1,526,251	$0	$0	$0	$0	$1,591,440
				Subtotal	$275,344	$0	$1,578,791	$0	$0	$0	$0	$1,854,135
5311												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5337												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5339												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5320												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Federal												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Non-Federal												
Other Non-Federal	Cape Cod Regional Transit Authority	114402	REHAB/RENOVATE - MAINTENANCE FACILITY		$0	$302,079	$0	$0	$0	$0	$0	$302,079
Other Non-Federal	Cape Cod Regional Transit Authority	114207	ACQUIRE - ADP HARDWARE		$0	$10,200	$0	$0	$0	$0	$0	$10,200
Other Non-Federal	Cape Cod Regional Transit Authority	119306	CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES		$0	$15,823	$0	$0	$0	$0	$0	$15,823
Other Non-Federal	Cape Cod Regional Transit Authority	113400	REHAB/RENOVATE BUS STATIONS		$0	$27,500	$0	$0	$0	$0	$0	$27,500
Other Non-Federal	Cape Cod Regional Transit Authority	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		$0	$271,880	$0	$0	$0	$0	$0	$271,880
Other Non-Federal	Cape Cod Regional Transit Authority	113400	REHAB/RENOVATE BUS STATIONS		$0	$100,000	$0	$0	$0	$0	$0	$100,000
Other Non-Federal	Cape Cod Regional Transit Authority	114208	ACQUIRE - ADP SOFTWARE		$0	$95,809	$0	$0	$8,213	$0	$0	$95,809
Other Non-Federal	Cape Cod Regional Transit Authority	442400	SHORT RANGE TRANSIT PLANNING		$0	$88,000	$0	$0	$0	$0	$0	$88,000
Other Non-Federal	Cape Cod Regional Transit Authority	113103	TERMINAL, INTERMODAL (TRANSIT)		$0	$24,000	$0	$0	$0	$0	$0	$24,000
				Subtotal	$0	$935,291	$0	$0	$8,213	$0	$0	$935,291
				Total	$4,538,791	$935,291	$1,578,791	$0	$8,213	$1,515,862	$0	$8,568,735

Transportation Improvement Program (TIP)
Project List (FY2016)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ITCCAP	TDC	SCA	LocalFunds	Total Cost
5307												
5307	Cape Cod Regional Transit Authority (CCRTA)	117L00	MOBILITY MANAGEMENT	2013, 2014	$1,160,000	$0	$0	$0	$0	$290,000	$0	$1,450,000
5307	Cape Cod Regional Transit Authority (CCRTA)	117A00	PREVENTIVE MAINTENANCE	2014	$2,133,446	$0	$0	$0	$0	$533,361	$0	$2,666,807
5307	Cape Cod Regional Transit Authority (CCRTA)	113400	REHAB/RENOVATE BUS STATIONS	2013, 2014	$436,720	$109,180	$0	$0	$0	$0	$0	$545,900
5307	Cape Cod Regional Transit Authority (CCRTA)	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2014	$1,068,833	$267,208	$0	$0	$0	$0	$0	$1,336,041
5307	Cape Cod Regional Transit Authority (CCRTA)	114207	ACQUIRE - ADP HARDWARE		$44,000	$11,000	$0	$0	$0	$0	$0	$55,000
5307	Cape Cod Regional Transit Authority (CCRTA)	119303	CONSTRUCT LANDSCAPING / SCENIC BEAUTIFICATION	2014	$22,756	$5,689	$0	$0	$0	$0	$0	$28,445
5307	Cape Cod Regional Transit Authority (CCRTA)	119306	CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES		$42,436	$10,609	$0	$0	$0	$0	$0	$53,045
5307	Cape Cod Regional Transit Authority (CCRTA)	117C00	NON FIXED ROUTE ADA PARA SERV	2013	$511,463	$0	$0	$0	$0	$127,866	$0	$639,329
5307	Cape Cod Regional Transit Authority (CCRTA)	300900	OPERATING ASSISTANCE	2013	$700,000	$0	$0	$0	$0	$700,000	$0	$1,400,000
				Subtotal	$6,119,654	$403,686	$0	$0	$0	$1,651,227	$0	$8,174,567
5309												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5310												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5311												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5337												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5339												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Federal												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Non-Federal												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
				Total	$10,383,101	$1,338,977	$0	$0	$8,213	$3,167,089	$0	$14,889,167

Transportation Improvement Program (TIP)
Project List (FY2017)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ITCCAP	TDC	SCA	LocalFunds	Total Cost
5307												
5307	Cape Cod Regional Transit Authority (CCRTA)	113400	REHAB/RENOVATE BUS STATIONS	2015	$449,822	$112,455	$0	$0	$0	$0	$0	$562,277
5307	Cape Cod Regional Transit Authority (CCRTA)	119302	CONSTRUCTION - BUS SHELTERS		$46,400	$11,600	$0	$0	$0	$0	$0	$58,000
5307	Cape Cod Regional Transit Authority (CCRTA)	119305	CONSTRUCT PED ACCESS / WALKWAYS		$20,748	$5,187	$0	$0	$0	$0	$0	$25,935
5307	Cape Cod Regional Transit Authority (CCRTA)	117C00	NON FIXED ROUTE ADA PARA SERV	2015	$526,807	$0	$0	$0	$0	$131,702	$0	$658,509
5307	Cape Cod Regional Transit Authority (CCRTA)	117L00	MOBILITY MANAGEMENT	2014, 2015	$1,192,000	$0	$0	$0	$0	$298,000	$0	$1,490,000
5307	Cape Cod Regional Transit Authority (CCRTA)	300900	OPERATING ASSISTANCE	2015	$800,000	$0	$0	$0	$0	$800,000	$0	$1,600,000
5307	Cape Cod Regional Transit Authority (CCRTA)	114207	ACQUIRE - ADP HARDWARE		$52,000	$13,000	$0	$0	$0	$0	$0	$65,000
5307	Cape Cod Regional Transit Authority (CCRTA)	117A00	PREVENTIVE MAINTENANCE	2015	$2,197,449	$0	$0	$0	$0	$549,362	$0	$2,746,811
5307	Cape Cod Regional Transit Authority (CCRTA)	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2015	$1,205,958	$301,489	$0	$0	$0	$0	$0	$1,507,447
				Subtotal	$6,491,184	$443,731	$0	$0	$0	$1,779,064	$0	$8,713,979
5309												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5310												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5311												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5337												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5339												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Federal												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Non-Federal												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
				Total	$16,874,285	$1,782,708	$0	$0	$8,213	$4,946,153	$0	$23,603,146

Transportation Improvement Program (TIP)
Project List (FY2018)

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ITCCAP	TDC	SCA	LocalFunds	Total Cost
5307												
5307	Cape Cod Regional Transit Authority	113400	REHAB/RENOVATE BUS STATIONS	2015	$463,316	$115,829	$0	$0	$0	$0	$0	$579,145
5307	Cape Cod Regional Transit Authority	119305	CONSTRUCT PED ACCESS / WALKWAYS		$21,162	$5,291	$0	$0	$0	$0	$0	$26,453
5307	Cape Cod Regional Transit Authority	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2015, 2017	$900,407	$225,102	$0	$0	$0	$0	$0	$1,125,509
5307	Cape Cod Regional Transit Authority	114207	ACQUIRE - ADP HARDWARE	2016	$56,000	$14,000	$0	$0	$0	$0	$0	$70,000
5307	Cape Cod Regional Transit Authority	111203	BUY REPLACEMENT 30-FT BUS (5)	2016	$1,699,500	$424,875	$0	$0	$0	$0	$0	$2,124,375
5307	Cape Cod Regional Transit Authority	119302	CONSTRUCTION - BUS SHELTERS	2016	$48,000	$12,000	$0	$0	$0	$0	$0	$60,000
5307	Cape Cod Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV	2016	$542,612	$0	$0	$0	$0	$135,653	$0	$678,265
5307	Cape Cod Regional Transit Authority	117L00	MOBILITY MANAGEMENT	2016	$1,227,760	$0	$0	$0	$0	$306,940	$0	$1,534,700
5307	Cape Cod Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE	2016, 2017	$2,263,373	$0	$0	$0	$0	$565,843	$0	$2,829,216
5307	Cape Cod Regional Transit Authority	300900	OPERATING ASSISTANCE	2017	$1,000,000	$0	$0	$0	$0	$1,000,000	$0	$2,000,000
				Subtotal	$8,222,130	$797,097	$0	$0	$0	$2,008,436	$0	$11,027,663
5309												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5310												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5311												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5337												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
5339												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Federal												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
Other Non-Federal												
				Subtotal	$0	$0	$0	$0	$0	$0	$0	$0
				Total	$25,096,415	$2,579,805	$0	$0	$8,213	$6,954,589	$0	$34,630,809

CAPE COD
COMMISSION

Appendix:
Status of Previous TIP Projects

Cape Cod Transportation Improvement Program (TIP) - Advertised Projects & Status

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
603690	CHATHAM- BRIDGE REPLACEMENT, C-07-001, BRIDGE STREET OVER THE MITCHELL RIVER	10/26/2013			APB-GANS			$14,400,000
	2014 ADVERTISING PROGRAM							
602213	ORLEANS- INTERSECTION IMPROVEMENTS (ROUNDABOUT) AT CHATHAM ROAD (ROUTE 28) & CRANBERRY HIGHWAY (ROUTE 6A)	8/24/2013		$1,331,245	CMAQ		state	$1,331,245
605671	FALMOUTH- INTERSECTION IMPROVEMENTS AT EAST FALMOUTH HIGHWAY (ROUTE 28), DAVISVILLE ROAD & OLD MEETINGHOUSE ROAD AND INTERSECTION IMPROVEMENTS AT TEATICKET HIGHWAY (ROUTE 28) AND JONES ROAD/WORCESTER COURT	9/14/2013		$3,308,075	CMAQ		state	$3,308,075
607263	BARNSTABLE- BOURNE- SANDWICH- INSTALLATION OF REAL TIME TRAFFIC MONITORING (RTTM) SYSTEM AND VARIABLE MESSAGE BOARDS ON ROUTES 6, 25 AND 28 (CAPE COD REGIONAL ITS)	8/17/2013		$1,500,000	STP	underway	state	$1,500,000
606286	BOURNE- SANDWICH- RESURFACING OF ROUTE 6 (MID-CAPE HIGHWAY), FROM SAGAMORE BRIDGE TO SANDWICH/BARNSTABLE T.L. INCLUDES 6 BRIDGES	12/29/2012	4/18/2013	$8,200,948	NHS		state	$8,200,948
	2013 ADVERTISING PROGRAM							
605243	YARMOUTH- INTERSECTION IMPROVEMENTS AT OLD TOWN HOUSE ROAD AND FOREST ROAD	2/22/2012	5/30/2012	$1,221,000	HSIP	underway	town	$1,221,000
605375	DENNIS- RECONSTRUCTION ON EAST WEST DENNIS ROAD (ROUTE 134) FROM MAIN STREET (ROUTE 28) TO UPPER COUNTY ROAD	5/19/2012	?	$4,390,504	CMAQ HSIP	underway	town	$4,390,504
605291	DENNIS- BRIDGE REPLACEMENTS, D-07-001 & D-07-006, UPPER COUNTY ROAD & MAIN STREET (SR 28) OVER SWAN POND RIVER	6/9/2012	?	$10,964,561	BR	underway	state	$10,964,561
	New transit service Bourne-Sandwich	12/5/2011	1/30/2012	$138,580	CMAQ	transferred	state	$138,580
	New transit service Bourne-Falmouth	12/5/2011	1/30/2012	$137,540	CMAQ	transferred	state	$137,540
	2012 ADVERTISING PROGRAM							
604918	HARWICH- RECONSTRUCTION OF ROUTE 137, FROM QUEEN ANNE ROAD TO THE BREWSTER T.L.	8/30/2011	11/22/2011	$5,916,934	STP CMAQ	underway	state	$5,333,643
606131	SANDWICH- INTERSECTION (ROUNDABOUT) IMPROVEMENTS @ COTUIT ROAD/HARLOW ROAD/SOUTH SANDWICH ROAD	9/7/2011	11/22/2011	$1,043,641	HSIP	underway	state	$1,098,743
606295	SANDWICH- CABLE BARRIER INSTALLATION ON ROUTE 6	7/29/2011	8/16/2011	$300,000	HSIP	completed	state	$289,867
605619	FALMOUTH- RESURFACING & RELATED WORK ON ROUTE 28	9/7/2011	11/29/2011	$5,686,424	NHS		state	$5,369,217

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
	2011 ADVERTISING PROGRAM							
604914	BARNSTABLE- LANDSCAPING & IMPROVEMENTS ON ROUTE 132, FROM ROUTE 6 TO BEARSE'S WAY [Landscaping]	2/27/2010	4/6/2010	$1,100,000	STP	complete	town	$783,933
604093	BARNSTABLE- ROUNDABOUT CONSTRUCTION AT INTERSECTION OF ROUTE 149 & ROUTE 6 (EB) EXIT RAMP	9/11/2010	3/22/2011	$1,868,000	HSIP	underway	state	$1,868,000
604744	SANDWICH- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS AT ROUTE 130 RAMPS & ROUTE 6	9/11/2010	2/8/2011	$2,434,000	STP	underway	state	$1,521,000
605943	BOURNE- SANDWICH- CAMERA & EQUIPMENT INSTALLATION AT THE SAGAMORE & BOURNE BRIDGES & ROUTE 6	9/11/2010	1/19/2011	$1,000,000	STP	completed	state	$1,076,269
	Vehicles, equipment & terminal improvements	9/11/2010	10/1/2010	$635,322	ARRA	transferred	state	$635,322
	2010 ADVERTISING PROGRAM							
604521	BARNSTABLE- RESURFACING AND RELATED WORK ON ROUTE 6A	3/9/2009	6/23/2009	$3,045,000	ARRA	complete	state	$3,045,000
604914	BARNSTABLE- LANDSCAPING & IMPROVEMENTS ON ROUTE 132, FROM ROUTE 6 TO BEARSE'S WAY [Landscaping]	5/9/2009	7/14/2009	$1,500,000	STP	REJECTED - ReADV	town	$0
604096	BARNSTABLE- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 28 @ 3 LOCATIONS: LUMBERT MILLS ROAD, SOUTH COUNTY ROAD AND ROUTE 149	6/27/2009	9/1/2009	$3,200,000	CMAQ	complete	town	$3,200,000
604224	BOURNE- COLD PLANING AND RESURFACING ON ROUTE 6 (SCENIC HIGHWAY)	4/4/2009	4/21/2009	$1,651,519	ARRA	complete	state	$1,651,519
	Hwy Safety Improvement Program DESIGN (Sand. Cotuit Harlow)	9/1/2009		$458,514	HSIP	complete	state	$458,514
605214	DENNIS- COLD PLANING & RESURFACING ON ROUTE 6A	5/16/2009	6/16/2009	$1,680,620	ARRA	complete	state	$1,680,620
603494	FALMOUTH- BRIDGE REPLACEMENT, F-03-009, CHAPOQUOIT ROAD OVER WEST FALMOUTH HARBOR	8/8/2009	11/10/2009	$3,000,000	BR	Spring 2012	town /	$2,667,948
603609	FALMOUTH- RECONSTRUCTION OF ROUTE 28 AT REINE'S CORNER	9/26/2009	12/17/2009	$2,000,000	STP	Spring 2011	state	$1,237,500
	2009 ADVERTISING PROGRAM							
603894	BOURNE- MEDIAN INSTALLATION & IMPROVEMENTS ON ROUTE 6 (SCENIC HIGHWAY)	4/26/2008		$4,935,910	STP	complete	town	$3,948,728
605037	DENNIS- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 28 AT ROUTE 134 & SWAN RIVER ROAD	9/20/2008		$843,000	CMAQ	complete	town	$596,000

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
604919	HARWICH- INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 124 AND QUEEN ANNE ROAD	8/2/2008	11/13/2008	$1,200,000	CMAQ	complete	town	$859,800
CCNS	Rte. 6 at Province Lands Rd.	2/1/2008		$2,500,000		complete	NPS	$2,500,000
602923	YARMOUTH- PEDESTRIAN & SITE IMPROVEMENTS ON ROUTE 28 @ BASS RIVER TOWN PROPERTY ABUTTING BASS RIVER (PACKETT'S LANDING)	7/15/2008	9/9/2008	$633,436		complete	town	$633,436
	2008 ADVERTISING PROGRAM							
603520	FALMOUTH- SHINING SEA BIKE PATH CONSTRUCTION, FROM COUNTY ROAD TO CARLSON LANE	9/1/2007	3/25/2008	$3,631,123	CMAQ	7/09 complete	town	$4,000,000
	2007 ADVERTISING PROGRAM							
	Hyannis Gateway / Main St. Lighting etc.	7/8/2006				complete	town	$378,944
604091	DENNIS- RECONSTRUCTION OF SWAN RIVER ROAD, ROUTE 134 TO LOWER COUNTY ROAD	8/12/2006	9/25/2007	$2,395,528	CMAQ	complete	town	$2,300,000
55400	FALMOUTH- BRIDGE REPLACEMENT, F-03-008, PALMER AVENUE OVER THE BAY COLONY RAILROAD	9/16/2006	10/16/2007		BR	awarded-terminated	state	$1,500,000
603666	ORLEANS- INTERSECTION IMPROVEMENTS, ROUTE 28 AT FINLAY ROAD	9/9/2006	7/24/2007	$645,524	STP	complete	town	$590,000
604335	SANDWICH- RECONSTRUCTION OF ROUTE 130, WATER STREET @ MAIN STREET	8/26/2006	10/16/2007	$546,657	STP	complete	town	$600,000
	2006 ADVERTISING PROGRAM							
601441	BARNSTABLE- RECONSTRUCTION ON ROUTE 132 (2 LANES TO 4 LANES) FROM ROUTE 6 TO BEARSE'S WAY (2 MILES)	9/17/2005	12/20/2006	$10,000,000	STP	landscaping to be done	town	$9,600,000
603813	EASTHAM- ORLEANS- RESURFACING AND RELATED WORK ON ROUTE 6	7/23/2005	?	$2,200,000	NFA	complete	state	$2,200,000
603349	FALMOUTH- BRIDGE REHABILITATION, F-03-005, WATER STREET OVER EEL POND	8/20/2005	5/16/2006	$7,800,000	BR	complete	town	$8,000,000
	2005 ADVERTISING PROGRAM							
602559	ORLEANS- TRAFFIC SAFETY IMPROVEMENTS ON ROUTE 6A AT WEST ROAD AND ELDRIDGE PARK WAY (SKAKET CORNERS)	11/21/2003	2/18/2004	$730,000	NFA	complete 2006	town	$962,000
603521	FALMOUTH- CONSTRUCTION OF THE SHINING SEA BIKEWAY FROM SKATING LANE TO CARLSON LANE (3,500 FEET) PHASE IIB	7/17/2004	9/8/2004	$672,000	CMAQ	7/2/2005	town	$423,450

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
601916	BARNSTABLE- RECLAMATION OF BEARSE'S WAY FROM ROUTE 28 NORTH TO PITCHER'S WAY (4,300 FEET)	8/7/2004	12/14/2004	$1,651,000	STP	complete	town	$1,757,596
603847	BOURNE- SAGAMORE ROTARY GRADE SEPARATION PROJECT [Depot & Temp P&R Improvements]	7/24/2004	9/8/2004	$5,000,000	STP	complete	state	$3,475,470
603847	BOURNE- SAGAMORE ROTARY GRADE SEPARATION PROJECT [Fire Station Construction]	8/14/2004			STP	complete	state	$4,065,000
603847	BOURNE- SAGAMORE ROTARY GRADE SEPARATION PROJECT	8/14/2004			STP	complete	state	$36,336,000
602326	YARMOUTH- RECONSTRUCTION, WILLOW STREET 400 FT. NORTH OF ROUTE 6 TO BARNSTABLE T.L.	9/27/2004	2/1/2005	$2,652,000	STP	complete	town	$2,652,000
	2004 ADVERTISING PROGRAM							
603427	BARNSTABLE- RESURFACING AND RELATED WORK ON ROUTE 6 FROM SANDWICH/BARNSTABLE T.L. TO BARNSTABLE/YARMOUTH T.L. (13,630 METERS)	9/16/2003	1/6/2004	$4,000,000	STP	complete 2005	state	$4,000,000
	2003 ADVERTISING PROGRAM							
601466	CHATHAM- CONSTRUCTION OF A MULTI-USE TRAIL (CAPE COD RAIL TRAIL)	8/10/2002	11/19/2002	$1,438,041	CMAQ		town	$1,800,000
602842	DENNIS- HARWICH- RESURFACING AND RELATED WORK ON A SECTION OF ROUTE 28	3/19/2002	4/23/2002	$1,509,535	NFA	Jun 02-03	state	$1,491,063
602520	EASTHAM- WELLFLEET- TRAFFIC SAFETY IMPROVEMENT PROJECT AT 5 LOCATIONS ALONG ROUTE 6	12/3/2001	4/2/2002	$1,038,839	NFA	complete 2004	state	$996,181
602531	FALMOUTH- BRIDGE REPLACEMENT, BR# F-03-019 MEADOW NECK ROAD OVER THE MOONAKIS RIVER	9/7/2002	12/17/2002	$861,489	BR		town/stat	$861,489
602562	ORLEANS- ROADWAY RECONSTRUCTION AND RELATED WORK ON SECTIONS OF MAIN STREET AND OLD COLONY WAY	9/28/2002	1/7/2003	$362,181	NFA		town	$362,181
	2002 ADVERTISING PROGRAM							
0	Academy Road Railroad crossing	5/12/2001	?		NFA		state	$247,507
602309	HARWICH- CONSTRUCTION OF A BICYCLE PATH BRIDGE H-10-020 (CAPE COD RAIL TRAIL)	10/20/2000	1/23/2001	$703,342	CMAQ	11/24/2001	regional	$703,342
602293	HARWICH- BRIDGE REHABILITATION, BR# H-10-001 LOWER COUNTY ROAD OVER HERRING RIVER	3/12/2001	?			----------	state	

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
602293	HARWICH- BRIDGE REHABILITATION, BR# H-10-001 LOWER COUNTY ROAD OVER HERRING RIVER	7/21/2001	9/25/2001	$1,386,288	NFA_BR	11/30/02**	state	$1,386,288
600756	HARWICH- DECK REPLACEMENT, BR# H-10-016 ROUTE 6 (MID CAPE HIGHWAY) OVER DEPOT STREET	6/2/2001	7/31/2001	$1,895,284	NFA_BR	11/29/03**	state	$1,895,284
601930	MASHPEE- SIDEWALK AND SHOULDER CONSTRUCTION ALONG ROUTE 28 (FALMOUTH ROAD) FROM FALMOUTH T.L. TO SHELL BACK WAY (2,288')	7/21/2001	9/25/2001	$959,370	STP	11/30/02**	state	$959,370
603304	ORLEANS- CONSTRUCTION OF A BICYCLE/PEDESTRIAN BRIDGE, BR# O -04-006 CAPE COD RAIL TRAIL OVER ROCK HARBOR ROAD	7/14/2001	9/18/2001	$2,754,491	CMAQ	11/30/02**	regional	$2,350,000
600392	SANDWICH- RECONSTRUCTION AND RELATED WORK ALONG 3 SECTIONS OF ROUTE 130	9/29/2001	7/9/2002	$1,904,711	NFA		town	$1,900,000
	2001 ADVERTISING PROGRAM							
601422	BOURNE- PLYMOUTH- WAREHAM- RESURFACING AND RELATED WORK ON SECTIONS OF HEAD OF THE BAY ROAD AND RED BROOK ROAD	7/8/2000	?		STP	advertised in 2000	town	
600967	BARNSTABLE- MASHPEE- BRIDGE REPLACEMENT, BR# B-01-006=M-08 -001 SCHOOL STREET OVER SANTUIT RIVER	5/6/2000	6/13/2000	$620,213	BR	11/1/2001	town	$698,584
601422	BOURNE- PLYMOUTH- WAREHAM- RESURFACING AND RELATED WORK ON SECTIONS OF HEAD OF THE BAY ROAD AND RED BROOK ROAD	7/8/2000	9/12/2000	$1,285,815	STP	Dec 2001	state	$1,248,879
601955	DENNIS- ROADWAY AND RAMP CONSTRUCTION, ROUTE 6 AT THE INTERSECTION WITH ROUTE 134 (INTERCHANGE #9)	6/17/2000	9/19/2000	$2,165,316	NFA	5/24/03**	state	$3,038,500
601751	YARMOUTH- RECONSTRUCTION OF BUCK ISLAND RD BETWEEN CAMP ST & WINSLOW GRAY RD AND TOWN BROOK RD BETWEEN BUCK ISLAND RD & RT.28	6/24/2000	8/22/2000	$1,389,680	STP	Nov 2002**	town	$1,665,000
	2000 ADVERTISING PROGRAM							
601801	Barns, Route 132 Signal Coordination	10/11/1997	5/6/1998	$249,305	NFA	9/26/1998	town	$290,000
600966	BARNSTABLE- BRIDGE REPLACEMENT, BR# B-01-002 CRAIGVILLE BEACH ROAD OVER CENTERVILLE RIVER	12/27/1997	4/14/1998	$834,399	BR	6/1/2002	town	$906,759
600967	BARNSTABLE- MASHPEE- BRIDGE REPLACEMENT, BR# B-01-006=M-08 -001 SCHOOL STREET OVER SANTUIT RIVER	11/29/1997	4/28/1998	$2,000	BR	re-advertised	town	
601522	Setucket Rd (Old Bass River Rd to Rte 134)	11/29/1997	1/28/1998	$657,694	STP	complete	town	$706,960

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
601849	SANDWICH- CONSTRUCTION OF SITE IMPROVEMENTS AT THE ROUTE 6 REST AREA (WESTBOUND) (P.V. CHANGE)	8/1/1998	?		NFA	?	state	$150,914
600970	FALMOUTH- BRIDGE REPLACEMENT, BR# F-03-014 CHURCH STREET OVER ACCESS ROAD & BIKEPATH	9/19/1998	1/12/1999		BR	5/27/2000	town	$1,170,899
601966	Intersection Rt 6 and Nightingale Pond Dr & Scenic Dr [State ID Duplicate]	9/12/1998	11/17/1998		NFA	11/22/1999	town	$251,678
	1998 ADVERTISING PROGRAM							
601541	Route 6 safety improvements, signs	11/23/1996	3/11/1997		NFA	complete 1997	state	$659,265
105701	BARNSTABLE- RESURFACING AND RELATED WORK ON A SECTION OF ROUTE 28 (FALMOUTH ROAD)	12/28/1996	4/1/1997		NFA	11/30/1998	state	$4,168,495
600969	Bridge, Bridge Rd over Boat Meadow River #E-04-001	2/22/1997	6/24/1997		NFA	completed 1999	town	$565,363
601095	Bridge, Quaker Rd over Herring Brook #F-03-011	1/11/1997	5/28/1997	$1,198,203	BR	complete may00	town	$1,256,079
600517	Pedestrian signal Rte 28 @ Falmouth Mall	2/22/1997	5/6/1997	$54,738	NFA	11/1/1997	town	$51,920
601465	Construction of Bike Path CCRT extension	1/18/1997	8/26/1997	$698,302	NFA	8/22/1998	town	$674,451
601883	Great Neck Rd South section	2/1/1997	4/29/1997	$667,492	NFA	complete	town	$750,910
601882	Route 151 section	2/15/1997	?		NFA	complete	town	$344,993
601706	Route151 @ Old Barns Rd (signal)	9/6/1997	11/18/1997	$279,706	NFA	complete 1999	town	$315,539
601849	SANDWICH- CONSTRUCTION OF SITE IMPROVEMENTS AT THE ROUTE 6 REST AREA (WESTBOUND) (P.V. CHANGE)	2/22/1997	?			readvertised	state	
601849	SANDWICH- CONSTRUCTION OF SITE IMPROVEMENTS AT THE ROUTE 6 REST AREA (WESTBOUND) (P.V. CHANGE)	6/14/1997	?			readvertised 98	state	
117808	SANDWICH- RESURFACING AND RELATED WORK ON ROUTE 6A FROM TUPPER ROAD (EAST END) TO CHIPMAN ROAD	2/22/1997	5/6/1998	$1,812,077	NFA	11/30/2000	state	$2,212,787
601582	Park & Ride lot expansion, Rte 6 at Rte 132	6/21/1997	8/26/1997	$799,528	CMAQ	8/29/1998	state	$931,620
600795	YARMOUTH- TRAFFIC SAFETY IMPROVEMENTS INCLUDING SIGNALS, ROUTE 28 (MAIN STREET) AT FOREST ROAD	6/14/1997	5/6/1998	$539,380	NFA	??? deobligated	state	

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
	1997 ADVERTISING PROGRAM							
601396	BARNSTABLE- ROADWAY RECONSTRUCTION INCLUDING TRAFFIC SIGNALS ON A SECTION OF ROUTE 28 (FALMOUTH ROAD)	9/21/1996	5/12/1998	$1,249,101	STP	11/30/1999	town	$1,278,140
601194	Route 25 EB to rest area, water service tie in	11/25/1995	?	$361,495	NFA	7/13/1996	state	$545,719
601423	Buzzards Bay Train Station Improvements	9/21/1996	1/7/1998	$149,747	STP	12/31/1999	town	$155,677
601418	Monument Beach Train Station Improvements	9/21/1996	2/11/1998	$28,698	STP	completed 1999	town	$32,163
601634	Route 6 / Rogers Lane, drainage	12/2/1995	?	$61,596	NFA	11/6/1996	state	$30,950
601257	Route 151 @ Sandwich Rd	10/14/1995	?	$408,260	STP	7/5/1997	town	$499,676
601690	Construct Shining Sea Bikeway, Phase II	6/15/1996	?	$299,974	NFA	7/12/1997	town	$273,399
600402	Route 151 Section	9/28/1996	10/7/1997	$1,524,864	STP	5/28/1999	town	$1,622,950
601563	TRURO- CONSTRUCTION OF TWO CHEMICAL STORAGE SHEDS (ROUTE 6 MAINTENANCE DEPOT)	6/1/1996	10/8/1996	$200,000	NFA	?	state	$199,850
601084	Route 6 Bridges #'s: Y-1-5, 5a, 6, 12, 13, 14	10/21/1995	2/21/1996	$986,000	NFA	1/14/1998	state	$986,332
601859	Reconstruct railroad grade crossing Willow St	9/21/1996	11/5/1996	$375,222	NFA	7/30/1997	state	$269,298
	1996 ADVERTISING PROGRAM							
600897	Route 132 @ Bearses Way Intersection	12/10/1994	3/1/1995	$357,790	NFA	6/14/1996	town	$357,790
600694	Route 6 Sign Update & Replacement	12/17/1994	4/26/1995	$590,021	NFA	11/30/1995	state	$590,021
600728	Bridge Maint. Rte 6, Y-1-7,15,16, D-7-11	10/8/1994	1/11/1995	$1,392,855	NFA	9/16/1996	state	$1,392,855
	Route 6 rest area renovations	9/16/1995	1/17/1996	$168,736	NFA	8/8/1996	state	$168,736
601219	SSA ferry terminal & marine facilities	4/22/1995	8/16/1995	$4,568,000	FBD	7/9/1997	SSA	$4,568,000
600564	Rte 124 @ Rte 6, Park & Ride Lot Construction	4/1/1995	8/30/1995	$182,900	NFA	8/19/1996	state	$182,900
601039	Route 130 section, resurfacing & related	2/4/1995	5/2/1995	$160,369	NFA	7/20/1995	town	$160,369
	1995 ADVERTISING PROGRAM							

State_ID	Description	Ad Date	Award Date	Bid Price	Funding	Completed?	Proponent	TIP Cost
600326	Route 6, Install surface mount delineators	11/13/1993	3/24/1994	$37,717	NFA	YES	state	$37,717
53355	Bridge, Menauhant Rd over Green Pond, BR#F-03-002	12/31/1993	11/9/1994	$2,274,690	BR	12/1/1996	?town	$2,274,690
600485	Bridge #H-10-014, Rte 137 Br betterment over Rte 6	12/18/1993	5/25/1994	$564,384	NFA_BR	7/15/1995	state	$564,384
17400	Bridge#S-04-02/Conrail, Old County Rd & Related	12/4/1993	7/6/1994	$282,240	BR	7/29/1996	town	$282,240
600492	Rte 6@Bournedale & Nightingale Rds, sig & safety	2/12/1994	7/27/1994	$662,568	NFA	7/31/1998	state	$662,568
600407	Rte 151 Resurface & related	9/3/1994	11/16/1994	$145,680	NFA	10/1/1995	?town	$145,680
	1994 ADVERTISING PROGRAM							
56206	Bridge, Perry St, replacement/related BR# B-17-010	5/22/1993	8/4/1993	$857,648	BR	11/30/1994	?town	$857,648
	Cape Cod Rail Trail (extension)	3/6/1993	6/9/1993	$1,239,333	CMAQ	9/30/1994	DEM	$1,239,333
600111	Roof Replacement Orleans Depot, Bay Ridge La & 6, 6A	6/26/1993	11/24/1993	$68,500	NFA	done?	state	$68,500
	1993 ADVERTISING PROGRAM							
604488	DENNIS- YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, INCLUDES REPLACING D-07-015, CCRT OVER ROUTE 134 & Y-01-009, CCRT OVER STATION AVENUE			$1,300,000	CMAQ TAP	underway	town	$7,412,899
606178	BOURNE- RESURFACING & RELATED WORK ON ROUTE 28				HSIP NHPP			$7,418,338
	ADVERTISING PROGRAM							

CAPE COD
COMMISSION

Appendix:
Projects in Need of Funding

PROJECTS IN NEED OF FUNDING (For Information Only)			Estimated Cost
BARNSTABLE	URBAN AREA	Improved access for Hyannis Transportation Center	$ 5,000,000
BARNSTABLE	URBAN AREA	Route 28 /Osterville-West Barnstable Road Intersection	$ 2,000,000
BARNSTABLE BOURNE	URBAN AREA	Improvments to Real Time Traffic Information System -- Design Build of year-round 24/7 Web based traffic information system based on cameras, sensors, with 511 to reduce road rage, congestion, and improve mobility and incident management through improved information	$ 3,000,000
BARNSTABLE YARMOUTH	URBAN AREA	Hyannis Access Preferred Alternative including Airport Rotary improvements, grade separation of Route 28-Route 132 with tunnel / overpass direct connection, Rt 28/Yarmouth Rd intersection upgrade; reconstruction of sections of Yarmouth Road and Rt 28 to include addtional 2 lanes of travel with median divider, sidewalk and multiuse paths	$ 52,000,000
BOURNE	URBAN AREA	Belmont Circle Intersection Improvement Project	$ 5,040,000
BOURNE	URBAN AREA	Bourne Rotary Improvement Project	$ 50,000,000
BOURNE	URBAN AREA	Route 6 / Route 28 Bypass --Memorial Circle to Belmont Circle (1.1 miles)	$ 2,000,000
BOURNE	URBAN AREA	Memorial Circle Intersection Improvement Project	$ 1,125,000
BOURNE	URBAN AREA	Route 6 Scenic Highway Median Barrier	$ 12,000,000
BOURNE PROVINCETOWN	URBAN AREA	Regional bicycle route from Cape Cod Canal to Provincetown	
BREWSTER	URBAN AREA	Route 6A Resurfacing	$ 6,000,000
BREWSTER	URBAN AREA	Full depth reclamation Harwich Road / Rte. 124	$ 1,500,000
BREWSTER	URBAN AREA	Full depth reclamation Long Pond Road / Rte. 137	$ 1,900,000
BREWSTER	URBAN AREA	Full depth reclamation Stony Brook Road, Rte. 6A - Satucket Rd	$ 600,000
Cape Cod Regional Transit Authority	URBAN AREA	Intercity Seasonal Connector-demonstration	$ 4,000,000
CHATHAM	URBAN AREA	Route 28/Main Street/Depot Road/Queen Anne Road/Crowell Road	$ 2,000,000
EASTHAM	URBAN AREA	Route 6 and Governor Prence Road Improvements - Bicycle / Pedestrian	$ 1,000,000
HARWICH	URBAN AREA	Route 39 section, 1.6 miles from Bay Road to Brewster TL	$ 2,000,000
HARWICH	URBAN AREA	Route 39 section, 2.0 miles from Oak Street to Queen Anne Road	$ 2,500,000
MASHPEE	URBAN AREA	Route 151 Corridor Improvements	$ 8,250,000
ORLEANS	URBAN AREA	Rock Harbor Road drainage improvements and roadway reconstruction	$ 600,000
ORLEANS	URBAN AREA	Main Street Sidewalk extension and reconstruction of Meeting House Road intersection	$ 300,000
STEAMSHIP AUTHORITY	URBAN AREA	M/V Governor Replacement	$ 30,000,000
STEAMSHIP AUTHORITY	URBAN AREA	Woods Hole Terminal Reconstruction	$ 40,000,000
STEAMSHIP AUTHORITY	URBAN AREA	Thomas B. Landers Road Parking Lot	$ 8,000,000
WELLFLEET		Chequessett BR Rehabilitation	$ 12,000,000
YARMOUTH	URBAN AREA	Safety improvemetns atRoute 6 ramps at Exit 8 (Union Street/Station Avenue).	$ 5,000,000
YARMOUTH	URBAN AREA	Yarmouth, Sidewalk improvements: North Main Street sidewalk of approximately 1 mile connecting existing sidewalk with major recreation area	$ 650,000
		TOTAL	**$ 258,465,000**

CAPE COD
COMMISSION

Appendix: Glossary

CAPE COD COMMISSION

GLOSSARY

CAPE COD COMMISSION

C1a. DEFINITIONS

The terms below define primarily the column headings in the TIP Projects Listing tables:

DESCRIPTION - This column is a brief description of the project. Complete descriptions can be obtained through the project proponent.

MUNICIPALITY - This column lists the town(s) of project location, "Capewide" for a regional project. The project proponent may also be listed in this column, e.g. "CCRTA, Capewide."

SID # - (State identification number) This column contains the number of the project assigned by the state. When a MHD "PROJIS" number has been assigned to the project, this number is included.

FUND - Proposed funding category for the project (described in A6. Transportation Funding Programs)

FED FUNDS - Estimated federal share cost of the project.

STATE FUNDS - Estimated state share cost of the project.

TOTAL COST - Estimated total project cost.

STATEWIDE - Anywhere in the Commonwealth of Massachusetts.

CAPEWIDE - Anywhere on Cape Cod (Barnstable County).

C1b. ACRONYMS

AADT	Annual Average Daily Traffic
AASHTO	American Association of State Highway and Transportation Officials
ARC	Available Reserve Capacity
BTP&D	(Massachusetts) Bureau of Transportation Planning and Development
CAAA	Clean Air Act Amendments of 1990
CEPO	Capital Expenditure and Program Office
CCC	Cape Cod Commission
CCJTC	Cape Cod Joint Transportation Committee

CCRTA	Cape Cod Regional Transit Authority
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CMR	Code of Massachusetts Regulations
CO	Carbon Monoxide
CTPS	Central Transportation Planning Staff
CZM	(Massachusetts) Coastal Zone Management
DCPO	Division of Capital Planning and Operations
DEP	Department of Environmental Protection
DOT	United States Department of Transportation
DRI	Development of Regional Impact
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EOEA	(Massachusetts) Executive Office of Environmental Affairs
EOTPW	(Massachusetts) Executive Office of Transportation and Public Works (2007)
EPA	Environmental Protection Agency
ESC	(Massachusetts) Enhancements Steering Committee
FA	Federal Aid
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year or Federal Fiscal Year
GPS	Global Positioning System
HPP	High Priority Project
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
ITC	Intermodal Transportation Center
ITE	Institute of Transportation Engineers
ITS	Intelligent Transportation System(s)
LOS	Level of Service
LRTP	Long Range Transportation Plan
MAP	Mobility Assistance Program
MAP-21	Moving Ahead for Progress in the 21st Century
MassDOT	Massachusetts Department of Transportation
MEPA	Massachusetts Environmental Protection Act
MHD	Massachusetts Highway Department or MassHighway (now MassDOT/Highway Division)
MPO	Metropolitan Planning Organization or Cape Cod Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NFA	Non Federal Aid
NHPP	National Highway Performance Program
NHS	National Highway System
NHTSA	National Highway Traffic Safety Administration
NOx	Nitrogen Oxides

PPP	Public Participation Process, or Public Participation Plan
PWED	Public Works Economic Development Program
RPA	Regional Planning Agency
RPP	Regional Policy Plan
RTA	Regional Transit Authority
RTP	Regional Transportation Plan
SIP	State Implementation Plan
SOV	Single Occupancy Vehicle
STEA	Surface Transportation Extension Act of 1997
STIP	Statewide Transportation Improvement Program
STP	Surface Transportation Program
TAP	Transportation Alternatives Program
TAZ	Traffic Analysis Zone
TEA-21	Transportation Equity Act for the 21st Century
TDM	Transportation Demand Management
TIP	Transportation Improvement Program
TMA	Transportation Management Area
TSM	Transportation Systems Management
USGS	United States Geographical Survey
v/c	Volume to Capacity
VMT	Vehicle Miles Traveled
VPD	Vehicles Per Day
VPH	Vehicles Per Hour

CAPE COD
COMMISSION

CAPE COD
COMMISSION

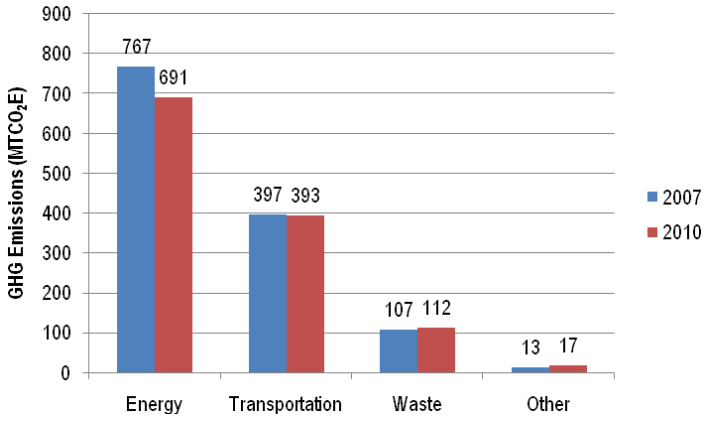
Appendix:

Greenhouse Gas Emissions Projects

GREENHOUSE GAS (GHG) EMISSIONS

The transportation sector contributes approximately one-third of carbon dioxide (CO_2) emissions nationally. Therefore, to reduce climate change impacts to the environment, a reduction of transportation emissions is beneficial.

The Cape Cod National Seashore estimated that 82% of mobile emissions were from visitors in 2007. The Cape Cod National Seashore has taken action to promote alternative modes, such as the FLEX shuttle in partnership with the Cape Cod Regional Transit Authority (CCRTA) run on bio-diesel fuel, and is planning for bicycle facility improvements. The Climate Friendly Parks Cape Cod National Seashore Action Plan includes the following table of CCNS operations emissions for 2007 and 2010:



Cape Cod National Seashore 2007 vs. 2010 Park Operations Emissions by Sector

To assist in monitoring GHG emissions, the Cape Cod Transportation Improvement Program (TIP) proposed projects now have a GHG impact number. For example, in TIP Year 2013, the proposed projects provide an estimated reduction in summer CO_2 emissions of 809,490.

CAPE COD COMMISSION

2015-2018 TIP GREENHOUSE GAS (GHG) 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 2015 - 2018 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 Governor Deval Patrick 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. This implementation plan establishes targets for overall, statewide GHG emissions:

- By 2020 **25 percent reduction** below statewide 1990 GHG emission levels
- By 2050 **80 percent reduction** below statewide 1990 GHG emission levels

GREENDOT POLICY

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

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

- **Promote the healthy transportation modes of walking, bicycling, and public transit.** MassDOT will achieve this by pursuing multi-modal, "complete streets" design standards; providing choice in transportation services; and by working with MPOs and other partners to prioritize and program a balance of projects that serve drivers, pedestrians, bicyclists, and public transit riders.
- **To support smart growth development.** MassDOT will achieve this by working with MPOs and other partners to make transportation investments that enable denser, smart growth development patterns that support reduced GHG emissions.

GREENDOT POLICY AND METROPOLITAN PLANNING ORGANIZATIONS

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

Regional GHG Tracking and Evaluation in RTPs

MassDOT coordinated with MPOs and regional planning agency (RPA) staffs on the implementation of GHG tracking and evaluation in development of each MPO's 2035 RTPs, which were adopted in September 2011.

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

- Modeling and long-range statewide projections for GHG emissions resulting from the transportation sector. Using the Boston MPO's regional model and the statewide travel demand model for the remainder of the state, GHG emissions were projected for 2020 no-build and build conditions, and for 2035 no-build and build conditions.
- All of the MPOs included these GHG emission projections in their RTPs, along with a discussion of climate change and a statement of MPO support for reducing GHG emissions as a regional goal.

PROJECT-LEVEL GHG TRACKING AND EVALUATION IN THE TRANSPORTATION IMPROVEMENT PROGRAM

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

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

RTP Projects - Major capacity expansion projects (e.g. Green Line Extension, I-95 Whittier Bridge Replacement) would be expected to have a significant impact on GHG emissions. However, these projects are included in the RTPs and analyzed using the statewide model or Boston regional model, which would reflect their GHG impacts. Therefore, no independent TIP calculations are required.

Quantified Decrease in Emissions - Projects that would be expected to produce a measurable decrease in emissions. The approach for calculating these impacts is described below. These projects should be categorized in the following manner:

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

- Quantified Decrease in Emissions from Bus Replacement - A bus replacement that would directly reduce GHG emissions generated by that bus service.
- Quantified Decrease in Emissions from Other Improvement

Quantified Increase in Emissions - Projects that would be expected to produce a measurable increase in emissions.

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

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

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

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

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

CAPE COD
COMMISSION

Appendix:
Statewide Tables

2015 Statewide Transportation Improvement Program

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Highway Safety Improvement Program								
607072	Statewide	Statewide- Implementation (Phase III) Of The Flashing Yellow Arrow At Signalized Intersections--One Of The "FHWA Nine Proven Countermeasures"	Statewide	HSIP	$ 1,500,000	$ 1,350,000	$ 150,000	
607492	Statewide	Statewide- Various Safety Strategies To Be Determined Based On 2013 SHSP And Updates	Statewide	HSIP	$ 7,252,087	$ 6,526,878	$ 725,209	
605833	Pioneer Valley	West Springfield to Bernardston – Traffic Sign Replacement on Interstate 91 (AC YR 2 of 2)	2	HSIP	$ 4,064,580	$ 3,658,122	$ 406,458	AC Yr 2 of 2
	Statewide	Conversion to Mileage based Exit Numbering	Statewide	HSIP	$ 4,000,000	$ 3,600,000	$ 400,000	WAITING ON FHWA FOR APPROVAL TO USE HSIP
606394	CCC	Barnstable - Route 28/Bearses Way	5	HSIP	$ 600,000	$ 540,000	$ 60,000	This is also on Regional CCC TIP
606485	Central MA	Route 146 Millbury-Sutton Median Barrier and other safety Improvements	3	HSIP	$ 1,250,000	$ 1,125,000	$ 125,000	
			Statewide HSIP Subtotal ►		$ 18,666,667	$ 16,800,000	$ 1,866,667	◄ 90% Federal + 10% Non-Federal
					Fed Aid Target	$ 16,800,000		
					Difference	$ 0		
					Constrained?	Yes		

2016 Statewide Transportation Improvement Program

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Highway Safety Improvement Program								
607495	Statewide	Statewide- Sign upgrade (for retroreflectivity) on secondary roadway	Statewide	HSIP	$ 5,160,000	$ 4,644,000	$ 516,000	
607493	Statewide	Statewide- Various Safety Strategies To Be Determined Based On 2013 SHSP And Updates	Statewide	HSIP	$ 7,790,000	$ 7,011,000	$ 779,000	
	Statewide	Conversion to Mileage based Exit Numbering	Statewide	HSIP	$ 2,000,000	$ 1,800,000	$ 200,000	WAITING ON FHWA FOR APPROVAL TO USE HSIP
607918	CCC	Route 6 sign upgrades Sandwich to Orleans	5	HSIP	$ 4,100,000	$ 3,690,000	$ 410,000	
606620	Statewide	Statewide- Taunton to Bolton I-495 Traffic Sign Replacement	Statewide	HSIP	$ 5,950,000	$ 5,355,000	$ 595,000	
				Statewide HSIP Subtotal ►	$ 25,000,000	$ 22,500,000	$ 2,500,000	◄ 90% Federal + 10% Non-Federal
					Fed Aid Target	$ 22,500,000		
					Difference	$ -		
					Constrained?	Yes		

2017 Statewide Transportation Improvement Program

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Highway Safety Improvement Program								
607494	Statewide	Statewide- Various Safety Strategies To Be Determined Based On 2013 SHSP And Updates	Statewide	HSIP	$ 6,100,000	$ 5,490,000	$ 610,000	
607496	Statewide	Statewide- Sign upgrade (for retroreflectivity) on secondary roadway	Statewide	HSIP	$ 8,400,000	$ 7,560,000	$ 840,000	
607916	OCPC/SRPEDD	Route 24 sign upgrade Randolph - Fall River	5	HSIP	$ 5,500,000	$ 4,950,000	$ 550,000	
				Statewide HSIP Subtotal ►	$ 20,000,000	$ 18,000,000	$ 2,000,000	◄ 90% Federal + 10% Non-Federal
					Fed Aid Target	$ 18,000,000		
					Difference	$ -		
					Constrained?	Yes		

2018 Statewide Transportation Improvement Program

Highway Safety Improvement Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Highway Safety Improvement Program								
	Statewide	Statewide- Various Safety Strategies To Be Determined Based On 2013 SHSP And Updates	Statewide	HSIP	$ 13,100,000	$ 11,790,000	$ 1,310,000	
607917		Route 290 Auburn - Worcester sign upgrade		HSIP	$ 4,200,000	$ 3,780,000	$ 420,000	
607919		Route 495 Bolton - Lowell sign upgrade		HSIP	$ 2,700,000	$ 2,430,000	$ 270,000	
				Statewide HSIP Subtotal ►	$ 20,000,000	$ 18,000,000	$ 2,000,000	◄ 90% Federal + 10% Non-Federal
					Fed Aid Target	$ 18,000,000		
					Difference	$ -		
					Constrained?	Yes		

2015 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Regional Major Infrastructure Program								
605181	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	4	CMAQ	$ 23,808,000	$ 19,046,400	$ 4,761,600	AC YR 3 of 4. Total Project Cost = $77,236,601 = FY 2013, 2014, & 2015 Regional Major Infrastructure (CMAQ+ TAP) + FY 2016 Regional Major Infrastructure (CMAQ) + FY 2013 HPP #2434 (2005) + 2013 IM (2010 Discretionary)+ FY 2013
605181	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	4	TAP	$ 458,334	$ 366,667	$ 91,667	AC YR 3 of 4. Total Project Cost = $77,236,601 = FY 2013, 2014, & 2015 Regional Major Infrastructure (CMAQ+ TAP) + FY 2016 Regional Major Infrastructure (CMAQ) + FY 2013 HPP #2434 (2005) + 2013 IM (2010 Discretionary)+ FY 2013
607731	Pioneer Valley	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	4	NHPP	$ 149,006,250	$ 119,205,000	$ 29,801,250	
				Statewide Regional Major Infrastructure Subtotal ►	$ 173,272,584	$ 138,618,067	$ 34,654,517	◄ 80% Federal + 20% Non-Federal
►Statewide - Other								
FFY15ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-BR-OFF	$ 3,207,506	$ 3,207,506	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY15ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-TE	$ 24,587,494	$ 24,587,494	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY15ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	$ 3,000,000	$ 3,000,000	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY15MSC	Statewide	DBES, FAPO, MISC PROGRAMS	Statewide	STP	$ 1,000,000	$ 800,000	$ 200,000	
FFY15EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	$ 42,292,125	$ 33,833,700	$ 8,458,425	
FFY15SPL	Statewide	PLANNING	Statewide	PL	$ 31,000,000	$ 24,800,000	$ 6,200,000	
FFY15SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	$ 1,000,000	$ 800,000	$ 200,000	
				Statewide Other Subtotal ►	$ 106,087,125	$ 91,028,700	$ 15,058,425	
►Statewide - Railroad Crossings Program								
FFY15RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRHE	$ 500,000	$ 400,000	$ 100,000	
FFY15RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRPD	$ 500,000	$ 400,000	$ 100,000	
				Statewide RailRoad Crossings Subtotal ►	$ 1,000,000	$ 400,000	$ 100,000	◄ 80% Federal + 20% Non-Federal

2016 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Regional Major Infrastructure Program								
605181	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	4	CMAQ	$ 4,832,356	$ 3,865,885	$ 966,471	AC YR 4 of 4. Total Project Cost = $77,236,601 = FY 2013, 2014, & 2015 Regional Major Infrastructure (CMAQ) & Statewide TE + FY 2016 Regional Major Infrastructure (CMAQ) + FY 2013
FFY16REG	Statewide	NO PROJECTS PROGRAMMED	Statewide	CMAQ	$ 12,667,645	$ 10,134,116	$ 2,533,529	
FFY16REG	Statewide	NO PROJECTS PROGRAMMED	Statewide	NHPP	$ 12,000,000	$ 9,600,000	$ 2,400,000	
607731	Pioneer Valley	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	Pioneer Valley	NHPP	$ 71,993,750	$ 57,595,000	$ 14,398,750	
				Statewide Regional Major Infrastructure Subtotal ►	$ 101,493,751	$ 81,195,001	$ 20,298,750	◄ 80% Federal + 20% Non-Federal
►Statewide - Other								
FFY16ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	$ 51,753,864	$ 51,753,864	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY16ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-TE	$ 14,350,000	$ 14,350,000	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY16MSC	Statewide	DBES, FAPO, MISC PROGRAMS	Statewide	STP	$ 1,000,000	$ 800,000	$ 200,000	
FFY16EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	$ 43,775,586	$ 35,020,469	$ 8,755,117	
FFY16SPL	Statewide	PLANNING	Statewide	PL	$ 31,000,000	$ 24,800,000	$ 6,200,000	
FFY16SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	$ 1,000,000	$ 800,000	$ 200,000	
				Statewide Other Subtotal ►	$ 142,879,450	$ 127,524,333	$ 15,355,117	
►Statewide - Railroad Crossings Program								
FFY16RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRHE	$ 500,000	$ 400,000	$ 100,000	
FFY16RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRPD	$ 500,000	$ 400,000	$ 100,000	
				Statewide RailRoad Crossings Subtotal ►	$ 1,000,000	$ 400,000	$ 100,000	◄ 80% Federal + 20% Non-Federal

2017 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Regional Major Infrastructure Program								
FFY17REG	Statewide	NO PROJECTS PROGRAMMED	Statewide	CMAQ	$ 32,000,000	$ 25,600,000	$ 6,400,000	
607731	Pioneer Valley	SPRINGFIELD- VIADUCT DECK REPLACEMENT OF S-24-061 ON I-91 (EARLY ACTION)	Pioneer Valley	NHPP	$ 9,000,000	$ 7,200,000	$ 1,800,000	
				Statewide Regional Major Infrastructure Subtotal ►	$ 41,000,000	$ 32,800,000	$ 6,400,000	◄ 80% Federal + 20% Non-Federal
►Statewide - Other								
FFY17ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	$ 90,571,614	$ 90,571,614	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY17ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	STP-TE	$ 14,350,000	$ 14,350,000	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY17MSC	Statewide	DBES, FAPO, MISC PROGRAMS	Statewide	STP	$ 1,000,000	$ 800,000	$ 200,000	
FFY17EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	$ 39,412,500	$ 31,530,000	$ 7,882,500	
FFY17SPL	Statewide	PLANNING	Statewide	PL	$ 32,250,000	$ 25,800,000	$ 6,450,000	
FFY17SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	$ 1,000,000	$ 800,000	$ 200,000	
				Statewide Other Subtotal ►	$ 178,584,114	$ 163,851,614	$ 14,732,500	
►Statewide - Railroad Crossings Program								
FFY17RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRHE	$ 2,500,000	$ 2,000,000	$ 500,000	
FFY17RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRPD	$ 2,500,000	$ 2,000,000	$ 500,000	
				Statewide RailRoad Crossings Subtotal ►	$ 5,000,000	$ 2,000,000	$ 500,000	◄ 80% Federal + 20% Non-Federal

2018 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Regional Major Infrastructure Program								
FFY18REG	Statewide	NO PROJECTS PROGRAMMED	Statewide	NHPP	$ 40,375,000	$ 32,300,000	$ 8,075,000	
FFY18REG	Statewide	NO PROJECTS PROGRAMMED	Statewide	CMAQ	$ 625,000	$ 500,000	$ 125,000	
				Statewide Regional Major Infrastructure Subtotal ►	$ 41,000,000	$ 32,800,000	$ 8,075,000	◄ 80% Federal + 20% Non-Federal
►Statewide - Other								
FFY18ABP	Statewide	ACCELERATED BRIDGE PROGRAM- GANS DEBT SERVICE	Statewide	NHPP	$ 106,236,614	$ 106,236,614	$ -	Accelerated Bridge Program (ABP) GANs payments begin in FFY 2015.
FFY18MSC	Statewide	DBES, FAPO, MISC PROGRAMS	Statewide	STP	$ 1,000,000	$ 800,000	$ 200,000	
FFY18EWO	Statewide	AWARD ADJUSTMENTS, CHANGE ORDERS, ETC	Statewide	STP	$ 38,625,000	$ 30,900,000	$ 7,725,000	
FFY18SPL	Statewide	PLANNING	Statewide	PL	$ 31,000,000	$ 24,800,000	$ 6,200,000	
FFY18SRT	Statewide	RECREATIONAL TRAILS	Statewide	REC	$ 1,000,000	$ 800,000	$ 200,000	
				Statewide Other Subtotal ►	$ 177,861,614	$ 163,536,614	$ 14,325,000	
►Statewide - Railroad Crossings Program								
FFY18RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRHE	$ 500,000	$ 400,000	$ 100,000	
FFY18RRC	Statewide	NO PROJECTS PROGRAMMED	Statewide	RRPD	$ 500,000	$ 400,000	$ 100,000	
				Statewide RailRoad Crossings Subtotal ►	$ 1,000,000	$ 400,000	$ 100,000	◄ 80% Federal + 20% Non-Federal

2015 Statewide Transportation Improvement Program

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►SRTS - Safe Routes to School Program								
607920	Boston	MILTON - SAFE ROUTES TO SCHOOL (GLOVER ELEMENTARY)	6	TAP	$ 725,000	$ 580,000	$ 145,000	
607892	Boston	SOMERVILLE - SAFE ROUTES TO SCHOOL (HEALEY)	4	TAP	$ 700,000	$ 560,000	$ 140,000	
607776	Merrimack Valley	NORTH ANDOVER - SAFE ROUTES TO SCHOOL (NORTH ANDOVER MIDDLE)	4	TAP	$ 1,086,000	$ 868,800	$ 217,200	
607716	SE Mass	MANSFIELD - SAFE ROUTES TO SCHOOL (JORDON/JACKSON ELEMENTARY)	5	TAP	$ 900,000	$ 720,000	$ 180,000	
607453	Pioneer Valley	SOUTHAMPTON - SAFE ROUTES TO SCHOOL (NORRIS ELEMENTARY)	2	TAP	$ 800,000	$ 800,000	$ -	
	Statewide	SRTS - Education		SRTS	$ 863,268	$ 863,268	$ -	
	Statewide	SRTS - Planning & Design		SRTS	$ 600,000	$ 600,000	$ -	
				SRTS Subtotal ►	$ 5,674,268	$ 4,992,068	$ 682,200	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ 4,992,364		
					Difference	$ (296)		
					Constrained?	Yes		
►Statewide Transportation Enhancement Program								
603730	Pioneer Valley	WEST SPRINGFIELD- CONNECTICUT RIVERWALK & BIKEWAY EXTENSION, FROM ELM STREET TO DOTY CIRCLE, INCLUDES PEDESTRIAN BRIDGE W-21-020	2	STP-TE	$ 1,640,736	$ 1,312,589	$ 328,147	5.12 TEC Score 100% ($1,640,736)
605181	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	4	STP-TE	$ 458,334	$ 366,667	$ 91,667	AC YR 3 of 4. Total Project Cost = $77,236,601 = FY 2013, 2014, & 2015 Regional Major Infrastructure (CMAQ) & Statewide TE + FY 2016 Regional Major Infrastructure (CMAQ) + FY 2013 HPP #2434 (2005) + 2013 IM (2010 Discretionary)+ FY 2013
606503	Merrimack Valley	NEWBURYPORT- CLIPPER CITY RAIL TRAIL ALONG THE CITY BRANCH (PHASE II)	4	STP-TE	$ 3,120,000	$ 2,496,000	$ 624,000	(Construction) TEC = 5.75 (C)
606434	Central Mass	WORCESTER- MAIN STREET BUSINESS DISTRICT STREETSCAPE IMPROVEMENTS	3	STP-TE	$ 1,652,015	$ 1,321,612		HPP funds of $5,625,000 & Statewide TE of $1,652,015 = $6,977,015
606729	Southeastern Mass	TAUNTON- RECONSTRUCTION ON COUNTY STREET (ROUTE 140), FROM THE ROUTE 24 (SB OFF-RAMP) NORTHERLY TO MOZZONE BOULEVARD	5	STP-TE	$ 843,066	$ 674,453		STP funds of $1,560,000 & Statewide TE of $843,066 = $2,403,066
604531	Boston	ACTON- MAYNARD- ASSABET RIVER RAIL TRAIL	3	STP-TE	$ 533,104	$ 426,483	$ 106,621	$4,000,000 SW CMAQ + $533,104 statewide enhancements; **Programmed in FFY15 of the FFY14-17 TIP.** Also Assabet River Rail Trail is not part of the BSG itself, but connects to two BSG corridors: the Central Mass, and the Merrimack-Charles River. In addition, this rail trail connects to a path segment to the west that's already constructed (in Marlborough and Hudson), and to the east will connect to the S Acton MBTA commuter rail station, where we have already invested in both bicycle parking racks and lockers. **CIP has this project programmed in FY16 and 17 ($2,530,067 and $2,213,808)**
				Statewide TE Subtotal ►	$ 8,247,255	$ 6,597,804	$ 1,043,814	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 6,708,565		

2015 Statewide Transportation Improvement Program

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
					Difference	$ (110,761)		
					Constrained?	Yes		

2016 Statewide Transportation Improvement Program

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►SRTS - Safe Routes to School Program								
1529	Boston	SAUGUS - SAFE ROUTES TO SCHOOL (VETERANS MEMORIAL)	4	TAP	$ 676,000	$ 540,800	$ 135,200	YOE 4%
607242	Montachusett	FITCHBURG - SAFE ROUTES TO SCHOOL (SOUTH STREET ELEMENTARY)	3	TAP	$ 884,000	$ 707,200	$ 176,800	YOE 4%
1595	Boston	EVERETT - SAFE ROUTES TO SCHOOL (MADELAINE ENGLISH)	4	TAP	$ 624,000	$ 499,200	$ 124,800	YOE 4%
1596	Boston	REVERE - SAFE ROUTES TO SCHOOL (GARFIELD ELEMENTARY & MIDDLE SCHOOL)	4	TAP	$ 936,000	$ 748,800	$ 187,200	YOE 4%
1594	Boston	BEDFORD - SAFE ROUTES TO SCHOOL (JOHN GLENN MIDDLE)	4	TAP	$ 780,000	$ 624,000	$ 156,000	YOE 4%
N/A	Statewide	SRTS - Education		TAP	$ 904,283	$ 723,426	$ 180,857	
N/A	Statewide	SRTS - Planning & Design and selected schools		TAP	$ 800,000	$ 640,000	$ 160,000	
				SRTS Subtotal ►	$ 5,604,283	$ 4,483,426	$ 1,120,857	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ 4,651,829		
					Difference	$ (168,403)		
					Constrained?	Yes		
►Statewide Transportation Enhancement Program								
607254	Berkshire	NORTH ADAMS/ WILLIAMSTOWN - MOHAWK BIKE TRAIL PROJECT	1	STP-TE	$ 4,906,138	$ 3,924,910	$ 981,228	Construction; YOE 4%
606891	Berkshire	PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENSION	1	STP-TE	$ 299,999	$ 240,000	$ 60,000	Construction; YOE 4%; $300,000 STP-TE + $1,802,630 CMAQ=$2,102,630
				Statewide TE Subtotal ►	$ 5,206,137	$ 4,164,910	$ 981,228	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 4,355,954		
					Difference	$ (191,044)		
					Constrained?	Yes		

2017 Statewide Transportation Improvement Program

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►SRTS - Safe Routes to School Program								
	Southeastern	FALL RIVER - SAFE ROUTES TO SCHOOL (VIVEIROS ELEMENTARY)	5	TAP	$ 788,400	$ 630,720	$ 157,680	YOE 8%
	Merrimack Valley	LAWRENCE - SAFE ROUTES TO SCHOOL (BRUCE ELEMENTARY)	4	TAP	$ 756,000	$ 604,800	$ 151,200	YOE 8%
	Boston	WEYMOUTH - SAFE ROUTES TO SCHOOL (PINGREE ELEMENTARY)	6	TAP	$ 648,000	$ 518,400	$ 129,600	YOE 8%
	Boston	WATERTOWN - SAFE ROUTES TO SCHOOL (HOSMER ELEMENTARY)	6	TAP	$ 664,200	$ 531,360	$ 132,840	YOE 8%
TBD		SRTS Projects		TAP	$ 1,600,000	$ 1,280,000	$ 320,000	Projects TBD
N/A	Statewide	SRTS - Education	Statewide	TAP	$ 947,835	$ 758,268	$ 189,567	
N/A	Statewide	SRTS - Planning & Design and selected schools	Statewide	TAP	$ 800,000	$ 640,000	$ 160,000	
				SRTS Subtotal ►	$ 6,204,435	$ 4,963,548	$ 1,240,887	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ 5,000,000		
					Difference	$ (36,452)		
					Constrained?	Yes		

2018 Statewide Transportation Improvement Program

Safe Routes to Schools, Transportation Alternatives and Enhancements

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►SRTS - Safe Routes to School Program								
TBD		SRTS Projects		TAP	$ 4,300,000	$ 3,440,000	$ 860,000	Projects TBD
N/A	Statewide	SRTS - Education	Statewide	TAP	$ 992,857	$ 794,286	$ 198,571	
N/A	Statewide	SRTS - Planning & Design and selected schools	Statewide	TAP	$ 800,000	$ 640,000	$ 160,000	
				SRTS Subtotal ►	$ 6,092,857	$ 4,874,286	$ 1,218,571	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ 5,000,000		
					Difference	$ (125,714)		
					Constrained?	Yes		

2015 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Infrastructure Program								
607700	MAPC	DISTRICT 4- HIGHWAY LIGHTING BRANCH CIRCUIT RE-CABLING FROM SIX (6) LIGHTING LOAD CENTERS ALONG ROUTE I-95 (128) LEXINGTON-WOBURN	4	STP - Flex	$ 2,500,000	$ 2,000,000	$ 500,000	
				Statewide Infrastructure Subtotal ►	$ 2,500,000	$ 2,000,000	$ 500,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 2,000,000		
					Difference	$ -		
					Constrained?	Yes		

2016 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Infrastructure Program								
603917	MAPC	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	4	STP-Flex	$ 15,000,000	$ 12,000,000	$ 3,000,000	AC Year 1 of 2. See also, FFY2017 = $2,500,000. Total TFPCC $17,500,000.
605733	MAPC	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	6	STP-Flex	$ 2,500,000	$ 2,000,000	$ 500,000	AC Year 1 of 3. See also, FFY 2017 = $4,500,000, FFY 2018 = $1,000,000. TFPCC = $8,250,000
				Statewide Infrastructure Subtotal ►	$ 17,500,000	$ 14,000,000	$ 3,500,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 14,000,000		
					Difference	$ -		
					Constrained?	Yes		

2017 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Infrastructure Program								
603917	MAPC	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	4	STP-Flex	$ 2,500,000	$ 2,000,000	$ 500,000	AC Year 2 of 2. See also, FFY2016 = $2,500,000 Total TFPCC $17,500,000.
605733	MAPC	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	6	STP-Flex	$ 4,500,000	$ 3,600,000	$ 900,000	AC Year 2 of 3. See also, FFY 2016 = $2,500,000, FFY 2018 = $1,000,000. TFPCC = $8,250,000
				Statewide Infrastructure Subtotal ►	$ 7,000,000	$ 5,600,000	$ 1,400,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 5,600,000		
					Difference	$ -		
					Constrained?	Yes		

2018 Statewide Transportation Improvement Program

Infrastructure, Regional and Statewide

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►Statewide Infrastructure Program								
605733	MAPC	DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON	6	STP-Flex	$ 1,250,000	$ 1,000,000	$ 250,000	AC Year 3 of 3. See also, FFY2016 = $2,500,000, FFY2017 = $4,500,000. Total TFPCC $8,250,000.
606381	MAPC	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	4	STP-Flex	$ 5,750,000	$ 4,600,000	$ 1,150,000	
				Statewide Infrastructure Subtotal ►	$ 7,000,000	$ 5,600,000	$ 1,400,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 5,600,000		
					Difference	$ -		
					Constrained?	Yes		

2015 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1B / Federal Aid Bridge Projects								
►Off-System Bridges								
607121	Berkshire	SAVOY- BRIDGE REPLACEMENT, S-06-004, RIVER ROAD OVER THE WESTFIELD RIVER	1	STP-BR-OFF	$ 2,589,860	$ 2,071,888	$ 517,972	Year of Estimate 2014
604675	Central Mass	HOLDEN - BRIDGE REHABILITATION, H-18-020, RIVER STREET OVER QUINAPOXET RIVER	3	STP-BR-OFF	$ 4,806,620	$ 3,845,296	$ 961,324	Year of Estimate 2014
607117	Franklin	HAWLEY - BRIDGE REPLACEMENT, H-13-003, SAVOY ROAD OVER THE CHICKLEY RIVER	1	STP-BR-OFF	$ 2,692,422	$ 2,153,938	$ 538,484	Year of Estimate 2014
607114	Montachuset t	LANCASTER - FULL BRIDGE REPLACEMENT, L-02-018, JACKSON ROAD OVER ROUTE 2.	3	STP-BR-OFF	$ 3,432,000	$ 2,745,600	$ 686,400	AC Yr 2 of 2; Cost Est as of 4/23/13; Construction; Total Cost = $7,576,608; Bridge Off System; $4,144,608 programmed in FFY 2014
604838	Montachuset t	WINCHENDON - BRIDGE REPLACEMENT, W-39-001, HARRIS ROAD OVER TARBELL BROOK	2	STP-BR-OFF	$ 3,279,640	$ 2,623,712	$ 655,928	Year of Estimate 2014
607123	Northern Middlesex	CHELMSFORD-HUNT RD OVER I-495 (BR-OFF)	4	STP-BR-OFF	$ 10,404,940	$ 8,323,952	$ 2,080,988	Year of Estimate 2014
604589	SE Mass	NORTON- BRIDGE REPLACEMENT, N-23-017, PLAIN STREET OVER THE CANOE RIVER	5	STP-BR-OFF	$ 2,005,055	$ 1,604,044	$ 401,011	Year of Estimate 2014
606372	SE Mass	WAREHAM- BRIDGE REPLACEMENT, W-06-002, PAPER MILL ROAD OVER WEWEANTIC RIVER	5	STP-BR-OFF	$ 2,039,319	$ 1,631,455	$ 407,864	Year of Estimate 2014
				STP-BR-OFF Subtotal ►	$ 31,249,856	$ 24,999,885	$ 6,249,971	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 25,000,000		
					Difference	$ (115)		
►On System Bridges								
605299	Berkshire	GREAT BARRINGTON- BRIDGE REPLACEMENT, G-11-005, SR 183 (PARK STREET) OVER HOUSATONIC RIVER	1	NHPP	$ 5,904,802	$ 4,723,842	$ 1,180,960	
607273	Boston	FRANKLIN- BRIDGE DEMOLITION, F-08-005, OLD STATE ROUTE 140 OVER MBTA/CSX & NEW PEDESTRAIN BRIDGE CONSTRUCTION	3	NHPP	$ 1,780,272	$ 1,424,218	$ 356,054	
605883	Boston	DEDHAM- BRIDGE REPLACEMENT, D-05-003 (33K), NEEDHAM STREET OVER GREAT DITCH	6	NHPP	$ 3,029,032	$ 2,423,226	$ 605,806	
603008	Boston	WOBURN- BRIDGE REPLACEMENT, W-43-003, SALEM STREET OVER MBTA	4	NHPP	$ 5,018,477	$ 4,014,782	$ 1,003,695	
607338	Boston	GLOUCESTER- BRIDGE PRESERVATION, G-05-017, ROUTE 128 OVER ANNISQUAM RIVER (PHASE II)	4	NHPP	$ 8,800,000	$ 7,040,000	$ 1,760,000	AC Yr 2 of 2; Total Cost = $17,250,000
604796	Boston	DEDHAM- BRIDGE REPLACEMENT, D-05-033, PROVIDENCE HIGHWAY OVER MOTHER BROOK	6	NHPP	$ 5,009,550	$ 4,007,640	$ 1,001,910	AC Yr 2 of 2; Total Cost = $10,868,550
600867	Boston	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	NHPP	$ 1,600,000	$ 1,280,000	$ 320,000	AC Yr 1 of 3; Total Cost = $15,100,000
600703	Boston	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	4	NHPP	$ 14,886,555	$ 11,909,244	$ 2,977,311	AC Yr 3 of 4; Total Cost = $35,108,000

2015 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
605972	Central Mass	SOUTHBRIDGE - BRIDGE PRESERVATION, S-21-002, SR 131 (MAIN STREET) OVER QUINEBAUG RIVER	3	NHPP	$ 4,168,395	$ 3,334,716	$ 833,679	
606551	Franklin	COLRAIN- BRIDGE REPLACEMENT, C-18-028, ST 112 (JACKSONVILLE ROAD) OVER EAST BRANCH OF NORTH RIVER	1	NHPP	$ 10,604,205	$ 8,483,364	$ 2,120,841	Revised estimate 3/27/2014
604029	Martha's Vineyard	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	NHPP	$ 7,000,000	$ 5,600,000	$ 1,400,000	AC Yr 3 of 5, Total Cost =
603682	Merrimack Valley	AMESBURY- BRIDGE REPLACEMENT, A-07-026, ROUTE I-495 (NB & SB) OVER THE BIKEWAY (ABANDONED B&M RR LINE)	4	NHPP	$ 11,288,692	$ 9,030,954	$ 2,257,738	
602932	Northern Middlesex	LOWELL- BRIDGE REPLACEMENT, L-15-058, VFW HIGHWAY OVER BEAVER BROOK (BR-ON)	4	NHPP	$ 14,017,076	$ 11,213,661	$ 2,803,415	Revised estimate 3/27/2014
604537	Northern Middlesex	LOWELL-BRIDGE REPLACEMENT, L-15-045, MARKET STREET OVER THE WESTERN CANAL (BR-ON)	4	NHPP	$ 3,792,941	$ 3,034,353	$ 758,588	
605223	SE Mass	FALL RIVER- INTERCHANGE IMPROVEMENTS AT ROUTE I-195/ROUTE 79/ROUTE 138	5	NHPP	$ 6,600,000	$ 5,280,000	$ 1,320,000	This project was combined with 606354 for a total construction cost of $270,626,756.
				On System Bridge Subtotal ►	$ 103,499,997	$ 82,799,998	$ 20,699,999	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 82,800,000		
					Difference	$ (2)		
				Bridge Replacement Rehabilitation Program Subtotal ►	$ 134,749,853	$ 107,799,883	$ 26,949,971	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 107,800,000		
					Difference	$ (117)		
					Constrained?	Yes		
►Bridge Preservation								
607510	Sandisfield	SANDISFIELD- SYSTEMATIC BRIDGE MAINTENANCE, S-03-033, ROUTE 8 (S. MAIN ST.) OVER W. BRANCH FARMINGTON RIVER (PHASE II)	1	NHPP	$ 309,920	$ 247,936	$ 61,984	
607515	District 2	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2015)	2	NHPP	$ 1,849,536	$ 1,479,629	$ 369,907	
607505	District 4	SUB-STRUCTURE REPAIRS ON I-93 AND I-495 CORRIDOR BRIDGES IN DISTRICT 4	4	NHPP	$ 2,469,792	$ 1,975,834	$ 493,958	
607509	District 5	BRIDGE CLEANING ALONG I-495, RTE. 25, RTE. 6 AND RTE. 28	5	NHPP	$ 1,899,976	$ 1,519,981	$ 379,995	
607497	District 6	DISTRICT 6- SYSTEMATIC BRIDGE MAINTENANCE ON I-93/US-1/ST 3	6	NHPP	$ 1,863,701	$ 1,490,961	$ 372,740	
607518	Worcester	WORCESTER-FEDERAL AID SYSTEMATIC MAINTENANCE; BRIDGE JOINTS, DECK REPAIRS, PRESSURE WASHING AND RELATED WORK; I 190 OVER RT. 12 AND RAMP B; BRIDGE NO. W-44-124 (1XF) NORTHBOUND	3	NHPP	$ 1,521,624	$ 1,217,299	$ 304,325	
				Bridge Preservation Program Subtotal ►	$ 9,914,549	$ 7,931,639	$ 1,982,910	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 8,000,000		
					Difference	$ (68,361)		
					Constrained?	Yes		

2015 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Bridge Inspection								
	Statewide	Bridge Inspection	Statewide	NHPP	$ 6,250,000	$ 5,000,000	$ 1,250,000	
					Fed Aid Target	$ 5,000,000		
					Difference	$ -		
					Constrained?	Yes		
		Section 1B - Federal Aid Bridge Projects Subtotal ►			$ 150,914,402	$ 120,731,522	$ 30,182,880	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 120,800,000		
					Difference	$ (68,478)		
					Constrained?	Yes		

2016 Statewide Transportation Improvement Program

Federal Aid Bridge Program

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

2016 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1B / Federal Aid Bridge Projects								
►Off-System Bridges								
605314	Berkshire	NEW MARLBOROUGH- BRIDGE REPLACEMENT, HADSELL ST ROAD OVER THE UMPACHENE RIVER	1	STP-BR-OFF	$ 2,693,454	$ 2,154,763	$ 538,691	Year of Estimate 2014; Inflation = 4%
607116	Berkshire	FLORIDA- BRIDGE REPLACEMENT, F-05-002, SOUTH COUNTY ROAD OVER THE COLD RIVER	1	STP-BR-OFF	$ 2,921,400	$ 2,337,120	$ 584,280	Year of Estimate 2014; Inflation = 4%
603778	Berkshire	LANESBOROUGH- BRIDGE REPLACEMENT, L-03-024, NARRAGANSETT AVENUE OVER PONTOOSUC LAKE	1	STP-BR-OFF	$ 2,037,420	$ 1,629,936	$ 407,484	Year of Estimate 2014; Inflation = 4%
607345	Boston	COHASSET- SUPERSTRUCTURE REPLACEMENT & SUBSTRUCTURE REHABILITATION, C-17-002, ATLANTIC AVENUE OVER LITTLE HARBOR INLET	5	STP-BR-OFF	$ 6,416,550	$ 5,133,240	$ 1,283,310	Year of Estimate 2014; Inflation = 4%
607113	Central Mass	DUDLEY - BRIDGE REPLACEMENT, D-12-009, CARPENTER ROAD OVER ABANDONED RR	3	STP-BR-OFF	$ 2,305,800	$ 1,844,640	$ 461,160	Year of Estimate 2014; Inflation = 4%
604468	Central Mass	WEST BROOKFIELD - BRIDGE REPLACEMENT, W-19-008, WICKABOAG VALLEY ROAD OVER SUCKER BROOK	2	STP-BR-OFF	$ 2,376,648	$ 1,901,318	$ 475,330	Year of Estimate 2014; Inflation = 4%
606303	Central Mass	RUTLAND - BRIDGE SUPERSTRUCTURE REPLACEMENT, R-14-004, INTERVALE ROAD OVER EAST BRANCH OF WARE RIVER	3	STP-BR-OFF	$ 1,814,400	$ 1,451,520	$ 362,880	Year of Estimate 2014; Inflation = 4%
602320	Franklin	DEERFIELD- BRIDGE PRESERVATION, D-06-023, MCCLELLAN FARM ROAD OVER THE B&M RAILROAD	2	STP-BR-OFF	$ 6,477,190	$ 5,181,752	$ 1,295,438	Year of Estimate 2014; Inflation = 4%
607118	Franklin	HEATH - BRIDGE REPLACEMENT, H-14-009, SADOGA ROAD OVER THE BURRINGTON BROOK	1	STP-BR-OFF	$ 1,684,800	$ 1,347,840	$ 336,960	Year of Estimate 2014; Inflation = 4%
604626	Pioneer Valley	BELCHERTOWN- WARREN- BRIDGE DEMOLITION, B-05-023, W-07-012, OLD BOSTON POST ROAD (EAST MAIN STREET/NAULTAUG BROOK)	2	STP-BR-OFF	$ 2,477,738	$ 1,982,190	$ 495,548	Year of Estimate 2014; Inflation = 4%
607537	SE Mass	FALL RIVER- BRIDGE WORK, AIRPORT ROAD OVER ROUTE 24	5	STP-BR-OFF	$ 4,364,720	$ 3,491,776	$ 872,944	Year of Estimate 2014; Inflation = 4%
			Off System Bridge Subtotal ►		$ 35,570,120	$ 28,456,096	$ 7,114,024	◄ 80% Federal + 20% Non-Federal
				Fed Aid Target		$ 28,456,838		
				Difference		$ (742)		
►On System Bridges								
604173	Boston	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	$ 5,000,000	$ 4,000,000	$ 1,000,000	AC Yr 1 of 5; Total Cost = $85,000,000 ($58,000,000 programmed within FFYs 2015-18 TIP)
607685	Boston	BRAINTREE- BRIDGE REHABILITATION, B-21-060 AND B-21-061, ST 3 (SB) AND ST 3 (nb) OVER RAMP C (QUINCY ADAMS)	6	NHPP	$ 6,668,480	$ 5,334,784	$ 1,333,696	Year of Estimate 2014; Inflation = 4%
606553	Boston	HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET)	6	NHPP	$ 8,554,209	$ 6,843,367	$ 1,710,842	AC Yr 1 of 2: Total Cost =$11,434,190

2016 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
600867	Boston	BOSTON- BRIDGE REHABILITATION, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	NHPP	$ 12,500,000	$ 10,000,000	$ 2,500,000	AC Yr 2 of 3; Total Cost = $15,100,000
600703	Boston	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	4	NHPP	$ 5,108,000	$ 4,086,400	$ 1,021,600	AC Yr 4 of 4; Total Cost = $35,108,000
604029	Martha's Vineyard	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	NHPP	$ 15,447,468	$ 12,357,974	$ 3,089,494	AC Yr 4 of 5:
605223	SE Mass	FALL RIVER- INTERCHANGE IMPROVEMENTS AT ROUTE I-195/ROUTE 79/ROUTE 138	5	NHPP	$ 1,598,263	$ 1,278,610	$ 319,653	This project was combined with 606354 for a total construction cost of $270,626,756.
				On System Bridge Subtotal ►	$ 54,876,420	$ 43,901,136	$ 10,975,284	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 43,901,136		
					Difference	$ -		
				Bridge Replacement Rehabilitation Program Subtotal ►	$ 90,446,540	$ 72,357,232	$ 18,089,308	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 72,357,974		
					Difference	$ (742)		
					Constrained?	Yes		
607511	Berkshire	DALTON- SYSTEMATIC BRIDGE MAINTENANCE, D-01-005, ROUTE 8 (MAIN ST.) OVER EAST BRANCH HOUSATONIC RIVER	1	NHPP	$ 309,960	$ 247,968	$ 61,992	
607506	Northern Middlesex	CHELMSFORD - BRIDGE DECK REPLACEMENT BRIDGE NO. C-08-037 (2K7), ST 4 NORTH STREET OVER I-495	4	NHPP	$ 2,469,917	$ 1,975,933	$ 493,983	
607513	District 5	BRIDGE CLEANING ALONG THE I-95 AND I-195 CORRIDOR	5	NHPP	$ 1,899,989	$ 1,519,991	$ 379,998	
607498	District 6	DISTRICT 6- SYSTEMATIC BRIDGE MAINTENANCE ON SR 3 FOR (2016)	6	NHPP	$ 1,882,958	$ 1,506,367	$ 376,592	
607516	District 2	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2016)	2	NHPP	$ 1,849,978	$ 1,479,982	$ 369,996	
607519	Central Mass	WORCESTER-FEDERAL AID SYSTEMATIC MAINTENANCE; BRIDGE JOINTS; DECK REPAIRS; PRESSURE WASHING AND RELATED WORK; I90 OVER RT. 12 NB AND RAMP B; BRIDGE NO. W-44-124 (1XG)	3	NHPP	$ 1,519,992	$ 1,215,994	$ 303,998	
				Bridge Preservation Program Subtotal ►	$ 9,932,794	$ 7,946,235	$ 1,986,559	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 8,000,000		
					Difference	$ (53,765)		
					Constrained?	Yes		
►Bridge Inspection								
	Statewide	Bridge Inspection	Statewide	NHPP	$ 6,250,000	$ 5,000,000	$ 1,250,000	
					Fed Aid Target	$ 5,000,000		
					Difference	$ -		
					Constrained?	Yes		

2016 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
		Section 1B - Federal Aid Bridge Projects Subtotal ►			$ 106,629,334	$ 85,303,467	$ 21,325,867	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 85,357,974		
					Difference	$ (54,507)		
					Constrained?	Yes		

2017 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1B / Federal Aid Bridge Projects								
►Off-System Bridges								
607550	Berkshire	LEE- BRIDGE REPLACEMENT, CHAPEL ST OVER THE GREENWATER BROOK	1	STP-BR-OFF	$ 2,053,000	$ 1,642,400	$ 410,600	Year of Estimate 2014; Inflation = 8%
607551	Berkshire	LEE- BRIDGE REPLACEMENT, VALLEY ST OVER THE HOUSATONIC RIVER	1	STP-BR-OFF	$ 4,817,680	$ 3,854,144	$ 963,536	Year of Estimate 2014; Inflation = 8%
607135	Central Mass	WORCESTER - DECK REPLACEMENT AND PAINTING, W-44-083, HARRISON STREET OVER I-290	3	STP-BR-OFF	$ 5,454,680	$ 4,363,744	$ 1,090,936	Year of Estimate 2014; Inflation = 8%
607548	Franklin	SHELBURNE - BRIDGE REPLACEMENT S-11-006, BARDWELL FERRY ROAD OVER DRAGON BROOK	1	STP-BR-OFF	$ 2,371,600	$ 1,897,280	$ 474,320	Year of Estimate 2014; Inflation = 8%
607584	Franklin	COLRAIN - BRIDGE REPLACEMENT C-18-020, HEATH ROAD OVER WEST BRANCH NORTH RIVER	1	STP-BR-OFF	$ 2,655,800	$ 2,124,640	$ 531,160	Year of Estimate 2014; Inflation = 8%
607527	Franklin	ORANGE - BRIDGE REPLACEMENT O-03-009, HOLTSHIRE ROAD OVER MILLERS RIVER	2	STP-BR-OFF	$ 3,737,720	$ 2,990,176	$ 747,544	Year of Estimate 2014; Inflation = 8%
607127	Montachusett	HUBBARDSTON - BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	3	STP-BR-OFF	$ 1,726,760	$ 1,381,408	$ 345,352	Year of Estimate 2014; Inflation = 8%
607529	Montachusett	WINCHENDON - BRIDGE REPAIR, N. ROYALSTON ROAD OVER WEST BRANCH OF MILLERS RIVER	2	STP-BR-OFF	$ 2,624,440	$ 2,099,552	$ 524,888	Year of Estimate 2014; Inflation = 8%
607528	Pioneer Valley	AMHERST - BRIDGE MILL STREET OVER MILL RIVER	2	STP-BR-OFF	$ 2,644,040	$ 2,115,232	$ 528,808	Year of Estimate 2014; Inflation = 8%
602564	SE Mass	CARVER- MIDDLEBOROUGH- BRIDGE REPLACEMENT, C-04-004=M-18-025, ROCHESTER ROAD OVER WEWEANTIC RIVER	5	NHPP	$ 3,835,720	$ 3,068,576	$ 767,144	Year of Estimate 2014; Inflation = 8%
607549	Pioneer Valley	CHESTERFIELD - IRELAND STREET OVER WEST BRANCH OF WESTFIELD RIVER	1	STP-BR-OFF	$ 3,649,520	$ 2,919,616	$ 729,904	Year of Estimate 2014; Inflation = 8%
				Off-System Bridges Subtotal ►	$ 35,570,960	$ 28,456,768	$ 7,114,192	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 28,456,838		
					Difference	$ (70)		

2017 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►On System Bridges								
604173	Boston	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	$ 23,000,000	$ 18,400,000	$ 4,600,000	AC Yr 2 of 5; Total Cost = $85,000,000 ($58,000,000 programmed within FFYs 2015-18 TIP)
607671	Franklin	HEATH- BRIDGE REPLACEMENT, H-14-001, SR 8A (JACKSONVILLE STREET) OVER MILL BROOK	1	NHPP	$ 1,901,880	$ 1,521,504	$ 380,376	Year of Estimate 2014; Inflation = 8%
607686	Berkshire	PITTSFIELD- BRIDGE REHABILITATION, P-10-032, US 20/US 7/SOUTH OVER WEST BRANCH OF THE HOUSATONIC RIVER	1	NHPP	$ 2,678,130	$ 2,142,504	$ 535,626	Year of Estimate 2014; Inflation = 8%
605384	Pioneer Valley	AGAWAM- WEST SPRINGFIELD- BRIDGE RECONSTRUCTION, A-05-002=W-21-014, ROUTE 147 OVER THE WESTFIELD RIVER & INTERSECTION & SIGNAL IMPROVEMENTS @ 3 LOCATIONS	2	NHPP	$ 14,757,120	$ 11,805,696	$ 2,951,424	Year of Estimate 2014; Inflation = 8%
605094	Montachuset t	FITCHBURG- BRIDGE REPLACEMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	3	NHPP	$ 5,439,420	$ 4,351,536	$ 1,087,884	Year of Estimate 2014; Inflation = 8%
605328	Southeaster n Mass	RAYNHAM- BRIDGE REPLACEMENT, R-02-013 (3PA), US 44 (CAPE HIGHWAY) OVER SR 24	5	NHPP	$ 22,213,170	$ 17,770,536	$ 4,442,634	Year of Estimate 2014; Inflation = 8%
	Boston	DANVERS - BRIDGE REPLACEMENT, D-03-018, ROUTE 128 OVER WATERS RIVER	4	NHPP	$ 8,949,150	$ 7,159,320	$ 1,789,830	Year of Estimate 2014; Inflation = 8%
606553	Boston	HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET)	6	NHPP	$ 2,879,981	$ 2,303,985	$ 575,996	Year of Estimate 2014; Inflation = 8%
600867	Boston	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	NHPP	$ 1,000,000	$ 800,000	$ 200,000	AC Yr 3 of 3; Total Cost = $15,100,000
604952	Boston	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP	$ 4,150,000	$ 3,320,000	$ 830,000	AC Yr 1 of 4; Total Cost = $45,000,000 ($20,400,000 programmed within FFYs 2015-18 TIP)
604029	Martha's Vineyard	OAK BLUFFS / TISBURY - BRIDGE REPLACEMENT: BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	NHPP	$ 1,632,532	$ 1,306,026	$ 326,506	AC YR 5 of 5
				On-System Bridges Subtotal ►	$ 88,601,383	$ 70,881,106	$ 17,720,277	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 70,881,548		
					Difference	$ (442)		
				Bridge Replacement Rehabilitation Program Subtotal ►	$ 124,172,343	$ 99,337,874	$ 24,834,469	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 99,338,386		
					Difference	$ (512)		
					Constrained?	Yes		
►Bridge Preservation								
607512	Berkshire	NORTH ADAMS- SYSTEMATIC BRIDGE MAINTENANCE, N-14-019, ROUTE 8A (HODGES CROSS RD.)OVER SOUTH BRANCH HOOSIC RIVER	1	NHPP	$ 309,994	$ 247,995	$ 61,999	

2017 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
607507	Boston	WAKEFIELD - BRIDGE DECK REPLACEMENT BRIDGE NO. W-01-021 (2MF), HOPKINS STREET OVER I-95 / ST 128	4	NHPP	$ 2,469,936	$ 1,975,949	$ 493,987	
607514	District 5	BRIDGE CLEANING ALONG THE RTE. 24 AND RTE. 3 CORRIDORS	5	NHPP	$ 1,899,990	$ 1,519,992	$ 379,998	
607499	District 6	DISTRICT 6- SYSTEMATIC BRIDGE MAINTENANCE ON SR 3	6	NHPP	$ 1,874,880	$ 1,499,904	$ 374,976	
607517	District 2	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2017)	2	NHPP	$ 1,849,963	$ 1,479,971	$ 369,993	
606075	Central Mass	OXFORD-STRUCTURAL STEEL CLEANING AND PAINTING AND OTHER RELATED WORK; BRIDGE NO. O-06-036 I-395 OVER DANA ROAD AND BRIDGE NO. O-06-037 I-395 SB OVER FEDERAL HILL ROAD	3	NHPP	$ 1,519,954	$ 1,215,963	$ 303,991	
				Bridge Preservation Program Subtotal ►	$ 9,924,717	$ 7,939,774	$ 1,984,943	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 8,000,000		
					Difference	$ (60,226)		
					Constrained?	Yes		
►Bridge Inspection								
	Statewide	Bridge Inspection	Statewide	NHPP	$ 6,250,000	$ 5,000,000	$ 1,250,000	
					Fed Aid Target	$ 5,000,000		
					Difference	$ -		
					Constrained?	Yes		
				Section 1B - Federal Aid Bridge Projects Subtotal ►	$ 140,347,060	$ 112,277,648	$ 28,069,412	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 112,338,386		
					Difference	$ (60,738)		
					Constrained?	Yes		

2018 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1B / Federal Aid Bridge Projects								
►Off-System Bridges								
606632	Boston	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	3	STP-BR-OFF	$ 12,727,339	$ 10,181,871	$ 2,545,468	Year of Estimate 2014; Inflation = 12%
607133	Boston	QUINCY- BRIDGE REPLACEMENT, ROBERTSON STREET OVER I-93/US 1/SR 3	6	STP-BR-OFF	$ 6,004,908	$ 4,803,926	$ 1,200,982	Year of Estimate 2014; Inflation = 12%
604655	Boston	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	5	STP-BR-OFF	$ 4,822,854	$ 3,858,283	$ 964,571	Year of Estimate 2014; Inflation = 12%
607533	Boston	WALTHAM- WOERD AVENUE OVER THE CHARLES RIVER	4	STP-BR-OFF	$ 2,873,360	$ 2,298,688	$ 574,672	Year of Estimate 2014; Inflation = 12%
606638	Central Mass	SUTTON - BRIDGE REPLACEMENT, S-33-005, BLACKSTONE STREET OVER BLACKSTONE RIVER	3	STP-BR-OFF	$ 5,544,448	$ 4,435,558	$ 1,108,890	Year of Estimate 2014; Inflation = 12%
607534	Northern Middlesex	TEWKSBURY - MILL STREET OVER THE SHAWSHEEN RIVER (BR-OFF)	4	STP-BR-OFF	$ 1,167,284	$ 933,827	$ 233,457	Year of Estimate 2014; Inflation = 12%
607740	Merrimack Valley	AMESBURY- BRIDGE REPLACEMENT, A-07-015, R STREET OVER BACK RIVER	4	STP-BR-OFF	$ 2,430,850	$ 1,944,680	$ 486,170	Year of Estimate 2014; Inflation = 12%
				Off-System Bridges Subtotal ►	$ 35,571,043	$ 28,456,834	$ 7,114,209	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 28,456,838		
					Difference	$ (4)		

2018 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►On System Bridges								
604173	Boston	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	$ 30,000,000	$ 24,000,000	$ 6,000,000	AC Yr 2 of 5; Total Cost = $85,000,000 ($58,000,000 programmed within FFYs 2015-18 TIP)
604952	Boston	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP	$ 16,250,000	$ 13,000,000	$ 3,250,000	AC Yr 2 of 4; Total Cost = $45,000,000 ($20,400,000 programmed within FFYs 2015-18 TIP)
605306	Merrimack Valley	HAVERHILL- SUBSTRUCTURE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP	$ 35,008,185	$ 28,006,548	$ 7,001,637	AC Yr 1 of 3; Total Cost = $56,428,400 ($35,008,185 programmed within FFY's 2015-18)
				On-System Bridges Subtotal ►	$ 81,258,185	$ 65,006,548	$ 16,251,637	◄ 80% Federal + 20% Non-Federal
				Fed Aid Target		$ 65,006,548		
				Difference		$ (0)		
				Bridge Replacement Rehabilitation Program Subtotal ►	$ 116,829,228	$ 93,463,382	$ 23,365,846	◄ 80% Federal + 20% Non-Federal
				Fed Aid Target		$ 93,463,386		
				Difference		$ (4)		
				Constrained?		Yes		
►Bridge Preservation								
607939		CUMMINGTON- BRIDGE MAINTENANCE, C-21-025, ROUTE 9 OVER THE WESTFIELD RIVER	1		$ 300,000	$ 240,000	$ 60,000	Year of Estimate 2014; Inflation = 11.5%
607959		DISTRICT 2 - SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	2		$ 1,624,800	$ 1,299,840	$ 324,960	Year of Estimate 2014; Inflation = 11.5%
607905		DISTRICT 3- BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	3		$ 1,350,000	$ 1,080,000	$ 270,000	Year of Estimate 2014; Inflation = 11.5%
607649		HAVERHILL-WOBURN-BRIDGE STEEL PAINTING, H-12-057(2RR&2RT) & W043-035 (2ME)	4		$ 2,160,000	$ 1,728,000	$ 432,000	Year of Estimate 2014; Inflation = 11.5%
607898		DISTRICT 5- BRIDGE CLEANING ALONG I-495, ROUTE 25, ROUTE 6 & ROUTE 28	5		$ 1,700,000	$ 1,360,000	$ 340,000	Year of Estimate 2014; Inflation = 11.5%
607915		NEWTON- WELLESLEY- WESTON- BRIDGE MAINTENANCE OF N-12-063, N-12-054, N-12-055 & N-12-056 ON I-95/ROUTE 128	6		$ 1,724,400	$ 1,379,520	$ 344,880	Year of Estimate 2014; Inflation = 11.5%
				Bridge Preservation Program Subtotal ►	$ 8,859,200	$ 7,087,360	$ 1,771,840	◄ 80% Federal + 20% Non-Federal
				Fed Aid Target		$ 8,000,000		
				Difference		$ (912,640)		
				Constrained?		Yes		
►Bridge Inspection								
	Statewide	Bridge Inspection	Statewide	NHPP	$ 6,250,000	$ 5,000,000	$ 1,250,000	
				Fed Aid Target		$ 5,000,000		
				Difference		$ -		
				Constrained?		Yes		
				Section 1B - Federal Aid Bridge Projects Subtotal ►	$ 131,938,428	$ 105,550,742	$ 26,387,686	◄ 80% Federal + 20% Non-Federal
				Fed Aid Target		$ 106,463,386		
				Difference		$ (912,644)		

2018 Statewide Transportation Improvement Program

Federal Aid Bridge Program

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
					Constrained?	Yes		

2015 Statewide Transportation Improvement Program

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►StatewideStormwater Program								
606999	Statewide	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	Statewide	STP-TE	$ 3,300,000	$ 2,640,000	$ 660,000	
607002	District 3	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	3	STP-TE	$ 1,500,000	$ 1,200,000	$ 300,000	
607003	District 4	DISTRICT 4- STORMWATER RETROFITS AT VARIOUS LOCATIONS	4	STP-TE	$ 1,250,000	$ 1,000,000	$ 250,000	
606997	District 6	DISTRICT 6- STORMWATER RETROFITS AT VARIOUS LOCATIONS	6	STP-TE	$ 1,200,000	$ 960,000	$ 240,000	
				Statewide Stormwater Subtotal ►	$ 7,250,000	$ 5,800,000	$ 1,450,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 5,800,000		
					Difference	$ -		
					Constrained?	Yes		
►Statewide ADA Retrofits Program								
		No Projects Programmed		STP-TE	$ -	$ -	$ -	
				STP-TE	$ -	$ -	$ -	
				Statewide ADA Subtotal ►	$ -	$ -	$ -	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ -		
					Difference	$ -		
					Constrained?	Yes		

2016 Statewide Transportation Improvement Program

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►StatewideStormwater Program								
607004	Statewide	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	Statewide	STP-Flex	$ 1,700,000	$ 1,360,000	$ 340,000	
607001	District 2	DISTRICT 2- STORMWATER RETROFITS AT VARIOUS LOCATIONS	2	STP-Flex	$ 1,500,000	$ 1,200,000	$ 300,000	
606996	District 5	DISTRICT 5- STORMWATER RETROFITS AT VARIOUS LOCATIONS	5	STP-Flex	$ 800,000	$ 640,000	$ 160,000	
606994	District 3	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	6	STP-Flex	$ 1,000,000	$ 800,000	$ 200,000	
				Statewide Stormwater Subtotal ►	$ 5,000,000	$ 4,000,000	$ 1,000,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 4,000,000		
					Difference	$ -		
					Constrained?	Yes		
►Statewide ADA Retrofits Program								
607035	District 1	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	1	STP-Flex	$ 340,000	$ 272,000	$ 68,000	
607036	District 2	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	2	STP-Flex	$ 740,000	$ 592,000	$ 148,000	
607038	District 3	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	3	STP-Flex	$ 1,280,000	$ 1,024,000	$ 256,000	
607042	District 6	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	6	STP-Flex	$ 1,640,000	$ 1,312,000	$ 328,000	
				Statewide ADA Subtotal ►	$ 4,000,000	$ 3,200,000	$ 800,000	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ 3,200,000		
					Difference	$ -		
					Constrained?	Yes		

2017 Statewide Transportation Improvement Program

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►StatewideStormwater Program								
TBD	Statewide	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	Statewide	STP-Flex	$ 1,800,000	$ 1,440,000	$ 360,000	
TBD	District 3	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	1	STP-Flex	$ 1,700,000	$ 1,360,000	$ 340,000	
606995	District 4	DISTRICT 4- STORMWATER RETROFITS AT VARIOUS LOCATIONS	2	STP-Flex	$ 1,500,000	$ 1,200,000	$ 300,000	
				Statewide Stormwater Subtotal ►	$ 5,000,000	$ 4,000,000	$ 1,000,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 4,000,000		
					Difference	$ -		
					Constrained?	Yes		
►Statewide ADA Retrofits Program								
607039	District 4	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	4	STP-Flex	$ 2,020,000	$ 1,616,000	$ 404,000	
607041	District 5	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	5	STP-Flex	$ 1,989,000	$ 1,591,200	$ 397,800	
				Statewide ADA Subtotal ►	$ 4,009,000	$ 3,207,200	$ 801,800	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ 3,200,000		
					Difference	$ 7,200		
					Constrained?	No		

2018 Statewide Transportation Improvement Program

Americans with Disabilities Act and Stormwater Programs

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►StatewideStormwater Program								
TBD	Statewide	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	Statewide	STP-Flex	$ 2,000,000	$ 1,600,000	$ 400,000	
TBD	District 3	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	1	STP-Flex	$ 1,500,000	$ 1,200,000	$ 300,000	
TBD	District 4	DISTRICT 4- STORMWATER RETROFITS AT VARIOUS LOCATIONS	2	STP-Flex	$ 1,500,000	$ 1,200,000	$ 300,000	
				Statewide Stormwater Subtotal ►	$ 5,000,000	$ 4,000,000	$ 1,000,000	◄ 80% Federal + 20% Non-Federal
					Fed Aid Target	$ 4,000,000		
					Difference	$ -		
					Constrained?	Yes		
►Statewide ADA Retrofits Program								
607039	District 4	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	4	STP-Flex	$ 2,020,000	$ 1,616,000	$ 404,000	
607041	District 5	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	5	STP-Flex	$ 1,989,000	$ 1,591,200	$ 397,800	
				Statewide ADA Subtotal ►	$ 4,009,000	$ 3,207,200	$ 801,800	◄ Funding Split Varies by Project Specifications
					Fed Aid Target	$ 3,200,000		
					Difference	$ 7,200		
					Constrained?	No		

2015 Statewide Transportation Improvement Program

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►IM - Interstate Maintenance								
605588	Central Mass	WORCESTER - INTERSTATE MAINTENANCE & RELATED WORK ON I-190 (NB)	3	NHPP	$ 14,910,480	$ 13,419,432	$ 1,491,048	
607181	Central Mass	NORTHBOROUGH-MARLBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-290	3	NHPP	$ 8,365,728	$ 7,529,155	$ 836,573	
606549	Merrimack Valley	GEORGETOWN- NEWBURY- WEST NEWBURY- NEWBURYPORT- AMESBURY- SALISBURY- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	4	NHPP	$ 21,240,000	$ 19,116,000	$ 2,124,000	
PENDING	Merrimack Valley	LAWRENCE - NORTH ANDOVER - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	4	NHPP	$ 7,788,000	$ 7,009,200	$ 778,800	
				IM Subtotal ►	$ 52,304,208	$ 47,073,787	$ 5,230,421	◄ 90% Federal + 10% Non-Federal
►NHS - National Highway System								
605887	Berkshire	SHEFFIELD - GREAT BARRINGTON - RESURFACING AND RELATED WORK ROUTE 7	1	NHPP	$ 6,641,040	$ 5,312,832	$ 1,328,208	Construction; YOE 4%
606544	Berkshire	LENOX- PITTSFIELD RESURFACING AND RELATED WORK ROUTE 7	1	NHPP	$ 3,422,162	$ 2,737,730	$ 684,432	Construction; YOE 4%
607174	Boston	CHELSEA- REVERE- RESURFACING & RELATED WORK ON ROUTE 1	4	NHPP	$ 8,633,824	$ 6,907,059	$ 1,726,765	High Friction Surfacing & Signange - Safety Funding Additional
PENDING	Boston	BEVERLY - RESURFACING & RELATED WORK ON ROUTE 128	4	NHPP	$ 5,805,600	$ 4,644,480	$ 1,161,120	
				NHS Subtotal ►	$ 24,502,626	$ 19,602,101	$ 4,900,525	◄ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts		
	IM + NHS	$ 66,675,888
	Fed Aid Target	$ 66,689,500
	Difference	$ (13,612)
	Constrained?	Yes

massDOT
Massachusetts Department of Transportation
Office of Transportation Planning

2016 Statewide Transportation Improvement Program

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►IM - Interstate Maintenance								
606577	Pioneer Valley	HATFIELD- WHATELY- INTERSTATE MAINTENANCE & RELATED WORK ON I-91	2	NHPP	$ 11,597,040	$ 10,437,336	$ 1,159,704	
607182	Pioneer Valley	GREENFIELD - BERNARDSTON - INTERSTATE MAINTENANCE & RELATED WORK ON I-91	2	NHPP	$ 2,796,543	$ 2,516,889	$ 279,654	
605592	Central Mass	STURBRIDGE - HOLLAND- INTERSTATE MAINTENANCE & RELATED WORK ON I-84	3	NHPP	$ 11,486,592	$ 10,337,933	$ 1,148,659	
606574	Merrimack Valley	ANDOVER- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-495	4	NHPP	$ 10,514,650	$ 9,463,185	$ 1,051,465	
606176	Boston	FOXBOROUGH-PLAINVILLE-WRENTHAM -INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	5	NHPP	$ 14,692,038	$ 13,222,834	$ 1,469,204	
				IM Subtotal ►	$ 51,086,863	$ 45,978,177	$ 5,108,686	◄ 90% Federal + 10% Non-Federal
►NHS - National Highway System								
607175		PLYMOUTH - RESURFACING AND RELATED WORK ON ROUTE 3	5	NHPP	$ 11,331,965	$ 9,065,572	$ 2,266,393	
607176	Central Mass	SHREWSBURY - WESTBOROUGH RESURFACING AND RELATED WORK ON ROUTE 9	3	NHPP	$ 11,859,906	$ 9,487,925	$ 2,371,981	
607473	Central Mass	SOUTHBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 9	3	NHPP	$ 3,504,883	$ 2,803,906	$ 700,977	
				NHSPP Subtotal ►	$ 26,696,754	$ 21,357,403	$ 5,339,351	◄ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts

IM + NHS	$ 67,335,580
Fed Aid Target	$ 67,350,000
Difference	$ (14,420)

2017 Statewide Transportation Improvement Program

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►IM - Interstate Maintenance								
607478		WHATELY - DEERFIELD - GREENFIELD - INTERSTATE RESURFACING & RELATED WORK ON i-91	2	NHPP	$ 9,955,613	$ 8,960,052	$ 995,561	
607479	Central Mass	SHREWSBURY - BOYLSTON - NORTHBORO - INT. MAINT. & RELATED WORK ON I-290	3	NHPP	$ 13,906,253	$ 12,515,628	$ 1,390,625	
606575	Montachusett	STERLING - LEOMINSTER - LANCASTER - ITNERSTATE RESURFACING AND RELATED WORK ON I-190	3	NHPP	$ 17,097,350	$ 15,387,615	$ 1,709,735	
607481	Boston	RANDOLPH-QUINCY-BRAINTREE - INTERSTATE RESURFACING & RELATED WORK ON I-93		NHPP	$ 12,055,824	$ 10,850,242	$ 1,205,582	
				IM Subtotal ►	$ 53,015,040	$ 47,713,536	$ 5,301,504	◄ 90% Federal + 10% Non-Federal
►NHS - National Highway System								
607475	Montachusett	WINCHENDON - RESURFACING & RELATED WORK ON ROUTE 12	2	NHPP	$ 1,951,425	$ 1,561,140	$ 390,285	
607474	Pioneer Valley	GRANBY / SOUTH HADLEY - RESURFACING AND RELATED WORK ON ROUTE 202	2	NHPP	$ 1,712,794	$ 1,370,235	$ 342,559	
607477	Boston	LYNNFIELD- PEABODY - RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	$ 6,490,417	$ 5,192,334	$ 1,298,083	
606179	Cape Cod	DENNIS - HARWICH - BREWSTER - ORLEANS - RESURFACING AND RELATED WORK ON RTE. 6	5	NHPP	$ 8,493,876	$ 6,795,101	$ 1,698,775	
607476	Merrimack Valley	METHUEN-RESURFACING AND RELATED WORK ON ROUTE 213	4	NHPP	$ 6,266,148	$ 5,012,918	$ 1,253,230	
				NHS Subtotal ►	$ 24,914,660	$ 19,931,728	$ 4,982,932	◄ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts		
	IM + NHS	$ 67,645,264
	Fed Aid Target	$ 67,650,000

2018 Statewide Transportation Improvement Program

Interstate Maintenance and National Highway System Preservation

MassDOT Project ID ▼	MPO ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
►Section 1D / Federal Aid Major & State Category Projects								
►IM - Interstate Maintenance								
607560	Pioneer Valley	CHICOPEE - HOLYOKE - INTERSTATE MAINTENANCE & RELATED WORK ON I-391	2	NHPP	$ 10,911,130	$ 9,820,017	$ 1,091,113	
607561	Merrimack Valley	ANDOVER - METHUEN- INTERSTATE MAINTENANCE & RELATED WORK ON I-91	4	NHPP	$ 10,942,848	$ 9,848,563	$ 1,094,285	
607562	Central Mass	WEBSTER - OXFORD -INTERSTATE MAINTENANCE, RESURFACING AND RELATED WORK ON I-391		NHPP	$ 8,028,720	$ 7,225,848	$ 802,872	Total project cost estimate $12,489,120
607563		WAREHAM - ROCHESTER - MIDDLEBORO - INTERSTATE MAINTENANCE & RELATED WORK ON I-495	5	NHPP	$ 12,743,938	$ 11,469,544	$ 1,274,394	25/75% ($13,334,000)
606546	Boston	FRANKLIN - INTERSTATE MAINTENANCE & RELATED WORK ON I-495		NHPP	$ 6,280,243	$ 5,652,219	$ 628,024	25/75% ($13,334,000)
607566		SEEKONK - REHOBOTH - INTERSTATE MAINTENANCE & RELATED WORK ON I-495	5	NHPP	$ 10,001,869	$ 9,001,682	$ 1,000,187	25/75% ($13,334,000)
				IM Subtotal ►	$ 58,908,748	$ 53,017,873	$ 5,890,875	◄ 90% Federal + 10% Non-Federal
►NHS - National Highway System								
PENDING	Boston	SAUGUS - RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	$ 10,620,378	$ 8,496,302	$ 2,124,076	CONSTRUCTION Total cost $8,417,977 ($7,787,520 NHPP + $630,457 HISP)
PENDING	Boston	MARSHFIELD - PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	$ 16,229,512	$ 12,983,610	$ 3,245,902	
PENDING	Boston	MARSHFIELD - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	$ 4,398,285	$ 3,518,628	$ 879,657	
				NHS Subtotal ►	$ 31,248,175	$ 24,998,540	$ 6,249,635	◄ 80% Federal + 20% Non-Federal

Fiscal Constraint Analysis performed using Federal Funds amounts		
	IM + NHS	$ 78,016,413
	Fed Aid Target	$ 78,020,000
	Difference	$ (3,587)
	Constrained?	Yes

Massachusetts Department of Transportation - Highway Division
Summary of Operating and Maintenance Expenditures
Cape Cod Region - Part 1: Non-Federal Aid
June 3, 2014

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

Program Group/Sub Group	Estimated SFY 2012 Expenditures	Estimated SFY 2013 Expenditures	Current SFY 2014 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	*n/a*
Bridge Replacement (Excluded)	n/a	n/a	*n/a*
Bridge Reconstruction/Rehab	$0	$0	$0
Drawbridge Maintenance	$0	$0	$0
Structures Maintenance	$1,817,159	$32,689	$116,578
02 - Bridge Painting			
Painting - Structural	$0	$0	$0
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Recon. - Added Capacity (Excluded)	*n/a*	*n/a*	*n/a*
New Construction (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Reconstr - Restr and Rehab	$0	$0	$0
Hwy Reconstr - No Added Capacity	$0	$0	$0
Hwy Reconstr - Minor Widening	$0	$0	$0
Hwy Reconstr - Major Widening	$0	$0	$0
04 - Roadway Resurfacing			
Resurfacing	$30,130	$0	$0
05 - Intersection & Safety			
Impact Attenuators	$0	$0	$0
Safety Improvements	$0	$0	$0
Traffic Signals	$0	$0	$0
06 - Signs & Lighting			
Lighting and Electrical	$0	$0	$0
Sign Installation / Upgrading	$0	$0	$0
Structural Signing	$0	$0	$0
07 - Guardrail			
Guard Rail and Fencing	$0	$0	$0
08 - Maintenance			
Catch Basin Cleaning	$0	$0	$0
Crack Sealing	$0	$0	$0
Landscape and Roadside Develop	$0	$0	$0
Mowing and Spraying	$0	$0	$0
Pavement Marking	$0	$0	$0
Sewer and Water	$0	$0	$0
Process/Recycle/Trnsprt Soils	$0	$0	$0
Contract Hwy Maint.	$0	$0	$0
09 - Facilities			
Chemical Storage Sheds	$0	$0	$0
Vertical Construction	$0	$0	$0
10 - Bikeways (Excluded)	*n/a*	*n/a*	*n/a*
11 - Other			
Demolition	$0	$0	$0
Drilling & Boring	$0	$0	$0
Highway Sweeping	$0	$0	$0
Intelligent Transportation System	$0	$0	$0
Marine Construction	$0	$0	$0
Miscellaneous / No prequal	$0	$0	$0
Reclamation	$0	$0	$0
Underground Tank Removal Replace	$0	$0	$0
Unknown	$0	$0	$0
Section I Total:	**$1,847,289**	**$32,689**	**$116,578**

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

12 - Snow and Ice Operations & Materials	*n/a*	*n/a*	*n/a*
13 - District Maintenance Payroll (Mowing, Litter Management, Sight Distance Clearing, Etc.)	*n/a*	*n/a*	*n/a*
Section II Total:	**$0**	**$0**	**$0**
Grand Total NFA:	$1,847,289	$32,689	$116,578

Massachusetts Department of Transportation - Highway Division
Summary of Operating and Maintenance Expenditures
Cape Cod Region - Part 2: Federal Aid
June 3, 2014

Section I - Federal Aid Maintenance Projects

Program Group/Sub Group	Estimated SFY 2012 Expenditures	Estimated SFY 2013 Expenditures	Current SFY 2014 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	*n/a*	*n/a*	*n/a*
Bridge Replacement (Excluded)	*n/a*	*n/a*	*n/a*
Bridge Reconstruction/Rehab	$106,610	$0	$0
Drawbridge Maintenance	$0	$0	$0
Structures Maintenance	$0	$0	$0
02 - Bridge Painting			
Painting - Structural	$0	$0	$0
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Recon - Added Capacity (Excluded)	*n/a*	*n/a*	*n/a*
New Construction (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Reconstr - Restr and Rehab	$348,100	$0	$0
Hwy Reconstr - No Added Capacity	$1,932,612	$852,541	$64,077
Hwy Reconstr - Minor Widening	$0	$1,359,906	$1,048,287
Hwy Reconstr - Major Widening	$0	$0	$0
04 - Roadway Resurfacing			
Resurfacing	$604,285	$3,366,970	$5,058,585
05 - Intersection & Safety			
Impact Attenuators	$0	$0	$0
Safety Improvements	$0	$154,332	$0
Traffic Signals	$956,477	$1,992,835	$103,381
06 - Signs & Lighting			
Lighting and Electrical	$0	$0	$3,494
Sign Installation / Upgrading	$0	$10,483	$0
Structural Signing	$0	$0	$0
07 - Guardrail			
Guard Rail and Fencing	$258,287	$14,314	$4,660
08 - Maintenance			
Catch Basin Cleaning	$0	$0	$0
Contract Highway Maintenance	$0	$0	$0
Crack Sealing	$0	$0	$0
Landscape and Roadside Develop	$230,504	$123,508	$34,577
Mowing and Spraying	$0	$0	$0
Pavement Marking	$0	$0	$0
Process/Recycle/Trnsport Soils	$0	$0	$0
Sewer and Water	$0	$0	$0
09 - Facilities			
Chemical Storage Sheds	$0	$0	$0
Vertical Construction	$71,289	$19,550	$0
10 - Bikeways (Excluded)	*n/a*	*n/a*	*n/a*
11 - Other			
Demolition	$0	$0	$0
Drilling & Boring	$0	$0	$0
Highway Sweeping	$0	$0	$0
Intelligent Transportation System	$752,741	$17,097	$937,924
Marine Construction	$0	$0	$0
Miscellaneous / No prequal	$0	$0	$0
Reclamation	$0	$0	$0
Underground Tank Removal Replace	$0	$0	$0
Unknown	$0	$0	$0
Section I Total:	**$5,260,904**	**$7,911,536**	**$7,254,984**

Section II - Federal Aid Highway Operations

ITS Operations - I-93 HOV Lane Operation and Towing	*n/a*	*n/a*	*n/a*
ITS Operations - Traffic Operations Center (South Boston)	*n/a*	*n/a*	*n/a*
Section II Total	**$0**	**$0**	**$0**

Grand Total Federal Aid: **$5,260,904** **$7,911,536** **$7,254,984**

Massachusetts Department of Transportation
Summary of Operating and Maintenance Expenditures
State Total - Part 1: Non-Federal Aid
June 3, 2014

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

Program Group/Sub Group	Estimated SFY 2012 Expenditures	Estimated SFY 2013 Expenditures	Current SFY 2014 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	*n/a*	*n/a*	*n/a*
Bridge Replacement (Excluded)	*n/a*	*n/a*	*n/a*
Bridge Reconstruction/Rehab	$35,298,212	$49,277,054	$24,751,221
Drawbridge Maintenance	$4,902,170	$9,762,345	$4,205,878
Structures Maintenance	$91,968,771	$65,376,829	$40,286,277
02 - Bridge Painting			
Painting - Structural	$297,793	$1,988,410	$1,062,157
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Recon. - Added Capacity (Excluded)	*n/a*	*n/a*	*n/a*
New Construction (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Reconstr - Restr and Rehab	$325,346	$3,262,714	$1,016,596
Hwy Reconstr - No Added Capacity	$43,007	$35,442	$731,993
Hwy Reconstr - Minor Widening	$41,476	$6,947	$55,822
Hwy Reconstr - Major Widening	$0	$47,992	$1,523,049
04 - Roadway Resurfacing			
Resurfacing	$13,039,092	$12,311,850	$8,246,266
05 - Intersection & Safety			
Impact Attenuators	$455,559	$343,745	$209,693
Safety Improvements	$170,384	$4,896	$0
Traffic Signals	$1,104,071	$2,673,645	$1,623,130
06 - Signs & Lighting			
Lighting and Electrical	$2,176,970	$1,277,590	$1,157,594
Sign Installation / Upgrading	$1,057,235	$632,242	$498,756
Structural Signing	$20,626	$301,908	$514,171
07 - Guardrail			
Guard Rail and Fencing	$1,754,539	$2,740,920	$1,968,174
08 - Maintenance			
Catch Basin Cleaning	$5,122,711	$5,020,329	$3,626,861
Contract Highway Maintenance	$8,101,163	$5,035,407	$2,610,585
Crack Sealing	$1,330,464	$526,601	$307,131
Landscape and Roadside Develop	$3,587,603	$4,064,397	$3,461,254
Mowing and Spraying	$124,980	$73,726	$374,749
Pavement Marking	$3,168,366	$4,044,288	$2,855,073
Process/Recycle/Trnsport Soils	$1,419	$1,148	$316,485
Sewer and Water	$75,066	$13,349	$24,939
09 - Facilities			
Chemical Storage Sheds	$1,599,785	$578,900	$574,980
Vertical Construction	$1,848,965	$7,124,346	$14,235,375
10 - Bikeways (Excluded)	*n/a*	*n/a*	*n/a*
11 - Other			
Demolition	$7,944	$2,282,970	$253,320
Drilling & Boring	$35,976	$25,313	$0
Highway Sweeping	$393,284	$570,558	$187,796
Intelligent Transportation System	$120,162	$961,221	$91,118
Marine Construction	$0	$0	$0
Miscellaneous / No prequal	$3,530,933	$3,593,025	$1,661,062
Reclamation	$0	$0	$0
Underground Tank Removal Replace	$243,871	$32,754	$0
Hazardous Waste Remediation	$1,886,858	$1,860,342	$53,415
Unknown	$0	$0	$0
Section I Total:	**$183,834,800**	**$185,853,203**	**$118,484,919**

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

12 - Snow and Ice Operations & Materials	$35,208,777	$92,067,574	$120,993,552
13 - District Maintenance Payroll (Mowing, Litter Management, Sight Distance Clearing, Etc.)	$15,905,275	$15,695,982	$13,114,040
Section II Total:	**$51,114,052**	**$107,763,556**	**$134,107,592**
Grand Total NFA:	$234,948,852	$293,616,759	$252,592,511

Massachusetts Department of Transportation
Summary of Operating and Maintenance Expenditures
State Total - Part 2: Federal Aid
June 3, 2014

Section I - Federal Aid Maintenance Projects

Program Group/Sub Group	Estimated SFY 2012 Expenditures	Estimated SFY 2013 Expenditures	Current SFY 2014 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	*n/a*	*n/a*	*n/a*
Bridge Replacement (Excluded)	*n/a*	*n/a*	*n/a*
Bridge Reconstruction/Rehab	$147,402,327	$117,251,049	$166,601,219
Drawbridge Maintenance	$0	$0	$0
Structures Maintenance	$30,386,361	$12,109,125	$8,690,568
02 - Bridge Painting			
Painting - Structural	$889,207	$74,931	$3,308,515
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Recon. - Added Capacity (Excluded)	*n/a*	*n/a*	*n/a*
New Construction (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Reconstr - Restr and Rehab	$37,617,312	$32,114,608	$18,095,063
Hwy Reconstr - No Added Capacity	$73,113,303	$38,999,446	$21,890,867
Hwy Reconstr - Minor Widening	$20,708,143	$15,246,722	$9,248,082
Hwy Reconstr - Major Widening	$61,255	$26,413	$156,926
04 - Roadway Resurfacing			
Resurfacing	$103,935,734	$88,343,165	$86,174,654
05 - Intersection & Safety			
Impact Attenuators	$0	$0	$0
Safety Improvements	$181,201	$171,570	$5,399
Traffic Signals	$8,546,803	$12,512,085	$4,429,895
06 - Signs & Lighting			
Lighting and Electrical	$2,181,205	$1,232,314	$1,749,698
Sign Installation / Upgrading	$1,346,214	$1,212,793	$1,633,074
Structural Signing	$6,983,127	$3,098,537	$5,250,709
07 - Guardrail			
Guard Rail and Fencing	$1,770,233	$1,644,324	$1,495,687
08 - Maintenance			
Catch Basin Cleaning	$0	$0	$0
Contract Highway Maintenance	$6,128,450	$4,151,018	$1,941,011
Crack Sealing	$0	$0	$0
Landscape and Roadside Develop	$7,006,957	$809,120	$54,447
Mowing and Spraying	$0	$0	$0
Pavement Marking	$204,718	$318,169	$133,236
Process/Recycle/Trnsport Soils	$0	$0	$0
Sewer and Water	$0	$0	$0
09 - Facilities			
Chemical Storage Sheds	$0	$0	$0
Vertical Construction	$110,663	$315,540	$12,062
10 - Bikeways (Excluded)	*n/a*	*n/a*	*n/a*
11 - Other			
Demolition	$948,492	$0	$0
Drilling & Boring	$0	$7,887	$0
Highway Sweeping	$0	$0	$0
Intelligent Transportation System	$6,902,315	$6,210,680	$4,266,094
Marine Construction	$477,131	$2,565,340	$2,476,795
Miscellaneous / No prequal	$2,285,222	$5,072,465	$413,722
Reclamation	$1,558,308	$146,028	$15,713
Underground Tank Removal Replace	$0	$0	$0
Unknown	$0	$0	$0
Section I Total:	**$460,744,680**	**$343,633,327**	**$338,043,437**

Section II - Federal Aid Highway Operations

ITS Operations - I-93 HOV Lane Operation and Towing	$550,000	$550,000	$550,000
ITS Operations - Traffic Operations Center (South Boston)	$600,000	$600,000	$600,000
Section II Total	$1,150,000	$1,150,000	$1,150,000

Grand Total Federal Aid:	**$461,894,680**	**$344,783,327**	**$339,193,437**

Massachusetts Department of Transportation - Highway Division
Summary of Operating and Maintenance Expenditures
Statewide Contracts - Part 1: Non-Federal Aid
June 3, 2014

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

Program Group/Sub Group	Estimated SFY 2012 Expenditures	Estimated SFY 2013 Expenditures	Current SFY 2014 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	*n/a*	*n/a*	
Bridge Replacement (Excluded)	*n/a*	*n/a*	
Bridge Reconstruction/Rehab	$0	$0	$0
Drawbridge Maintenance	$2,766,781	$2,605,807	$4,204,196
Structures Maintenance	$53,732,876	$35,499,934	$23,882,387
02 - Bridge Painting			
Painting - Structural	$25,016	$0	$331,287
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Recon. - Added Capacity (Excluded)	*n/a*	*n/a*	*n/a*
New Construction (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Reconstr - Restr and Rehab	$315,354	$2,162,734	$1,011,330
Hwy Reconstr - No Added Capacity	$0	$0	$0
Hwy Reconstr - Minor Widening	$0	$0	$0
Hwy Reconstr - Major Widening	$0	$0	$0
04 - Roadway Resurfacing			
Resurfacing	$12,833,688	$11,448,033	$7,820,510
05 - Intersection & Safety			
Impact Attenuators	$455,559	$343,745	$209,693
Safety Improvements	$0	$0	$0
Traffic Signals	$1,083,677	$2,673,645	$1,623,130
06 - Signs & Lighting			
Lighting and Electrical	$2,160,095	$1,276,874	$1,114,539
Sign Installation / Upgrading	$1,002,302	$609,383	$498,756
Structural Signing	$20,626	$301,908	$514,171
07 - Guardrail			
Guard Rail and Fencing	$1,754,539	$2,388,637	$1,968,174
08 - Maintenance			
Catch Basin Cleaning	$5,122,711	$5,020,329	$3,626,861
Crack Sealing	$7,991,339	$5,015,414	$2,610,585
Landscape and Roadside Develop	$1,330,464	$526,601	$307,131
Mowing and Spraying	$2,241,684	$4,063,711	$3,461,254
Pavement Marking	$124,980	$73,726	$374,749
Sewer and Water	$2,907,992	$3,942,801	$2,855,073
Process/Recycle/Trnsprt Soils	$1,419	$0	$0
Contract Hwy Maint.	$61,790	$13,349	$24,939
09 - Facilities			
Chemical Storage Sheds	$44,327	$551,735	$574,980
Vertical Construction	$1,781,464	$5,224,912	$3,171,470
10 - Bikeways (Excluded)	*n/a*	*n/a*	*n/a*
11 - Other			
Demolition	$0	$0	$0
Drilling & Boring	$35,976	$25,313	$0
Highway Sweeping	$393,284	$570,558	$187,796
Intelligent Transportation System	$120,162	$823,727	$86,025
Marine Construction	$0	$0	$0
Miscellaneous / No prequal	$1,714,197	$1,898,989	$1,304,765
Reclamation	$0	$0	$0
Underground Tank Removal Replace	$243,871	$32,754	$0
Hazardous Waste Remediation	$1,886,858	$1,860,342	$53,415
Unknown	$0	$0	$0
Section I Total:	**$102,153,032**	**$88,954,961**	**$61,817,216**

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

12 - Snow and Ice Operations & Materials	$35,208,777	$92,067,574	$120,993,552
13 - District Maintenance Payroll (Mowing, Litter Management, Sight Distance Clearing, Etc.)	$15,905,275	$15,695,982	$13,114,040
Section II Total:	**$51,114,052**	**$107,763,556**	**$134,107,592**
Grand Total NFA:	$153,267,084	$196,718,517	$195,924,807

Massachusetts Department of Transportation - Highway Division
Summary of Operating and Maintenance Expenditures
Statewide Contracts - Part 2: Federal Aid
June 3, 2014

Section I - Federal Aid Maintenance Projects

Program Group/Sub Group	Estimated SFY 2012 Expenditures	Estimated SFY 2013 Expenditures	Current SFY 2014 Expenditures to Date
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	*n/a*	*n/a*	
Bridge Replacement (Excluded)	*n/a*	*n/a*	
Bridge Reconstruction/Rehab	$0	$0	$0
Drawbridge Maintenance	$0	$0	$0
Structures Maintenance	$51,965	$788,063	$1,375,793
02 - Bridge Painting			
Painting - Structural	$0	$0	$0
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Recon. - Added Capacity (Excluded)	*n/a*	*n/a*	*n/a*
New Construction (Excluded)	*n/a*	*n/a*	*n/a*
Hwy Reconstr - Restr and Rehab	$0	$0	$182,417
Hwy Reconstr - No Added Capacity	$0	$0	$13,950
Hwy Reconstr - Minor Widening	$0	$0	$0
Hwy Reconstr - Major Widening	$0	$0	$0
04 - Roadway Resurfacing			
Resurfacing	$1,797,166	$1,160,946	$0
05 - Intersection & Safety			
Impact Attenuators	$0	$0	$0
Safety Improvements	$0	$0	$0
Traffic Signals	$12,885	$0	$0
06 - Signs & Lighting			
Lighting and Electrical	$0	$366,192	$1,733,882
Sign Installation / Upgrading	$5,945	$172,664	$4,885
Structural Signing	$0	$0	$0
07 - Guardrail			
Guard Rail and Fencing	$0	$0	$0
08 - Maintenance			
Catch Basin Cleaning	$0	$0	$0
Contract Highway Maintenance	$6,128,450	$4,151,018	$1,941,011
Crack Sealing	$0	$0	$0
Landscape and Roadside Develop	$5,208	$0	$0
Mowing and Spraying	$0	$0	$0
Pavement Marking	$204,718	$318,169	$133,236
Process/Recycle/Trnsport Soils	$0	$0	$0
Sewer and Water	$0	$0	$0
09 - Facilities			
Chemical Storage Sheds	$0	$0	$0
Vertical Construction	$694	$14,336	$871
10 - Bikeways (Excluded)	*n/a*	*n/a*	*n/a*
11 - Other			
Demolition	$0	$0	$0
Drilling & Boring	$0	$7,887	$0
Highway Sweeping	$0	$0	$0
Intelligent Transportation System	$4,112,107	$3,298,036	$2,378,028
Marine Construction	$0	$0	$0
Miscellaneous / No prequal	$43,661	$0	$9,706
Reclamation	$0	$0	$0
Underground Tank Removal Replace	$0	$0	$0
Unknown	$0	$0	$0
Section I Total:	**$12,362,798**	**$10,277,311**	**$7,773,778**

Section II - Federal Aid Highway Operations

ITS Operations - I-93 HOV Lane Operation and Towing	*n/a*	*n/a*	*n/a*
ITS Operations - Traffic Operations Center (South Boston)	*n/a*	*n/a*	*n/a*
Section II Total	**$0**	**$0**	**$0**

Grand Total Federal Aid:	**$12,362,798**	**$10,277,311**	**$7,773,778**

CAPE COD
COMMISSION

CAPE COD
COMMISSION

Appendix:
Comments on Public Draft

OFFICE OF THE TOWN ADMINISTRATOR

Phone (508) 430-7513
Fax (508) 432-5039

Christopher Clark, *Town Administrator*
Julie Quintero-Schulz, *Assistant Town Administrator*

732 MAIN STREET, HARWICH, MA

June 4, 2014

Ms. Patricia Leavenworth, Chief Engineer
Massachusetts Department of Transportation
10 Park Plaza
Boston, MA 02116

Dear Ms. Leavenworth,

The Town of Harwich has on the Transportation Improvement Program for FY 16 the Route 124 project. This project is still in the development phases. However, due to significant neighborhood opposition to the requirements of the Transportation Improvement Program, the Board of Selectmen voted 3 to 2 at their meeting on Monday, June 2, 2014 to no longer pursue the Transportation Improvement Program funding for this project.

The neighborhood opposition group also petitioned Town Meeting and voted to not pursue this funding. Route 124, from the junction of Route 6 to the Brewster town line, has numerous scenic qualities that the neighborhood would like to preserve, that due to TIP requirements will not be able to be retained.

The Town of Harwich sincerely appreciates the opportunity to participate in the Transportation Improvement Program and will seek other projects that will lend themselves better to the requirements of the program. We do greatly appreciate the State's understanding and our desire to work with our residents in a constructive manner.

Please advise me if you require any additional information to process this request.

Sincerely,

Christopher Clark
Town Administrator

CC: Mary Joe Perry Massachusetts Highway Department District 5
Joseph Magni, VHB
Lincoln Hooper, DPW Director
Board of Selectmen

From: leah.sirmin@dot.gov
Sent: Thursday, June 12, 2014 9:25 AM
To: Glenn Cannon
Cc: bryan.pounds@state.ma.us
Subject: Cape Cod UPWP & TIP

Glenn,

Below are comments on the draft FY15 UPWP and draft FY15-18 TIP. Please let me know if you have any questions or want to discuss.

UPWP:

- As previously discussed with staff, please ensure the Canal Area Study is included in the UPWP as an additional, non-PL funded effort.
- The link between Task 1.5 (RTP) and Task 2.2 (Performance Standards) is not evident. Performance measures are expected to be incorporated into the RTP update so please revise these task descriptions to incorporate this connection between the two activities.
- Task 3.3 (Falmouth Bike Plan): The Background section references an Exhibit A with a map of the study area, but there is none included. Also, the title for Task #5 says "Prepare Pedestrian/Bicycle Plan" but the rest of the task indicates the plan is bike only.
- I did not see any task focused on freight. Please highlight where freight is being directly incorporated into planning activities; for example, how will the results of the FY14 UPWP's Freight Usage and Analyses be used to further freight consideration in FY15 activities?

TIP:

- As previously discussed with staff, please ensure that system-level estimates of costs and revenues for operations and maintenance are incorporated in the financial plan.
- A number of the rows in the highway project listing cut off parts of the project description and/or additional information cells.
- The FY15 Earmark project (607571) is shown as 100% non-federal; earmark funds should be federal.
- In FY17, the Falmouth HSIP project shows 8% inflation while the Barnstable CMAQ/TAP project indicates 12% inflation was applied.

Thanks,

Leah Sirmin

Community Planner
Federal Highway Administration
Massachusetts Division
55 Broadway, 10th Floor
Cambridge, MA 02142

Deval L. Patrick, Governor
Richard A. Davey, Secretary & CEO

massDOT
Massachusetts Department of Transportation

June 23, 2014

Paul Niedzwiecki, Executive Director of Planning
Cape Cod Metropolitan Planning Organization
3225 Main Street
Barnstable, MA 02630

Dear Paul:

The Massachusetts Department of Transportation (MassDOT) Office of Transportation Planning (OTP) has reviewed the draft Federal Fiscal Year 2015 to 2018 Transportation Improvement Program (TIP) released by Cape Cod Metropolitan Planning Organization (CCMPO) on May 19, 2014. I would like to take this opportunity to provide feedback on the MPO's 3C planning process as it relates to the preparation of this document and to comment specifically on the contents of the draft document released for public review.

As required under the federal Moving Ahead for Progress in the 21st Century (MAP-21) legislation, MPOs must work with the State DOTs to develop performance targets that align with the state's performance goals. In 2014, the United States Department of Transportation (USDOT) published Notices of Proposed Rulemaking (NPRM's) for the Safety Performance Measures, and Highway Safety Improvement Program (HSIP) and most recently for the Statewide, Nonmetropolitan and Metropolitan Transportation Planning. While final rulemakings have not yet been issued, I encourage the MPOs to review the current NPRMs and to the extent possible integrate the anticipated performance metrics into the TIP process by documenting transportation investment decisions in a manner consistent with MAP-21 federal and state targets. The safety NPRMs stipulate the measurement of fatality and serious injury rates and, as currently defined; these safety targets would be applicable to all public roads regardless of ownership and functional classification. The MPO should be apprised of these NPRMs as they relate to the MPO's role and be afforded the opportunity to provide comments on the Planning NPRM by the deadline of September 2, 2014.

As entities receiving federal and state transportation funds for planning studies and capital projects in the Commonwealth, all MPOs must comply with the requirements of the Moving Ahead for progress in 21st Century (MAP-21) legislation, the Americans with Disabilities Act (ADA), the Clean Air Act, Executive Order 12898: Federal Actions to Address Environmental Justice in Minority and Low-Income populations, Title VI of the Civil Rights Act of 1964, and other state transportation laws. Therefore, I would like to take this opportunity to reiterate the importance of ensuring that the MPO process is accessible to all individuals, including members of Title VI, Environmental Justice (EJ), and Limited English Proficiency (LEP) communities, as this part of the process continues to be a major priority for the U.S. Department of Transportation and well as the Commonwealth.

Ten Park Plaza, Suite 4160, Boston, MA 02116
Tel: 857-368-4636, TTY: 857-368-0655
www.mass.gov/massdot

I encourage a continued emphasis on engaging these populations during the planning process and throughout all transportation planning-related efforts in accordance with the Region's public participation plan. Under these requirements, MPOs are the entities charged with ensuring public participation in the spending of federal funds, and therefore have a primary responsibility for outreach and civic engagement in the development of the TIP. MPOs should continue to strive towards implementing their adopted public participation plans in a way that meets the requirements and guiding principles of MassDOT's public participation plan, such as Promote Respect, Provide Proactive and Timely Opportunities for Involvement, Provide a Clear, Focused, and Predictable Process, Foster Diversity and Inclusiveness.

I commend the MPO for its efforts in holding MPO meetings on March 17, April 14 and May 19, 2014 to present the TIP development process and the scoring of projects, to propose the draft TIP, and to endorse the final TIP, respectively. I urge the MPO to ensure that the TIP and any subsequent amendments are fully accessible to members of the public as published and that all MPO meetings are held in a manner that fulfills MassDOT's Accessible Meeting Policy. In addition, I recommend that the MPO review and update its guidelines and standard practices if necessary, for developing the TIP and TIP amendments to ensure a transparent and open process. This process should include the posting of the TIP and TIP amendments in an accessible format on the MPO's website in advance of meeting to enable members of the public to participate and to provide feedback. Updating the TIP project lists whenever they are amended, and ensuring that the TIP project lists are labeled with the number and date of the latest amendment is recommended. We also recommend that the MPO review its website and update procedures to ensure that meeting notices, Title VI information and all MPO documents are readily accessible, easy to locate online and kept current throughout the fiscal year.

In response to MassDOT's policy goals resulting from initiatives such as GreenDOT and the Healthy Transportation Compact, MPOs must incorporate critical elements such as mode shift and sustainability into the region's planning process. MassDOT's GreenDOT initiative, designed in response to several state laws is driven by three primary goals: reduce GHG emissions, promote healthy transportation options of walking, biking, and taking public transit, and finally promote smart growth development. MPOs must continue to seek ways to incorporate these goals in the planning process and ultimately program projects in the TIP that focus on achieving these goals. MPOs should also monitor the work of the Project Selection Advisory Council which will conduct public hearings over the next several months. MassDOT hopes that the MPOs will provide thoughtful input and comments to the Council which will issue its recommendation to the Legislature, by December 31, 2014. The Council report will outline a set of uniform project selection criteria and a multi-modal prioritization formula to inform project selection in the Commonwealth.

Over the past several months, MassDOT has deployed updates to its custom-developed database for compiling the State Transportation Improvement Program (STIP). I would like to thank MPO staff for working with us through this process and for their efforts to utilize and improve upon the standardized TIP template. The MassDOT Office of Transportation Planning appreciates the suggestions and feedback received from each MPO staff. These suggestions have been implemented or will be considered for future iterations of the template with the goal of streamlining the development, approval and

amendment of the STIP. As part of the revisions to the TIP project tables, the funding categories have been aligned with MAP-21 programs. It is important that the format and the formulas of the TIP project tables are not modified as project listings are compiled or amended. Please continue to adhere to the new format in order to ensure accuracy and expediency in STIP development and amendment approvals. In preparing to endorse the 2015-2018 TIP, the MPO should bear in mind that the Congestion Mitigation and Air Quality Improvement (CMAQ) and Highway Safety Improvement Program (HSIP) components of the regional target are a minimum, and that MPO staffs should work with the proponents of regional target projects, OTP, and the Highway Division to leverage CMAQ and HSIP funds to the maximum extent possible within the overall regional target. Again, in preparing the final TIP project tables, please be sure not to make any unintentional changes to the template and the calculations of regional targets, minimums and maximums.

The MPO should also make every effort to program the full amount of their regional target for all TIP years. The closer the year, the more important full programming is. Given all of our transportation system's needs, and all of the deserving projects, I encourage each MPO to identify projects that will fully utilize available target funds in all of the TIP years. If the regional targets are not fully programmed, the MPO should work with the Highway Division districts and with the regional municipalities in a timely fashion to identify additional projects.

During this TIP development cycle, the MassDOT Rail and Transit Division has fully implemented its BlackCat GrantsPlus+ application for creating and managing the TIP transit project lists. This application is an Information Technology-based automated system where the MassDOT Rail and Transit Division, OTP, and the MPOs access a single project database to jointly review and amend transit projects throughout the fiscal year. The MassDOT Rail and Transit Division has recently updated the project descriptions to improve transparency for the TIP transit projects. In order to ensure that the most up to date transit project list is made available to the public, the MPO should include the most current TIP list from Grant Plus+ when sharing materials for public review. In addition, MassDOT Rail and Transit will work with Federal Transit Administration (FTA), MPO staff and OTP staff to formalize written procedures for transit project programming, amendments and adjustments using the Grants Plus+ tool and in accordance with state and federal requirements.

In addition to the preceding guidance, please note the following comments specific to the information contained in the MPO's DRAFT 2015-2018 TIP.

- Administrative Adjustment Process: Please incorporate a statement that the MPO needs to approve any administrative adjustment made to the TIP.

- Please ensure accessibility of the document.

- Project #607571 in FY 2015 under Section 1C "Earmarks" should be shown as 100% Federal Funds.

- The Route 124 (Harwich) project #606164 currently programmed in FY 2016 is no longer supported by the Town selectmen. MassDOT recommends the Route 28 (Dennis) Corridor and Streetscape project #606717 currently programmed in 2018 as a replacement.

- MassDOT recommends programming project #607405 Route 28 (Chatham) Main St., Depot Rd., Queen Anne Rd. and Crowell Rd., as well as project #607435 Route 28 (Barnstable) at Osterville-West Barnstable Rd. in FY 2018. These projects will replace the funding gap in FY2018 created by moving project #606717 to FY 2016.

- The FY 2015 Transit element of the TIP does not currently match the BlackCat application. Please ensure that all projects programmed in the FY 2015-2018 Development TIP match the BlackCat application prior to endorsement.

I commend the CCMPO members and staff for their hard work in creating an accessible and comprehensive document. I recognize the thorough, full and open public process that the MPO membership and staff fulfill, especially in respect to the preparation of certification documents such as the TIP. Please contact me at (857) 368-8838 or Bryan Pounds, MPO Liaison at (857) 368-8860 if you have further questions.

Sincerely,

Clinton Bench
Deputy Executive Director
Office of Transportation Planning

Cc: Pamela Stephenson, Division Administrator, Federal Highway Administration
Mary Beth Mello, Regional Administrator, Federal Transit Administration
Francis DePaola, MassDOT Highway Division Administrator
Mary-Joe Perry, MassDOT District 5 Highway Director
Clinton Bench, Deputy Executive Director, Office of Transportation Planning
Steve Woelfel, Director of Strategic Planning
Sheri Warrington, Manager of MPO Activities
Bryan Pounds, MPO Liaison

From: Stephen Buckley [mailto:sbuckley@igc.org]
Sent: Thursday, June 19, 2014 4:28 PM
To: Glenn Cannon
Cc: Lisa Dillon
Subject: Comments on Draft TIP (2014-2018) / Draft UPWP 2015

Dear Mr. Cannon,

I have reviewed the subject documents, along with related information on the Commission's website, and it has not been made clear whether any evaluation is planned, or has been done in the past, with respect to any of these projects' compliance with the MassDOT requirements for Public Participation and Planning, as prescribed in Chapter 2 of its "Project Development and Design Guide".

http://www.massdot.state.ma.us/highway/DoingBusinessWithUs/ManualsPublicationsForms/ProjectDevelopmentDesignGuide.aspx

Over the past year, it has become apparent that the "public support" for projects, such as Route 124 in Harwich, as well as Route 28 in West Chatham, has been misrepresented to the MPO. This may be the case in other projects, since there is apparently no compliance evaluation process by the MPO for checking on a project's public planning process.

Please take the necessary steps to correct this situation.

sincerely,

Stephen Buckley
15 Balfour Lane, Unit T
Chatham, MA 02633

In accordance with the Public Participation Process developed by the Cape Cod Metropolitan Planning Organization (MPO), Cape Cod Commission (CCC) is making the DRAFT FFY 2014-2017 Transportation Improvement Program (TIP) Amendment, DRAFT FFY 2015-2018 Transportation Improvement Program (TIP) and the DRAFT FFY 2015 Unified Planning Work Program (UPWP) available for public review and comment. The TIP serves as a prioritized listing of highway, bridge, and transit projects proposed for implementation during the next four (4) federal fiscal years. The UPWP describes all significant transportation planning activities planned on Cape Cod over the twelve (12) month period. Copies of these documents are available for review at the CCC Offices (8:30 a.m. to 4:00 p.m.), at http://www.capecodcommission.org/, and/or upon request.

A public meeting of the Cape Cod MPO advisory committee, the Cape Cod Joint Transportation Committee (JTC), is scheduled for June 13, 2014 at 8:30 AM.

Furthermore, a public meeting of the Cape Cod MPO is scheduled for June 23, 2014 at 1 PM to hear additional public comments and consider endorsement of these Programs.

Please contact Glenn Cannon at 508-362-3136 for further information.

Comments on this TIP Amendment, TIP, or UPWP may be sent via mail, hand delivered, by facsimile, or via e-mail, by COB on June 19, 2014, as follows:

Mailed or dropped off:
Cape Cod Commission Transportation Program
Glenn Cannon, Technical Services Director
3225 Main Street (Route 6A)
PO Box 226
Barnstable MA 02630-0226

Sent by facsimile to the attention **of Glenn Cannon, Technical Services Director, CCC: FAX: 508-362-3136**

CAPE COD COMMISSION

COMMENTS

This TIP comment period officially began after the Cape Cod Metropolitan Planning Organization (MPO) voted to release the Draft TIP for the public review/ comment period. The MPO is expected to consider TIP FFY 2015-2018 endorsement at their meeting in June 2014, in Barnstable.

Comments on this TIP may be sent via mail, hand delivered, by facsimile, or via e-mail, by noon on _____, as follows:

Mailed or dropped off:

Cape Cod Commission Transportation Program
Glenn Cannon, Technical Services Director
3225 Main Street (Route 6A)
PO Box 226
Barnstable MA 02630-0226

Sent by facsimile to the attention of **Glenn Cannon, Technical Services Director, CCC: FAX: 508-362-3136**

*Electronic mail "**email**"*—please put "**TIP**" in the subject line and send to: **gcannon@capecodcommission.org**

Comments / Questions received on this TIP:

CAPE COD
COMMISSION

CAPE COD COMMISSION

3225 MAIN STREET • P.O. BOX 226 • BARNSTABLE, MASSACHUSETTS 02630
(508) 362-3828 • Fax (508) 362-3136 • www.capecodcommission.org