



CAPE COD
COMMISSION

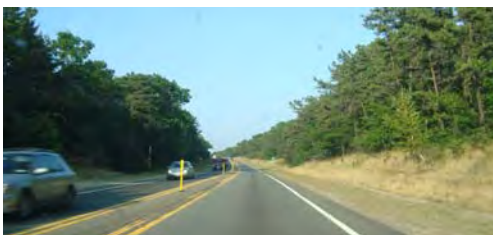
Cape Cod Metropolitan Planning Organization (MPO)

Cape Cod

Transportation Improvement Program (TIP)

Amendment

Federal Fiscal Years 2011–2014



Draft TIP Amendment
Public comments are
welcome through
April 29, 2011

March 28, 2011



CAPE COD
COMMISSION

CAPE COD METROPOLITAN PLANNING ORGANIZATION

Cape Cod Transportation Improvement Program (TIP)

TIP Amendment

Federal Fiscal Years 2011, 2012, 2013, and 2014
(October 1, 2010 – September 30, 2014)

October 28, 2010 – May 2, 2011

Prepared by the

Cape Cod Metropolitan Planning Organization

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and the

Cape Cod Joint Transportation Committee

George Allaire, Chairman, Yarmouth

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





CAPE COD
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Cape Cod Metropolitan Planning Organization
Cape Cod Transportation Improvement Program (TIP)
Amendment

ENDORSEMENT, TIP Amendment

The signatures to follow certify that the Cape Cod Metropolitan Planning Organization (MPO) hereby endorses the Cape Cod Transportation Improvement Program (TIP) Amendment for Federal Fiscal Years 2011-2014 in fulfillment of the requirements of 23 CFR Part 450.324.

CERTIFICATION

Air Quality Conformity

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

Whereas, the air quality conformity analysis prepared for the 2011 - 2014 Transportation Improvement Program also demonstrates air quality conformity of the Cape Cod 2007 Regional Transportation Plan, and that all regionally significant transportation projects in the 2011 - 2014 Transportation Improvement Program are contained in the 2007 Regional Transportation Plan, and that all regionally significant projects in the 2014 to 2030 timeframe of the Regional Transportation Plan are modeled in the 2011 - 2014 Transportation Improvement Program's air quality conformity analyses;

Whereas, the Cape Cod MPO has completed its review accordance with Section 176(c) (4) of the Clean Air Act as amended in 1990 [42 U.S.C. 7251 (a)], and hereby certifies the FFY 2011-2014 TIP is financially constrained and that implementation of the Cape Cod 2007 Regional Transportation Plan satisfies the conformity criteria specified in both 40 CFR Part 51 and 93 (8/15/1997) and 310 CMR 60.03 (12/30/1994). Based on the results of the conformity analyses, the Cape Cod 2007 Regional Transportation Plan and the TIP FFY 2011-2014 are consistent with the air quality goals of, and in conformity with, the Massachusetts State Implementation Plan;

Therefore, in accordance with 23 CFR Part 450 Section 322 (Development and content of the Metropolitan Transportation Plan) of the March 16, 2007 Final Rules for Statewide and Metropolitan Planning, the MPO hereby endorses the Cape Cod Transportation Improvement Program (TIP) for FFY 2011-2014.



The Eastern Massachusetts Non Attainment area air quality conformity determination, with the emissions estimates and regionally significant projects, is included in full as part of Section A.

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. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR Parts 27, 37, and 38;
8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.
11. Anti-lobbying restrictions found in 49 USC Part 20. No appropriated funds may be expended by a recipient to influence or attempt to influence an officer or employee of any agency, a Member of Congress, in connection with the awarding of any Federal contract.



CAPE COD
COMMISSION

The currently endorsed Unified Planning Work Program, Regional Transportation Plan, and the Cape Cod Transportation Improvement Program (TIP) for Federal Fiscal Years 2011-2014 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.

SIGNATORY CERTIFICATION:

Date: _____

Jeffrey B. Mullan, Secretary/ CEO
Massachusetts Department of
Transportation

Luisa Paiewonsky, Administrator
MassDOT Highway Division

John D. Harris, MPO Representative
Cape Cod Commission

Ronald J. Bergstrom, Chairman
Cape Cod Regional Transit Authority

William Doherty, MPO Representative
Barnstable County Commissioners

Frederick Chirigotis, Chairman
Barnstable Town Council

Wayne Taylor, Mashpee
Sub-Region A (Bourne, Falmouth,
Mashpee, Sandwich)

Lawrence P. Cole, Ph.D., Harwich
Sub-Region B (Brewster, Chatham,
Dennis, Harwich, Yarmouth)

Aimee Eckman, Eastham
Sub-Region C (Eastham, Orleans,
Provincetown, Truro, Wellfleet)



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Introduction

Federal legislation that contains requirements for transportation plans, programs and projects includes *Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users* (SAFETEA-LU) and 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). Figure 1 “Overview of the Transportation Planning Process” is a flow chart of the planning process.

A1. FEDERAL TRANSPORTATION LEGISLATION

Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)

The *Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users* (SAFETEA-LU) continues similar programs as were in the previous legislation, both the *Transportation Equity Act for the 21st Century* (TEA-21), enacted on June 9, 1998, and the *Intermodal Surface Transportation Efficiency Act of 1991* (ISTEA).

“SAFETEA-LU addresses the many challenges facing our transportation system today—challenges such as improving safety, reducing traffic congestion, improving efficiency in freight movement, increasing intermodal connectivity, and protecting the environment—as well as laying the groundwork for addressing future challenges. SAFETEA-LU promotes more efficient and effective Federal surface transportation programs by focusing on transportation issues of national significance, while giving State and local transportation decision makers more flexibility for solving transportation problems in their communities.” This excerpt quoted from: *SAFETEA-LU, A Summary of Highway Provisions*, Federal Highway Administration, Office of Legislation and Intergovernmental Affairs, Program Analysis Team, August 25, 2005. SAFETEA-LU expired on September 30, 2009, and continuing resolutions have kept programs moving forward while discussions continue on the next federal transportation legislation.

A2. AIR QUALITY CONFORMITY STATUS

A2a. Air Quality, Introduction and Background

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

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

The CAAA also required Metropolitan Planning Organizations (MPOs) within nonattainment areas to perform conformity determinations prior to the approval of their Regional Transportation Plans (RTPs) and Transportation Improvement Programs (TIPs). The most recent prior conformity determination occurred in the summer of 2007, when the Federal Highway Administration (FHWA) – in consultation with the Environmental Protection Agency (EPA New England) and the Massachusetts Department of Environmental Protection (DEP) – confirmed that all 13 of the RTPs for the year 2007 in Massachusetts were in conformity with the Massachusetts State Implementation Plan (SIP). A brief summary of major conformity milestones in recent years is as follows (more details are provided in the 2007 RTPs and related documents):

Between 2003 and 2006, several new conformity determinations were made that were triggered by various events, including: The 2003 regional transportation plans, a change in designation from the one-hour ozone standard to an eight-hour ozone standard, and various changes to regional TIPs that involved reprogramming transportation projects across analysis years.



In 2007, air quality analyses were conducted on behalf of all the 2007 Regional Transportation Plans (RTPs), the purposes of which were to evaluate the RTPs' air quality impacts on the SIP. Conformity determinations were performed to ensure that all regionally significant projects were included in the RTPs. The Massachusetts Department of Transportation found the emission levels from the 2007 Regional Transportation Plans to be in conformance with the SIP. Each MPO had certified (and continues to certify) that all activities outlined in its Plan and its TIP:

- will not cause or contribute to any new violation of any standard in any area;
- will not increase the frequency or severity of any existing violation of any standard in any area; and,
- will not delay the timely attainment of any standard or any required interim emission reductions or other milestones in any area.

On April 2, 2008, EPA found that the 2008 and 2009 motor vehicle emissions budgets in the January 31, 2008 Massachusetts 8-hour ozone State Implementation Plan revision were adequate for transportation conformity purposes. The submittal included 2008 and 2009 motor vehicle emission budgets for the Boston-Lawrence-Worcester (Eastern Massachusetts) and Springfield (Western Massachusetts) 8-hour ozone nonattainment areas. Massachusetts submitted these budgets as part of the 8-hour ozone attainment demonstration and reasonable further progress plan for both nonattainment areas, and as a result of EPA's adequacy finding, these budgets are required to be used for this and future conformity determinations.

Conformity Test

The conformity test is to show consistency with the emissions budgets set forth in the SIP, and to contribute to reductions in CO nonattainment areas. In addition, the format of the conformity test is determined by evolving regulations. These regulations set specific requirements for different time periods depending on the timeframe of the Commonwealth's SIP submittals to EPA. These periods are defined as follows:

Control Strategy Period: Once a control strategy SIP has been submitted to EPA, EPA has to make a positive adequacy determination of the mobile source emission budget before such budget can be used for conformity purposes. The conformity test in this period is consistency with the mobile source emission budget.

Maintenance Period is the period of time beginning when the Commonwealth submits and EPA approves a request for redesignation to



an attainment area, and lasting for 20 years. The conformity test in this period is consistency with the mobile source emission budget.

Horizon years for regional and state model analyses have been established following 40 CFR 93.106(a) of the Federal Conformity Regulations. The years for which the regional and state transportation models were run for emission estimates are shown below:

- 2007: Milestone Year – This year is now being used by the statewide travel demand model as the new base year for calculation of emission reductions of VOCs and NOx.
- 2017: Milestone Year and Analysis Year: This year is used to show conformity with the 2009 emission budgets for ozone precursors in eastern Massachusetts
- 2020: Analysis Year
- 2030: Horizon Year – last forecast year of the regional transportation plan

Changes in Project Design since the Last Conformity Determination Analysis

The Commonwealth requires that any change in project design from the previous conformity determination for the region is identified. Changes that have occurred since the last conformity determination in 2009 are as follows:

- The modeled base year has changed from 2000 to 2007.
- A new analysis year has been included in the conformity determination. An air quality analysis has been completed for 2017. This complies with the conformity guidelines for no more than ten years between analysis years (2007 base to 2017 analysis year).
- Emission factors have been developed for 2017 using Mobile 6.2 with inputs approved by DEP and EPA.
- New HPMS adjustment factors have been developed for the new 2007 base year.

As stated in EPA guidance, all areas of serious ozone and carbon monoxide nonattainment must use FHWA's Performance Monitoring System (HPMS) to



track daily vehicle-miles of travel (VMT) prior to attainment to ensure that the state is in line with commitments made in reaching attainment of the ambient air quality standards by the required attainment dates. MassDOT provided HPMS information to DEP. DEP used this information in setting mobile-source budgets for VOC, NO_x, and CO in all SIP revisions prior to 1997. DEP has since revised its VOC and NO_x budgets using transportation-demand model runs. However, the models must still be compared to HPMS data since HPMS remains the accepted tracking procedure as outlined in the regulations.

The conformity regulations require that all model-based VMT be compared with the HPMS VMT to ensure that the region is in line with VMT and emission projections made by DEP. An adjustment factor that compares the 2007 HPMS VMT to the 2007 transportation model VMT has been developed. This adjustment factor is then applied to all modeled VOC and NO_x emissions for the years 2017 through 2030 to ensure consistency with EPA-accepted procedures.

2007 HPMS 6,918,000 VMT =1.423 Adjustment factor for Cape Cod

2007 Modeled 4,861,037 VMT for VOC and NO_x

HPMS adjustment factors, calculated on a regional basis, are applied to the model output of future scenarios, and they change as base-year models are updated or improved, or as HPMS data is revised or updated.

The milestone and analysis year transportation model networks are composed of projects proposed in this 2011-2014 TIP. Projects in these networks consist of all in-place “regionally significant” projects that can reasonably be expected to be completed by a given analysis/horizon year with consideration of available funding commitments. This project group would include, but not be limited to, regionally significant projects where at least one of the following steps has occurred within the past three years:

- Comes from the first year of a previously conforming TIP,
- Completed the NEPA process, or
- Currently under construction or are undergoing right-of-way acquisition

The Commonwealth requires that any changes in project design from the previous conformity determination for the region be identified. The last conformity determination was performed on the 2007 Regional Transportation Plan.



A complete listing of future regionally significant projects for the entire Eastern Massachusetts Ozone Non-Attainment Area is provided below:

Regionally Significant Projects Included in the Transportation Models for the Eastern Massachusetts Ozone Non-Attainment Area

Analysis Year	Community	Project Description – Boston Region
2017	Bedford	Middlesex Turnpike Improvements Phase 3 – widening Plank St. to Manning Rd.
2017	Boston	East Boston Haul Road/Chelsea Truck Route (new grade separated roadway)
2017*	Boston	Fairmount Line Improvements, including new stations
2017*	Boston	Russia Wharf Ferry Terminal
2017	Boston Logan Airport	Consolidated Rental Car Facility (Boston Logan Airport)
2017	Canton	I-95 (NB)/Dedham Street Ramp/Dedham Street Corridor (new ramp with widening on Dedham St. from I-95 to University Ave.)
2017	Concord, Lincoln	Route 2/Crosby's Corner (grade separation)
2017	Hanover	Route 53 Final Phase (widening to 4 lanes between Rt 3 and Rt 123)
2017	Hudson	Route 85 (capacity improvements from Marlborough TL to Rt 62)
2017	Marshfield	Route 139 Widening (to 4 lanes between School St. and Furnace St.)
2017	Quincy	Quincy Center Concourse, Phase 2 (new roadway: Parking Way to Hancock St.)
2017	Revere	Wonderland Parking Garage
2017	Salem	Bridge Street (widening to 4 lanes between Flint and Washington St.)
2017*	Regionwide	1000 Additional Park and Ride Spaces
2017	Somerville	Assembly Square Orange Line Station
2017	Somerville	Assembly Square Roadways (new and reconfigured)
2017*	Somerville, Cambridge	Green Line Extension from Lechmere Station to College Avenue
2017	Weymouth, Hingham, Rockland	South Weymouth Naval Air Station Access Improvements
2017	Weymouth	Route 18 Improvements (widening between Rt 3 and Rt 139)
2017	Woburn	Montvale Avenue (widening between Central St. to east of Washington St.)
2020	Boston	Sullivan Square Improvements
2020	Braintree	Braintree Split - I-93/Route 3 Interchange
2020	Somerville, Medford	Green Line Extension from College Ave. to Mystic Valley Parkway (Route 16)
2020	Wilmington	Tri-Town Interchange (new "Lowell Junction" interchange on I-93 between Route 125 and Dascomb Rd.)
2020	Woburn	New Boston Street Bridge (reestablish connection over MBTA Lowell line)
2030	Boston	Rutherford Avenue (new 4 lane bypass road)
2030	Canton	I-95/I-93 Interchange (new direct connect ramps)
2030	Framingham	Route 126/135 Grade Separation



2030	Malden, Revere, Saugus	Route 1 (widening from 4 to 6 lanes between Copeland Circle and Rt. 99)
2030	Newton, Needham	Needham Street/Highland Avenue (includes widening Charles River Bridge)
2030	Reading, Woburn, Stoneham	I-93/I-95 Interchange (new direct connect ramps)
TBD*	Boston	Red Line/Blue Line Connector – Design Only
Analysis Year	Community	Project Description - Cape Cod Region
2020	Barnstable	Barnstable Airport Access
2020	Barnstable	Yarmouth Rd. /Rt 28 (widening to 4 lanes) with Hyannis Rotary improvements
2030	Bourne	Bourne Rotary Long-Term Improvements
2030	Bourne, Sandwich	Bourne-Sandwich Parkway (widening to 4 lanes)
Analysis Year	Community	Project Description - Central Massachusetts Region
2020	Charlton, Oxford	Route 20 Widening
2020	Auburn, Shrewsbury, Worcester	Route 20 Widening – selected locations
2020	Worcester	I-290 / Vernon St. / Kelley Square (new interchange and square realignment)
2030	Millbury, Sutton	Route 146 Improvements – add frontage roads to create limited access roadway between a new interchange (at Boston Rd.) and existing I-90 interchange
Analysis Year	Community	Project Description – Martha's Vineyard Region
n/a	n/a	None
Analysis Year	Community	Project Description – Merrimack Valley Region
2017	Amesbury	Route 110 from I-495 to I-95 (widen from 2 lanes to 4)
2017	Georgetown	Georgetown Industrial Park Access Road from Route 133
2017	Lawrence	I-495 over Merrimack River (widening and add new ramps)
2020	Andover	Burt Road extension – improve access to Route 125
2020	Andover	Tri-Town Interchange (new “Lowell Junction” interchange on I-93 between Route 125 and Dascomb Rd.) and I-93 widening to 4 lanes in each direction from new interchange/current “lane drop” area to I-495.
2020	Lawrence	Route 114 (widening from I-495 to Waverly Road)
2020	Methuen	Route 110/113 (Methuen Rotary – new interchange ramps at I-93)
2020	Newburyport, Amesbury	I-95 over Merrimack River (Whittier Bridge widening from 6 to 8 lanes)
2030	Andover, Methuen	I-93 – widening to 4 travel lanes in each direction from I-495 to NH line
2030	Newburyport	Hale Street Industrial Park access from I-95
Analysis Year	Community	Project Description – Montachusett Region
2017	Fitchburg	New Wachusett Commuter Rail Station
2020	Athol	New Interchange on Route 2 at South Athol Road

2020	Fitchburg, Leominster, Sterling	Routes 12 and 13 (various improvements to on and off ramps)
Analysis Year	Community	Project Description – Nantucket Region
n/a	n/a	None
Analysis Year	Community	Project Description – Northern Middlesex Region
2017	Billerica	Middlesex Turnpike Improvements Phase 3 – widening Plank St. to Manning Rd.
2020	Tewksbury	Tri-Town Interchange (new “Lowell Junction” interchange on I-93 between Route 125 and Dascomb Rd.)
Analysis Year	Community	Project Description – Old Colony Region
2020	Abington	Route 18 - Widening to 4 Lanes from Route 139 to Highland Place
2020	Brockton	Route 123 - Widen from Route 24 to Linwood Street
2030	Bridgewater n/a	Route 24 - Add Northbound Slip Ramp from Route 104 WB to Route 24 NB Northbound
2030	Brockton	Main Street, Warren Avenue, Spring Street, West Elm Street, Belmont Street - Reestablish Two-Way Circulation
2030	Kingston, Plymouth	Route 3 - Widening from 4 to 6 Lanes between Hingham and Rt 44
2030	Plymouth	Route 25 - Add New Interchange Before Exit 1 and connect to Bourne Road
2030	Plymouth	Route 3 - Add NB Off-ramp to Plimouth Plantation Hwy. and SB On/off Ramp to Camelot Dr.
2030	Plymouth	Route 3 - Add Northbound on-Ramp at Long Pond Road (Exit 5)
2030	West Bridgewater	Route 106 - Widening from 2 to 4 Lanes between Route 24 and Route 28
Analysis Year	Community	Project Description – Southeastern Massachusetts Region
2017	Fall River, Somerset	New Brightman Street Bridge - capacity improvements to 4 lane divided facility
2020	Dartmouth	Route 6 (Faunce Corner Rd) / I-195 Interchange - Bridge Widening to 5 Lanes
2020	Freetown	Route 24 - New Interchange (Exit 8 ½)
2020	Mansfield	Route 140 / I-495 New Southbound On-Ramp
2020	Middleborough	Route 44 - Widening from Rt 24 to Rt 58 and Remove Middleboro Rotary
2030	Fall River	Route 79/Davol Street (interchange improvements and new traffic circulation)
2030	New Bedford	Kings Highway - Corridor Widening
2030	Taunton	Route 24 / 140 - Interchange Reconstruction
2030	Taunton, Raynham	Route 24 - Widening from Route 140 to I-495

Note: * = Listed as SIP Commitment (State Implementation Plan)

Air Quality Conformity Analysis



Additional specific information regarding the analysis and modeling methods, latest planning assumptions, and consultation procedures are all detailed in the 2007 RTP and appendices. The emissions from the following MPOs have been combined to show conformity with the SIP for the Eastern Massachusetts Ozone Nonattainment Area:

- Cape Cod MPO
- Central Massachusetts MPO
- Merrimack Valley MPO
- Boston MPO
- Montachusett Region MPO
- Northern Middlesex MPO
- Old Colony MPO
- Southeastern Region MPO
- Martha's Vineyard Commission*
- Nantucket Planning and Economic Development Commission*

* These regions do not contain any official urbanized areas, but are considered to be MPOs for planning purposes.

Using the latest planning assumptions, the Massachusetts Department of Transportation, Office of Transportation Planning, estimated the emissions for VOC and NO_x for all areas and all MPOs through a combination of the statewide and selected regional travel demand models (and with assistance from MPO staff). The VOC mobile source emission budget for 2009 and beyond for the Eastern Massachusetts Nonattainment Area has been set at 63.50 tons per summer day and the 2009 (and beyond) mobile source budget for NO_x is 174.96 tons per summer day. As shown in Tables 1 and 2, the results of the air quality analysis demonstrate that the VOC and NO_x emissions from all Action scenarios are less than the VOC and NO_x emissions budgets for the Eastern Massachusetts Nonattainment Area:

TABLE 1: VOC Emissions Estimates for the Eastern Massachusetts Ozone Nonattainment Area (all emissions in tons per summer day)

Year	Cape Cod Action Emissions	Eastern MA Action Emissions	Budget	Difference (Action - Budget)
2007	n/a	86.558	n/a	n/a
2017	1.9125	41.389	63.50	-22.111
2020	1.8188	34.293	63.50	-29.207
2030	1.7255	32.157	63.50	-31.343



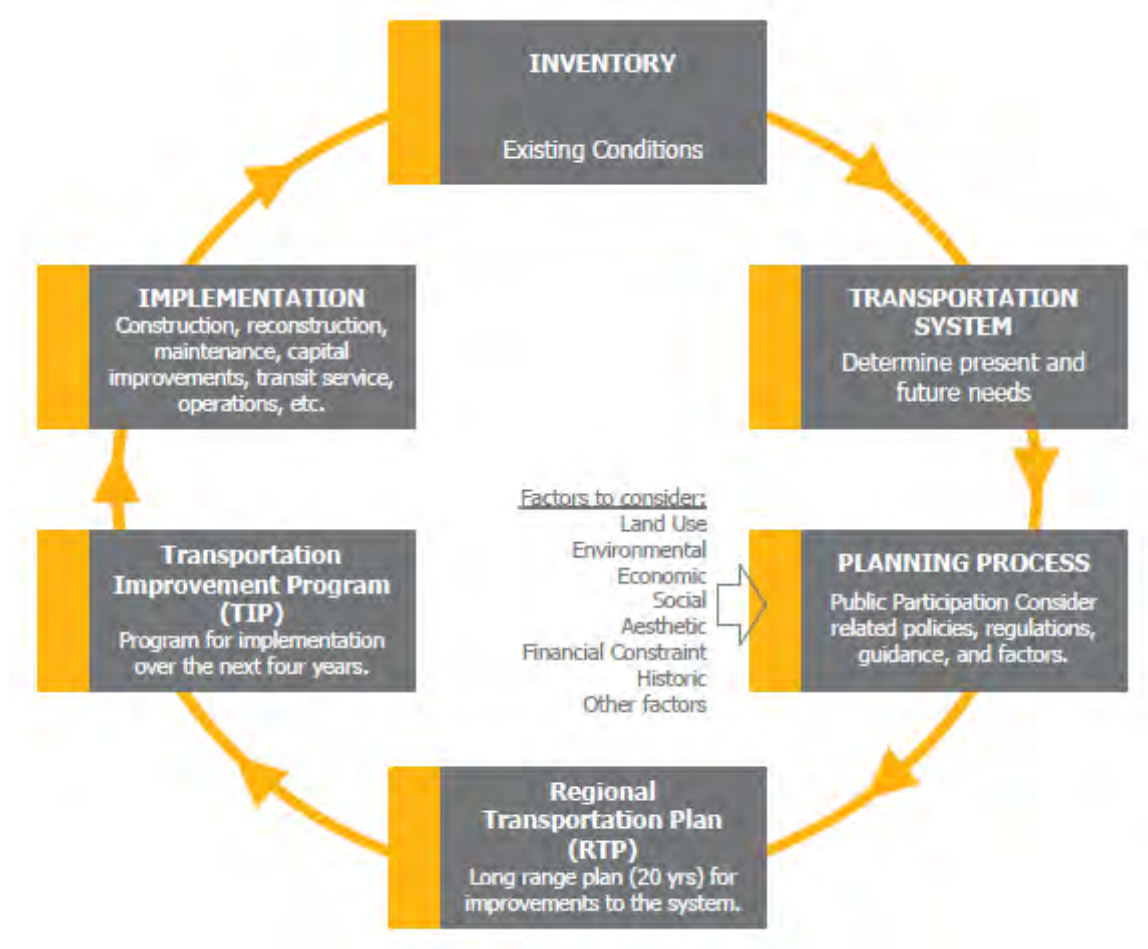
TABLE 2: NOx Emissions Estimates for the Eastern Massachusetts Ozone Nonattainment Area
(all emissions in tons per summer day)

Year	Cape Cod Action Emissions	Eastern MA Action Emissions	Budget	Difference (Action - Budget)
2007	n/a	234.850	n/a	n/a
2017	3.0142	66.418	174.96	-108.542
2020	2.3096	50.694	174.96	-124.266
2030	1.5343	34.259	174.96	-140.701

This conformity determination analysis has been prepared in accordance with EPA's final conformity regulations. The air quality analyses outlined in this document demonstrate that the implementation of the TIP satisfies the conformity criteria where applicable and is consistent with the air quality goals in the Massachusetts SIP. Specifically, the Cape Cod MPO has found the emission levels from this FY 2011-2014 TIP – in combination with the emission levels from the other MPOs in its nonattainment area – demonstrate conformity with the SIP. Therefore, the FFY 2011 - 2014 Transportation Improvement Program (TIP) is in conformity with the SIP where required.



FIGURE 1: OVERVIEW OF TRANSPORTATION PLANNING PROCESS



A3. 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.



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 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, Cape Cod Regional Transit Authority (CCRTA) Chairman, Barnstable County Commissioner Chairman, Barnstable Town Council Chairman, and three Selectmen representing three Cape Cod sub-regions, and/or their designees. 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 members of the MPO. 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 TIP s into the State Transportation Improvement Program (STIP), and approved by federal agencies in order for any federal aid transportation projects to proceed.

A4. 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 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 planning departments), a bicycle representative, as well as representatives of EOT, MHD, 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 and this year it was held in May 10, 2010. 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 Amendment was produced in accordance with the latest Public Participation Program (PPP) established for the Cape Cod Region. The Draft TIP Amendment is available online at the Web site: www.gocapecod.org/tip. Some of the meetings related to the development of the TIP for discussion and/or endorsement include:

<i>Date</i>	<i>Meeting</i>	<i>Location</i>
April 9, 2010	CCJTC Meeting	Barnstable
May 14, 2010	CCJTC Meeting	Barnstable
June 11, 2010	CCJTC Meeting	Barnstable
July 9, 2010	CCJTC Meeting	Barnstable
July 12, 2010	MPO Meeting	Barnstable
August 13, 2010	CCJTC Meeting	Barnstable
August 18, 2010	MPO Meeting	Barnstable
October 8, 2010	CCJTC Meeting	Barnstable
October 28, 2010	MPO Meeting	Barnstable
November 5, 2010	CCJTC Meeting	Barnstable
December 9, 2010	MPO Meeting	Barnstable
December 10, 2010	CCJTC Meeting	Barnstable
January 4, 2011	Public Meeting	Barnstable
January 14, 2011	CCJTC Meeting	Barnstable
January 24, 2011	MPO Meeting	Barnstable
March 28, 2011	MPO Meeting	Barnstable
April 8, 2011	CCJTC Meeting	Barnstable
April __, 2011	Public Meeting – to be determined	
May 2, 2011	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), please call the CCC at 508-362-3828.

A5. 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 feasible, and, 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. Projects in the first years of the TIP, which have designs completed or well underway, should have public support in addition to the regional support. Inclusion on this list does not guarantee funding; the project proponent is responsible for completing the steps toward implementation. The Massachusetts Highway Department has committed to a \$400 million annual statewide road and bridge program. 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.

A5a. 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:

- Consensus in the region for this project to move forward.
- 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 EOT/Office of Transportation Planning to reflect the adjustment in the STIP.



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 may be considered a minor adjustment.

A5b. 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.

A6. TRANSPORTATION FUNDING PROGRAMS

Most funding categories in this TIP are through federal sources: Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) as provided by the current federal legislation. The current federal transportation legislation is the Safe, Accountable, Flexible, 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 and State Non Federal Aid

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. Federal share is 80%, state/local share is 20%.

Bridge Replacement and Rehabilitation Program (BR) - This program provides for the replacement or repair of bridges on or off the federal aid system. Federal 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. A portion of STP funds is for projects qualifying under one of the ten 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. Federal share is 80%, state/local share 20%.

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". An amount of funding has been designated for implementation once these projects are scheduled in the TIP/STIP, designed and have all approvals.

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.

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

Scenic Byways (SB) - This is a discretionary federal funding program for improvements related to scenic byways.

American Recovery and Reinvestment Act of 2009 (ARRA) or "stimulus" Funding from the economic stimulus bill.

Transit Funding Categories, Federal Transit Administration and MassDOT

FTA 5309 Formerly Section 3 (5309) - 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 (5307) - These funds are for capital expenditures. In urbanized areas with a population over 200,000, the use for operating assistance is phased out in SAFETEA-LU.

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

FTA 5311 Formerly Section 18 (5311) - This program funds public transit projects in rural areas. Massachusetts EOT 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 EOT program funds capital improvements for transportation services for people who are elderly and/or have disabilities.



TIP/STIP PROJECTS

B1. 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.

In this TIP, the Federal Fiscal Year (FY) 2011 projects are the region's highest priority projects that should be ready to move to implementation.



SUMMARY OF FUNDING

The Cape Cod federal aid target amounts, from Federal Highway Administration sources through the Commonwealth of Massachusetts, Massachusetts Highway Department, based on approximately 4.59% of the statewide amounts, are listed below, and the current amount programmed is the right column.

Projects programmed in years 2011-2014 reflect 2011 cost estimates. Financial targets have been reduced by an estimated inflation amount. An inflation rate of 4% per year was deducted from the estimated available federal aid for the region.

YEAR	Total Federal Aid	Amount Programmed
2011	\$ 6,391,798	\$ 6,239,865
2012	\$ 5,674,219	\$ 5,021,000
2013	\$ 5,626,358	\$ 5,623,080
2014	\$ 5,361,312	\$ 2,990,000
TOTALS:	\$ 23,053,687	\$ 19,873,945

The list of specific projects follows.

2011 Cape Cod MPO Transportation Improvement Program

TIP Amendment
March 2011

\$ 6,391,798 ◀ Total Target Allocation
\$ 5,360,141 ◀ Maximum STP
\$ 458,514 ◀ Minimum HSIP
\$ 573,143 ◀ Minimum CMAQ

ID ▼	Location ▼	Project Description ▼	Highway District ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
▶ Section 1A / Federal Aid Target Projects										
STP - Surface Transportation Program										
604918	HARWICH	HARWICH- RECONSTRUCTION OF ROUTE 137, FROM QUEEN ANNE ROAD TO THE BREWSTER T.L., Total est. cost: \$4,941,912	5	STP-U		\$3,881,635	\$3,105,308	\$776,327	0.00	construction
604918	HARWICH	HARWICH- RECONSTRUCTION OF ROUTE 137, FROM QUEEN ANNE ROAD TO THE BREWSTER T.L., Total est. cost: \$4,941,912	5	STP-E		\$391,500	\$313,200	\$78,300	0.00	construction
STP Subtotal ▶						\$4,273,135	\$313,200	\$78,300	◀ 80% Federal + 20% Non-Federal Match	
Fiscal Constraint Analysis ▶						-\$1,087,006				
HSIP - Highway Safety Improvement Program										
606131	SANDWICH	SANDWICH- INTERSECTION (ROUNDAABOUT) IMPROVEMENTS @ COTUIT ROAD/HARLOW ROAD/SOUTH SANDWICH ROAD	5	HSIP		\$1,090,610	\$981,549	\$109,061	0.00	construction
HSIP Subtotal ▶						\$0	\$0	\$0	0.00	
Fiscal Constraint Analysis ▶						-\$632,096				
CMAQ - Congestion Mitigation and Air Quality Program										
Transfer to FTA	CCRTA	Demonstration /New transit service Bourne -- Sandwich (\$277,160 Total)	5	CMAQ		\$138,580	\$138,580	\$0	0.00	50% federal (CMAQ) with 50% from CCRTA contract assistance for a total estimated cost of \$277,160.
Transfer to FTA	CCRTA	Demonstration /New transit service Bourne -- Falmouth (\$275,080 Total)	5	CMAQ		\$137,540	\$137,540	\$0	0.00	50% federal (CMAQ) with 50% from CCRTA contract assistance for a total estimated cost of \$275,080
604918	HARWICH	HARWICH- Rte. 137 intersection at Rte. 6 ramps - RECONSTRUCTION OF ROUTE 137, FROM QUEEN ANNE ROAD TO THE BREWSTER T.L., Total est. cost: \$4,941,912	5	CMAQ		\$600,000	\$480,000	\$120,000	0.00	construction
CMAQ Subtotal ▶						\$876,120	\$756,120	\$120,000	◀ 80% Federal + 20% Non-Federal Match	
Fiscal Constraint Analysis ▶						-\$302,977				
Total Federal Aid Target Funds Programmed ▶						\$6,239,865	\$2,050,869	\$307,361		
Total Target Fiscal Constraint Analysis ▶						-\$151,933				
▶ Section 1B / Federal Aid Bridge Projects										
BR - Bridge										
		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
BR Subtotal ▶						\$0	\$0	\$0	◀ 80% Federal + 20% Non-Federal Match	
Total Federal Aid Bridge Funds Programmed ▶						\$0	\$0	\$0		
▶ Section 1C / Federal Aid Non-Target Projects										
Earmarks										
604918	HARWICH	HARWICH- RECONSTRUCTION OF ROUTE 137, FROM QUEEN ANNE ROAD TO THE BREWSTER T.L., Total est. cost: \$4,941,912	5	STP-E		\$68,777	\$55,022	\$13,755	0.00	construction --NOTE that this amount is from Statewide Transportation Enhancements Funds
604488	YARMOUTH-DENNIS	DENNIS- YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO WILLOW STREET, INCLUDES 3 BRIDGES	5	TI (2005)	TI173 - MA209	\$550,000	\$440,000	\$110,000	0.00	DESIGN - \$110,000 match from Towns (Construction in 2012-2013)
						\$0	\$0	\$0	0.00	
Earmarked Subtotal ▶						\$618,777	\$495,022	\$123,755	◀ Funding Split Varies by Earmark	

ID ▼	Location ▼	Project Description ▼	High way Distri ct ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
Other										
	CCNS - NPS / CACO	Capital projects including additional hardware, transit kiosks	5	FLH Park Rds & Parkways		\$100,000	\$100,000	\$0	0.00	capital / construction
	CCNS - NPS / CACO	Various Pavement Management Projects	5	FLH Park Rds & Parkways		\$625,000	\$625,000	\$0	0.00	
						\$0	\$0	\$0	0.00	
Other Subtotal ▶						\$725,000	\$725,000	\$0	◀ Funding Split Varies by Funding Source	
Total Federal Non-Target Funds Programmed ▶						\$1,343,777	\$1,220,022	\$123,755		
▶ Section 1D / Federal Aid Major & State Category Projects										
(NO INTERSTATES ON CAPE COD) IM - Interstate Maintenance										
		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	
IM Subtotal ▶						\$0	\$0	\$0	◀ 90% Federal + 10% Non-Federal Match	
NHS - National Highway System										
605619	FALMOUTH	FALMOUTH- RESURFACING & RELATED WORK ON ROUTE 28	5	NHS		\$5,686,424	\$4,549,139	\$1,137,285	0.00	
						\$0	\$0	\$0	0.00	
NHS Subtotal ▶						\$5,686,424	\$4,549,139	\$1,137,285	◀ 80% Federal + 20% Non-Federal Match	
Other										
		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
Other Subtotal ▶						\$0	\$0	\$0	◀ Funding Split Varies by Funding Source	
Total Federal Aid Major & State Category Funds Programmed ▶						\$5,686,424	\$4,549,139	\$1,137,285		
▶ Section 2A / Non-Federally Funded Projects										
						\$0		\$0	0.00	
						\$0		\$0	0.00	
Non-Federally Funded Projects Subtotal ▶						\$0	\$0	\$0	◀ 100% Non-Federal	
Total Non-Federally Funded Projects Programmed ▶						\$0	\$0	\$0		
▶ Section 2B / Non-Federally Aided Bridge Projects										
603892	DENNIS	DENNIS- BRIDGE REPLACEMENT, D-07-001, UPPER COUNTY ROAD OVER SWAN RIVER	5	ABP-GANS		\$ 2,712,440		\$2,712,440	0.00	construction
605291	DENNIS	DENNIS- BRIDGE REPLACEMENT, D-07-006, MAIN STREET (SR 28) OVER WATER SWAN POND RIVER	5	ABP-GANS		\$ 5,544,560		\$5,544,560	0.00	construction
603670	Bourne- Wareham	BOURNE- WAREHAM- BRIDGE REPLACEMENT, B-17-017=W-06-012, US ROUTE 6 & STATE ROUTE 28 (CRANBERRY HIGHWAY) OVER COHASSET NARROWS	5	ABP-NFA		\$15,179,832		\$15,179,832	0.00	FOR INFO ONLY HERE (see SRPEDD TIP) -NOT ADDED IN TOTAL NFA BR
Non-Federally Aided Bridges Subtotal ▶						\$8,257,000	\$0	\$8,257,000	◀ 100% Non-Federal	
Total Non-Federally Funded Bridge Projects Programmed ▶						\$8,257,000	\$0	\$8,257,000		
						Section 1: Total Federal Projects ▼	Section 2: Total Non-Federal Projects ▼	Total of All Projects ▼		
Total ▶						\$13,270,066	\$8,257,000	\$21,527,066	◀ Total Spending in Region	
Federal Funds ▶						\$7,820,030		\$7,820,030	◀ Total Federal Spending in Region	
Non-Federal Funds▶						\$1,568,401	\$8,257,000	\$9,825,401	◀ 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 wi										

2012 Cape Cod MPO Transportation Improvement Program

**TIP Amendment
March 2011**

\$ 5,674,219	◀ Total Target Allocation
\$ 5,215,705	◀ Maximum STP
\$ 458,514	◀ Minimum HSIP
\$ -	◀ Minimum CMAQ

ID ▼	Location ▼	Project Description ▼	Highway District ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds ▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
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► Section 1A / Federal Aid Target Projects

STP - Surface Transportation Program

605375	DENNIS	DENNIS- RECONSTRUCTION ON ROUTE 134, FROM ROUTE 28 TO UPPER COUNTY ROAD	5	STP		\$0	\$0	\$0	0.00	Total \$3,800,000	RSA 6-28-10
STP Subtotal ►						\$0	\$0	\$0	◀ 80% Federal + 20% Non-Federal Match		
Fiscal Constraint Analysis ►						-\$5,215,705					

HSIP - Highway Safety Improvement Program

605375	DENNIS	DENNIS- RECONSTRUCTION ON ROUTE 134, FROM ROUTE 28 TO UPPER COUNTY ROAD (HSIP Intersection)	5	HSIP		\$1,300,000	\$1,170,000	\$130,000	0.00	Total \$3,800,000	RSA 6-28-10
605243	YARMOUTH	IMPROVEMENTS AT OLD TOWN HOUSE ROAD & FOREST ROAD	5	HSIP		\$1,221,000	\$1,098,900	\$122,100	0.00	at 100%	
						\$0	\$0	\$0	0.00		
HSIP Subtotal ►						\$2,521,000	\$2,268,900	\$252,100	◀ 90% Federal + 10% Non-Federal Match		
Fiscal Constraint Analysis ►						\$2,062,486					

CMAQ - Congestion Mitigation and Air Quality Program

605375	DENNIS	DENNIS- RECONSTRUCTION ON ROUTE 134, FROM ROUTE 28 TO UPPER COUNTY ROAD	5	STP>CMAQ		\$2,500,000	\$2,000,000	\$500,000	0.00	Total \$3,800,000	RSA 6-28-10
						\$0	\$0	\$0	0.00		
CMAQ Subtotal ▶						\$2,500,000	\$2,000,000	\$500,000	◀ 80% Federal + 20% Non-Federal Match		
Fiscal Constraint Analysis ▶						-\$2,500,000					
Total Federal Aid Target Funds Programmed ▶						\$5,021,000	\$4,268,900	\$752,100			
Total Target Fiscal Constraint Analysis ▶						-\$653,219					

► Section 1B / Federal Aid Bridge Projects

BR - Bridge

		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	
BR Subtotal ►						\$0	\$0	\$0	◀ 80% Federal + 20% Non-Federal Match	
Total Federal Aid Bridge Funds Programmed ►						\$0	\$0	\$0		

► Section 1C / Federal Aid Non-Target Projects

Earmarks

604488	YARMOUTH- DENNIS	DENNIS- YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO WILLOW STREET, INCLUDES 3 BRIDGES	5	TI (2005)	TI173 - MA209	\$2,956,080	\$2,364,864	\$591,216	0.00	Construction 2012-2013 TOTAL \$8,100,000 (Earmark and CMAQ)
Earmarked Subtotal ►						\$2,956,080	\$2,364,864	\$591,216	◀ Funding Split Varies by Earmark	

Other

	CCNS - NPS / CACO	Various Pavement Management Projects	5	FLH Park Rds & Parkways		\$587,000	\$587,000	\$0	0.00	
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ID ▼	Location ▼	Project Description ▼	Highway District ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds ▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
						\$0	\$0	\$0	0.00	
Other Subtotal ►						\$587,000	\$587,000	\$0		◀ Funding Split Varies by Funding Source
Total Federal Non-Target Funds Programmed ►						\$3,543,080	\$2,951,864	\$591,216		
► Section 1D / Federal Aid Major & State Category Projects										
IM - Interstate Maintenance										
		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	
IM Subtotal ►						\$0	\$0	\$0		◀ 90% Federal + 10% Non-Federal Match
NHS - National Highway System										
606178	BOURNE	BOURNE- RESURFACING & SAFETY UPGRADING ON ROUTE 28 (GENERAL MACARTHUR BOULEVARD)	5	NHS		\$7,374,900	\$5,899,920	\$1,474,980	0.00	
						\$0	\$0	\$0	0.00	
NHS Subtotal ►						\$7,374,900	\$5,899,920	\$1,474,980		◀ 80% Federal + 20% Non-Federal Match
Other										
		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
Other Subtotal ►						\$0	\$0	\$0		◀ Funding Split Varies by Funding Source
Total Federal Aid Major & State Category Funds Programmed ►						\$7,374,900	\$5,899,920	\$1,474,980		
► Section 2A / Non-Federally Funded Projects										
		NO PROJECTS PROGRAMMED				\$0		\$0	0.00	
						\$0		\$0	0.00	
Non-Federally Funded Projects Subtotal ►						\$0	\$0	\$0		◀ 100% Non-Federal
Total Non-Federally Funded Projects Programmed ►						\$0	\$0	\$0		
► Section 2B / Non-Federally Aided Bridge Projects										
603690	CHATHAM	CHATHAM- BRIDGE REPLACEMENT, C-07-001, BRIDGE STREET OVER THE MITCHELL RIVER	5	ABP-GANS		\$11,970,000		\$11,970,000	0.00	
						\$0		\$0	0.00	
Non-Federally Aided Bridges Subtotal ►						\$11,970,000	\$0	\$0		◀ 100% Non-Federal
Total Non-Federally Funded Bridge Projects Programmed ►						\$11,970,000	\$0	\$0		
						Total ►	\$15,938,980	\$11,970,000	\$27,908,980	◀ Total Spending in Region
						Federal Funds ►	\$13,120,684		\$13,120,684	◀ Total Federal Spending in Region
						Non-Federal Funds ►	\$2,818,296	\$0	\$2,818,296	◀ 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 wi										

2013 Cape Cod MPO Transportation Improvement Program

**TIP Amendment
March 2011**

\$	5,626,358	◀ Total Target Allocation
\$	4,250,816	◀ Maximum STP
\$	458,514	◀ Minimum HSIP
\$	917,028	◀ Minimum CMAQ

ID ▼	Location ▼	Project Description ▼	Highway District ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds ▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
► Section 1A / Federal Aid Target Projects										
STP - Surface Transportation Program										
			5	STP			\$0	\$0	0.00	
602213	ORLEANS	ORLEANS- ROUNDABOUT IMPROVEMENTS AT ROUTES 28 & 6A	5	STP		\$1,273,080	\$1,018,464	\$254,616	0.00	
STP Subtotal ►						\$1,273,080	\$1,018,464	\$254,616		◀ 80% Federal + 20% Non-Federal Match
Fiscal Constraint Analysis ►						-\$2,977,736				
HSIP - Highway Safety Improvement Program										
						\$0	\$0	\$0	0.00	
			5	HSIP		\$0	\$0	\$0	0.00	
HSIP Subtotal ►						\$0	\$0	\$0		◀ 90% Federal + 10% Non-Federal Match
Fiscal Constraint Analysis ►						-\$458,514				
CMAQ - Congestion Mitigation and Air Quality Program										
604488	YARMOUTH-DENNIS	DENNIS- YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO WILLOW STREET, INCLUDES 3 BRIDGES	5	CMAQ		\$4,350,000	\$3,480,000	\$870,000	0.00	Construction 2012-2013 TOTAL \$8,100,000 (Earmark and CMAQ)
						\$0	\$0	\$0	0.00	
CMAQ Subtotal ►						\$4,350,000	\$3,480,000	\$870,000		◀ 80% Federal + 20% Non-Federal Match
Fiscal Constraint Analysis ►						-\$3,432,972				
Total Federal Aid Target Funds Programmed ►						\$5,623,080	\$4,498,464	\$1,124,616		
Total Target Fiscal Constraint Analysis ►						-\$3,278				
► Section 1B / Federal Aid Bridge Projects										
BR - Bridge										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
BR Subtotal ►						\$0	\$0	\$0		◀ 80% Federal + 20% Non-Federal Match
Total Federal Aid Bridge Funds Programmed ►						\$0	\$0	\$0		
► Section 1C / Federal Aid Non-Target Projects										
Earmarks										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
Earmarked Subtotal ►						\$0	\$0	\$0		◀ Funding Split Varies by Earmark
Other										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
Other Subtotal ►						\$0	\$0	\$0		◀ Funding Split Varies by Funding Source
Total Federal Non-Target Funds Programmed ►						\$0	\$0	\$0		
► Section 1D / Federal Aid Major & State Category Projects										
IM - Interstate Maintenance										
		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	

ID ▼	Location ▼	Project Description ▼	Highway District ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
IM Subtotal ▶						\$0	\$0	\$0	◀ 90% Federal + 10% Non-Federal Match	
NHS - National Highway System										
606179	DENNIS-ORLEANS	Route 6	5	NHS		\$6,077,430	\$4,861,944	\$1,215,486	0.00	drainage issues
						\$0	\$0	\$0	0.00	
NHS Subtotal ▶						\$6,077,430	\$4,861,944	\$1,215,486	◀ 80% Federal + 20% Non-Federal Match	
Other										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
Other Subtotal ▶						\$0	\$0	\$0	◀ Funding Split Varies by Funding Source	
Total Federal Aid Major & State Category Funds Programmed ▶						\$6,077,430	\$4,861,944	\$1,215,486		
▶ Section 2A / Non-Federally Funded Projects										
						\$0		\$0	0.00	
						\$0		\$0	0.00	
Non-Federally Funded Projects Subtotal ▶						\$0	\$0	\$0	◀ 100% Non-Federal	
Total Non-Federally Funded Projects Programmed ▶						\$0	\$0	\$0		
▶ Section 2B / Non-Federally Aided Bridge Projects										
						\$0		\$0	0.00	
						\$0		\$0	0.00	
Non-Federally Aided Bridges Subtotal ▶						\$0	\$0	\$0	◀ 100% Non-Federal	
Total Non-Federally Funded Bridge Projects Programmed ▶						\$0	\$0	\$0		
						Total ▶	Section 1: Total Federal Projects ▼	Section 2: Total Non-Federal Projects ▼	Total of All Projects ▼	◀ Total Spending in Region
						\$11,700,510		\$0	\$11,700,510	
Federal Funds ▶						\$9,360,408		\$9,360,408	◀ Total Federal Spending in Region	
Non-Federal Funds▶						\$2,340,102		\$0	\$2,340,102	◀ 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 wi										

2014 Cape Cod MPO Transportation Improvement Program

**TIP Amendment
March 2011**

\$	5,361,312	◀ Total Target Allocation
\$	3,985,770	◀ Maximum STP
\$	458,514	◀ Minimum HSIP
\$	917,028	◀ Minimum CMAQ

ID ▼	Location ▼	Project Description ▼	Highway District ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
► Section 1A / Federal Aid Target Projects										
STP - Surface Transportation Program										
605661	FALMOUTH	FALMOUTH- INTERSECTION IMPROVEMENTS @ TEATICKET HIGHWAY (ROUTE 28)/JONES ROAD/WORCESTER COURT	5	STP		\$1,490,000	\$1,192,000	\$298,000	0.00	
605671	FALMOUTH	FALMOUTH- INTERSECTION IMPROVEMENTS AT EAST FALMOUTH HIGHWAY (ROUTE 28) DAVISVILLE ROAD/OLD MEETINGHOUSE ROAD	5	STP		\$1,500,000	\$1,200,000	\$300,000	0.00	
STP Subtotal ►						\$2,990,000	\$2,392,000	\$598,000	◀ 80% Federal + 20% Non-Federal Match	
Fiscal Constraint Analysis ►						-\$995,770				
HSIP - Highway Safety Improvement Program										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
HSIP Subtotal ►						\$0	\$0	\$0	◀ 90% Federal + 10% Non-Federal Match	
Fiscal Constraint Analysis ►						-\$458,514				
CMAQ - Congestion Mitigation and Air Quality Program										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
CMAQ Subtotal ►						\$0	\$0	\$0	◀ 80% Federal + 20% Non-Federal Match	
Fiscal Constraint Analysis ►						\$917,028				
Total Federal Aid Target Funds Programmed ►						\$2,990,000	\$2,392,000	\$598,000		
Total Target Fiscal Constraint Analysis ►						-\$2,371,312				
► Section 1B / Federal Aid Bridge Projects										
BR - Bridge										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
BR Subtotal ►						\$0	\$0	\$0	◀ 80% Federal + 20% Non-Federal Match	
Total Federal Aid Bridge Funds Programmed ►						\$0	\$0	\$0		
► Section 1C / Federal Aid Non-Target Projects										
Earmarks										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
Earmarked Subtotal ►						\$0	\$0	\$0	◀ Funding Split Varies by Earmark	
Other										
						\$0	\$0	\$0	0.00	

ID ▼	Location ▼	Project Description ▼	Highway District ▼	Funding Category ▼	Earmark Details ▼	Total Estimated Cost ▼	Federal Funds▼	Non-Federal Match ▼	TEC Score ▼	Additional Information ▼
						\$0	\$0	\$0	0.00	
Other Subtotal ▶						\$0	\$0	\$0	◀ Funding Split Varies by Funding Source	
Total Federal Non-Target Funds Programmed ▶						\$0	\$0	\$0		
▶ Section 1D / Federal Aid Major & State Category Projects										
IM - Interstate Maintenance										
		NO PROJECTS PROGRAMMED				\$0	\$0	\$0	0.00	
IM Subtotal ▶						\$0	\$0	\$0	◀ 90% Federal + 10% Non-Federal Match	
NHS - National Highway System										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
NHS Subtotal ▶						\$0	\$0	\$0	◀ 80% Federal + 20% Non-Federal Match	
Other										
						\$0	\$0	\$0	0.00	
						\$0	\$0	\$0	0.00	
Other Subtotal ▶						\$0	\$0	\$0	◀ Funding Split Varies by Funding Source	
Total Federal Aid Major & State Category Funds Programmed ▶						\$0	\$0	\$0		
▶ Section 2A / Non-Federally Funded Projects										
						\$0		\$0	0.00	
						\$0		\$0	0.00	
Non-Federally Funded Projects Subtotal ▶						\$0	\$0	\$0	◀ 100% Non-Federal	
Total Non-Federally Funded Projects Programmed ▶						\$0	\$0	\$0		
▶ Section 2B / Non-Federally Aided Bridge Projects										
						\$0		\$0	0.00	
						\$0		\$0	0.00	
Non-Federally Aided Bridges Subtotal ▶						\$0	\$0	\$0	◀ 100% Non-Federal	
Total Non-Federally Funded Bridge Projects Programmed ▶						\$0	\$0	\$0		
						Section 1: Total Federal Projects ▼	Section 2: Total Non- Federal Projects ▼	Total of All Projects ▼		
Total ▶						\$2,990,000	\$0	\$2,990,000	◀ Total Spending in Region	
Federal Funds ▶						\$2,392,000		\$2,392,000	◀ Total Federal Spending in Region	
Non-Federal Funds▶						\$598,000	\$0	\$598,000	◀ 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 wi										

Year	Fund	RTA	Project	Description	Total Cost	Federal	State	state match	MPO
2011	5311	CCRTA	FY10 Operating Non-Urb Area	Operating Assistance	\$1,014,855	\$46,018	\$968,837	SCA OPERATING	Cape Cod
2011	5307	CCRTA	FY10 Operating Urb Area	Operating Assistance	\$538,120	\$269,060	\$269,060	OPERATING	Cape Cod
2011	5307	CCRTA	FY10 Maintenance	Preventative Maintenance	\$2,801,425	\$1,319,067	\$1,482,358	OPERATING	Cape Cod
2011	5307	CCRTA	FY10 ADA Paratransit	ADA Paratransit	\$1,010,443	\$481,673	\$528,771	OPERATING	Cape Cod
2011	5307	CCRTA	FY10 Transit Enhancements	Transit Enhancements	\$47,533	\$47,533	\$11,883	TDC	Cape Cod
2011	5307	CCRTA	FY11 Capital Project / Rail Feasibility Study	Passenger Rail Feasibility Study	\$300,000	\$300,000	\$75,000	TDC	Cape Cod
2011	5307	CCRTA	FY11 Capital Project	FY11 Capital: Bus Parking Lot Expansion at Operations; computer hardware/software, shop equipment	\$1,000,000	\$1,000,000	\$200,000	TDC	Cape Cod
Total FY11: \$					\$ 6,712,377	\$ 3,463,351	\$ 3,535,909		
2012	5311	CCRTA	FY11 Operating Non-Urb Area	Operating Assistance	\$1,014,855	\$46,018	\$968,837	SCA OPERATING	Cape Cod
2012	5307	CCRTA	FY11 Operating Urb Area	Operating Assistance	\$538,120	\$269,060	\$269,060	SCA OPERATING	Cape Cod
2012	5307	CCRTA	FY11 Maintenance	Preventative Maintenance	\$3,620,841	\$2,138,483	\$1,482,358	SCA OPERATING	Cape Cod
2012	5307	CCRTA	FY11 ADA Paratransit	ADA Paratransit	\$1,024,893	\$496,123	\$528,771	SCA OPERATING	Cape Cod
2012	5307	CCRTA	FY11 Transit Enhancements	Transit Enhancements	\$61,199	\$48,959	\$12,240	RTA CAP	Cape Cod
2012	5307	CCRTA	FY12 Capital Project	FY12 Capital: computer hardware/software, shop equipment	\$1,000,000	\$800,000	\$200,000	RTA CAP	Cape Cod
Total FY12: \$					\$ 7,259,908	\$ 3,798,642	\$ 3,461,265		
2013	5311	CCRTA	FY12 Operating Non-Urb Area	Operating Assistance	\$1,043,920	\$46,018	\$997,902	SCA OPERATING	Cape Cod
2013	5307	CCRTA	FY12 Operating Urb Area	Operating Assistance	\$538,120	\$269,060	\$269,060	SCA OPERATING	Cape Cod
2013	5307	CCRTA	FY12 Maintenance	Preventative Maintenance	\$3,227,746	\$2,202,637	\$1,025,109	SCA OPERATING	Cape Cod
2013	5307	CCRTA	FY12 ADA Paratransit	ADA Paratransit	\$1,039,777	\$511,006	\$528,771	SCA OPERATING	Cape Cod
2013	5307	CCRTA	FY12 Transit Enhancements	Transit Enhancements	\$63,035	\$50,428	\$12,607	RTA CAP	Cape Cod
2013	5307	CCRTA	FY13 Capital Project	FY13 Capital: computer hardware/software/shop equipment	\$2,100,000	\$1,680,000	\$420,000	RTA CAP	Cape Cod
2013	MAP35	CCRTA	Van	Lift Van (4)	\$240,000	\$0	\$240,000	MAP	Cape Cod
2013	MAP35	CCRTA	RadiosMDTs	Mobile radios/base sta. MDTs	\$2,732	\$0	\$2,732	MAP	Cape Cod

Year	Fund	RTA	Project	Description	Total Cost	Federal	State	state match	MPO
Total FY13: \$					8,255,330 \$	4,759,149 \$	3,496,180		
2014	5311	CCRTA	FY13 Operating Non-Urb Area	Operating Assistance	\$1,073,857	\$46,018	\$1,027,839	SCA OPERATING	Cape Cod
2014	5307	CCRTA	FY13 Operating Urb Area	Operating Assistance	\$538,120	\$269,060	\$269,060	SCA OPERATING	Cape Cod
2014	5307	CCRTA	FY13 Maintenance	Preventative Maintenance	\$3,293,825	\$2,268,716	\$1,025,109	SCA OPERATING	Cape Cod
2014	5307	CCRTA	FY13 ADA Paratransit	ADA Paratransit	\$1,055,107	\$526,337	\$528,771	SCA OPERATING	Cape Cod
2014	5307	CCRTA	FY13 Transit Enhancements	Transit Enhancements	\$64,926	\$51,941	\$12,985	RTA CAP	Cape Cod
2014	5307	CCRTA	FY14 Capital Project	FY14 Capital: computer hardware/software/shop equipment	\$2,100,000	\$1,680,000	\$420,000	RTA CAP	Cape Cod
2014	MAP36	CCRTA	Buses	Minibuses (18)	\$1,080,000	\$0	\$1,080,000	MAP	Cape Cod
2014	MAP36	CCRTA	RadiosMDTs	Mobile radios/base sta. MDTs	\$2,732	\$0	\$2,732	MAP	Cape Cod
Total FY14: \$					9,208,567 \$	4,842,071 \$	4,366,496		

SCA = State Contract Assistance
TDC = Toll Credits
MAP = Mobility Assistance Program

PROJECTS IN NEED OF FUNDING
Estimated Cost

BARNSTABLE	URBAN AREA	Airport Rotary improvements, including grade separation of Route 28 with tunnel / overpass direct connection and improvements to remaining circle operations	\$20,000,000
BARNSTABLE	URBAN AREA	Improved access for Hyannis Transportation Center	\$5,000,000
BARNSTABLE	URBAN AREA	Route 28 at Bearse's Way intersection -- safety improvements	\$2,000,000
BARNSTABLE BOURNE	URBAN AREA	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	Yarmouth Road/Willow Street widening (Includes additional 2 lanes of travel for approximately 3 miles from State Route 28 to the recently-improved section in the Town of Yarmouth; R-O-W acquisition, demolition, roadway construction)	\$20,000,000
BARNSTABLE YARMOUTH	URBAN AREA	Regional bicycle/pedestrian access in the Route 28/Yarmouth Road and Willow Street area between Hyannis Transportation Center and planned extension of the existing Cape Cod Rail Trail in Dennis-Yarmouth; Design build grade crossings of Willow Street and Railroad	\$13,000,000
BOURNE	URBAN AREA	Main Street improvements in Buzzards Bay -- business and government center; regional marine research education	\$1,200,000
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 RAIL	URBAN AREA	Buzzards Bay to Middleborough capital improvements for rail updgrade	\$ 6,000,000
Cape Cod Regional Transit Authority	URBAN AREA	Intercity Seasonal Connector-planning	\$ 300,000
Cape Cod Regional Transit Authority	URBAN AREA	Intercity Seasonal Connector-demonstration	\$ 4,000,000
CHATHAM	URBAN AREA	Crowell Road / Main Street Intersection Improvement Project	\$1,200,000
DENNIS	URBAN AREA	Route 134 at Airline Road, Intersection Improvements	\$600,000
DENNIS	URBAN AREA	Old Wharf Road, resurfacing and drainage improvements	\$450,000
DENNIS	URBAN AREA	Route 28 sidewalks	\$2,000,000
DENNIS to ORLEANS	URBAN AREA	Route 6 National Highway System NHS, section with failing pavement	\$15,000,000
DENNIS YARMOUTH TOWN LINE	URBAN AREA	Highbank Road BRIDGE Dennis Yarmouth Town Line over Bass River	\$1,000,000
EASTHAM	URBAN AREA	Eastham, Route 6 at Bracket Road Intersection safety improvements	\$800,000
EASTHAM	URBAN AREA	Eastham, Bracket Road Resurfacing and related work	\$1,250,000

PROJECTS IN NEED OF FUNDING

		Estimated Cost
EASTHAM	URBAN AREA Eastham, Bridge Rd. resurfacing and related work, form Orleans Town Line to Boat Meadow Rd.	\$1,250,000
HARWICH	URBAN AREA Route 124 section, 1.4 miles from Headwaters Drive northerly to Brewster TL	\$2,000,000
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
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
PROVINCETOWN	Commercial Street Reconstruction	\$3,500,000
SANDWICH	URBAN AREA Route 130 Exit 2 Phase 2, WB exit ramp and Service Road intersection improvements	\$3,000,000
SANDWICH	URBAN AREA Quaker Meetinghouse Road Pedestrian Accessibility 4 miles of sidewalk	\$1,055,000
SANDWICH	URBAN AREA Sandwich, Quaker Meetinghouse Road - 3.5 miles long, mill and pave	\$1,605,000
SSA - FALMOUTH - MARTHA'S VINEYARD - NANTUCKET	URBAN AREA Vessel Sewage Pump-out Systems -- Installation of 3 land-side pump-out systems and vessel modifications in Woods Hole, Vineyard Haven, and Nantucket	\$2,700,000
WELLFLEET	Chequessett BR Rehabilitation	\$12,000,000
YARMOUTH	URBAN AREA Yarmouth, Forest Road Resurfacing Rte. 28 to Old Town House Rd. - 2 miles	\$700,000
YARMOUTH	URBAN AREA Yarmouth, White's Path industrial commercial area roadway overlay, 1.6 miles long--crack fill, frame adjustments, 3" overlay, pavement markings, shoulder work	\$600,000
YARMOUTH	URBAN AREA Yarmouth, Poured Pavement Projects for approximately 3,000 linear feet of roadway	\$750,000
YARMOUTH	URBAN AREA Yarmouth, Sidewalk improvements: North Main Street sidewalk of approximately 1 mile connecting existing sidewalk with major recreation area	\$650,000
YARMOUTH	URBAN AREA Yarmouth, Sidewalk improvements: South Shore Drive sidewalk- 1 mile from Sea View Ave. to South St	\$650,000
YARMOUTH	URBAN AREA Yarmouth, Sidewalk improvements: Winslow Gray Rd. sidewalk 0.75 miles long from Buck Island Rd. to Long Pond Dr.	\$400,000
TOTAL		\$137,060,000

Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Advertising DATE	AWARD or BID OPENING DATE	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	Estimated cost or award amount	FUND advertised	YEAR advertised (FFY)
56206	BOURNE	Bridge, Perry St, replacement/related BR# B-17-010	5/22/93	8/4/93	\$857,648	BR	11/30/94	?town	\$857,648	BR	1993
600326	DEN to ORL	Route 6, Install surface mount delineators	11/13/93	3/24/94	\$37,717	NFA	YES	state	\$37,717	NFA	1993
	Eastham, Wellfleet	Cape Cod Rail Trail (extension)	3/6/93	6/9/93	\$1,239,333	CMQ	9/30/94	DEM	\$1,239,333	CMAQ	1993
53355	FALMOUTH	Bridge, Menauhant Rd over Green Pond, BR#F-03-002	12/31/93	11/9/94	\$2,274,690	BR	12/1/96	?town	\$2,274,690	BR	1993
600485	HARWICH	Bridge #H-10-014, Rte 137 Br betterment over Rte 6	12/18/93	5/25/94	\$564,384	NFA BR	7/15/95	state	\$564,384	NFA	1993
600111	ORLEANS	Roof Replacment Orleans Depot, Bay Ridge La & 6, 6A	6/26/93	11/24/93	\$68,500	NFA	done?	state	\$68,500	NFA	1993
17400	SANDWICH	Bridge#S-04-02/Conrail, Old County Rd & Related	12/4/93	7/6/94	\$282,240	BR	7/29/96	town	\$282,240	BR	1993
1993 ADVERTISING PROGRAM									TOTAL	\$5,324,512	
600897	BARNSTABLE	Route 132 @ Bearses Way Intersection	12/10/94	3/1/95	\$357,790	NFA	6/14/96	town	\$357,790	NFA	1994
600694	Barns, Bour, Sand	Route 6 Sign Update & Replacement	12/17/94	4/26/95	\$590,021	NFA	11/30/95	state	\$590,021	NFA	1994
600492	BOURNE	Rte 6@Bournedale & Nightingale Rds, sig & safety	2/12/94	7/27/94	\$662,568	NFA	7/31/98	state	\$662,568	NFA	1994
600728	Dennis, Yarmouth	Bridge Maint. Rte 6, Y-1-7,15,16, D-7-11	10/8/94	1/11/95	\$1,392,855	NFA	9/16/96	state	\$1,392,855	NFA	1994
600407	MASHPEE	Rte 151 Resurface & related	9/3/94	11/16/94	\$145,680	NFA	10/1/95	?town	\$145,680	NFA	1994
1994 ADVERTISING PROGRAM									TOTAL	\$3,148,914	
	BARNSTABLE	Route 6 rest area renovations	9/16/95	1/17/96	\$168,736	NFA	8/8/96	state	\$168,736	NFA	1995
601219	BARNSTABLE	SSA ferry terminal & marine facilities	4/22/95	8/16/95	\$4,568,000	FBD	7/9/97	SSA	\$4,568,000	FBD	1995
600564	HARWICH	Rte 124 @ Rte 6, Park & Ride Lot Construction	4/1/95	8/30/95	\$182,900	NFA	8/19/96	state	\$182,900	NFA	1995
601039	MASHPEE	Route 130 section, resurfacing & related	2/4/95	5/2/95	\$160,369	NFA	7/20/95	town	\$160,369	NFA	1995
1995 ADVERTISING PROGRAM									TOTAL	\$5,080,005	
601396	BARNSTABLE	Route 28 Recons & Signals on a section	9/21/96	5/12/98	\$1,249,101	STP	11/30/99	town	\$1,278,140	STP	1996
601194	Bourne / Plymouth	Route 25 EB to rest area, water service tie in	11/25/95	complete	\$361,495	NFA	7/13/96	state	\$545,719	NFA	1996
601423	BOURNE	Buzzards Bay Train Station Improvements	9/21/96	1/7/98	\$149,747	STP-E	12/31/99	town	\$155,677	STP-E	1996
601418	BOURNE	Monument Beach Train Station Improvements	9/21/96	2/11/98	\$28,698	STP-E	completed 1999	town	\$32,163	STP-E	1996
601634	EASTHAM	Route 6 / Rogers Lane, drainage	12/2/95	complete	readv 6/15/96	NFA	11/6/96	state	\$30,950	NFA	1996
601257	FALMOUTH	Route 151 @ Sandwich Rd	10/14/95	complete	\$408,260	STP	7/5/97	town	\$499,676	STP	1996
601690	FALMOUTH	Construct Shining Sea Bikeway, Phase II	6/15/96	complete	\$299,974	NFA	7/12/97	town	\$273,399	NFA	1996
600402	FALMOUTH	Route 151 Section	9/28/96	10/7/97	\$1,524,864	STP	5/28/99	town	\$1,622,950	STP	1996
601563	TRURO	Cons. Two Chemical Storage Sheds	6/1/96	10/8/96	\$200,000	NFA	?	state	\$199,850	NFA	1996
601084	YARMOUTH	Route 6 Bridges #'s: Y-1-5, 5a, 6, 12, 13, 14	10/21/95	2/21/96	\$986,000	NFA	1/14/98	state	\$986,332	NFA	1996
601859	YARMOUTH	Recons railroad grade crossing Willow St	9/21/96	11/5/96	\$375,222	NFA	7/30/97	state	\$269,298	NFA	1996
1996 ADVERTISING PROGRAM									TOTAL	\$5,894,154	
601541	BARN-ORLEANS	Route 6 safety improvements, signs	11/23/96	3/11/97		NFA	complete 1997	state	\$659,265	NFA	1997
105701	BARNSTABLE	Route 28 section	12/28/96	4/1/97		NFA	11/30/98	state	\$4,168,495	NFA	1997
600969	EASTHAM	Bridge, Bridge Rd over Boat Meadow River #E-04-001	2/22/97	6/24/97		NFA	completed 1999	town	\$565,363	NFA	1997
601095	FALMOUTH	Bridge, Quaker Rd over Herring Brook #F-03-011	1/11/97	5/28/97	\$1,198,203	BR	complete may00	town	\$1,256,079	BR	1997
600517	FALMOUTH	Pedestrian signal Rte 28 @ Falmouth Mall	2/22/97	5/6/97	\$54,738	NFA	11/1/97	town	\$51,920	NFA	1997
601465	HARWICH	Cons of Bike Path CCRT extension	1/18/97	8/26/97	\$698,302	NFA	8/22/98	town	\$674,451	NFA	1997
601883	MASHPEE	Great Neck Rd South section	2/1/97	4/29/97	\$667,492	NFA	complete	town	\$750,910	NFA	1997
601882	MASHPEE	Route 151 section	2/15/97	11/4/97?		NFA	complete	town	\$344,993	NFA	1997
601706	MASHPEE	Route151 @ Old Barns Rd (signal)	9/6/97	11/18/97	\$279,706	NFA	complete 1999	town	\$315,539	NFA	1997
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	2/22/97	5/6/97 bids opened, rejected			readvertised	state		NFA	1997
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	6/14/97	9/97 contractor withdrew			readvertised 98	state		NFA	1997
117808	SANDWICH	Route 6A, Tupper Rd to Chipman Rd	2/22/97	5/6/98	\$1,812,077	NFA	11/30/00	state	\$2,212,787	NFA	1997
601582	BARNSTABLE	Park & Ride lot expansion, Rte 6 at Rte 132	6/21/97	8/26/97	\$799,528	CMQ	8/29/98	state	\$931,620	CMAQ	1997
600795	YARMOUTH	Route 28@ Forest Rd	6/14/97	5/6/98	\$539,380	NFA	??? deobligated	state		NFA	1997
1997 ADVERTISING PROGRAM									TOTAL	\$11,931,422	
601801	BARNSTABLE	Barns, Route 132 Signal Coordination	10/11/97	5/6/98	\$249,305	NFA	9/26/98	town	\$290,000	NFA	1998
600966	BARNSTABLE	Bridge, Craigville Beach Rd over Centerville River #B-01-002	12/27/97	4/14/98	\$834,399	BR	6/1/02	town	\$906,759	BR	1998
600967	Barns, Mashpee	Bridge, School St over Santuit River	11/29/97	4/28/98	See 2000 Adv	BR	re-advertised	town	see below	BR	1998
601522	DENNIS	Setucket Rd (Old Bass River Rd to Rte 134)	11/29/97	1/28/98	\$657,694	STP	complete	town	\$706,960	STP	1998

Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Advertising DATE	AWARD or BID OPENING DATE	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	Estimated cost or award amount	FUND advertised	YEAR adverstised (FFY)
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	8/1/98	(3rd time for advertising)		NFA	?	state	\$150,914	NFA 3rd	1998
600970	FALMOUTH	CHURCH ST BR#F-03-014 (timber bridge replacement)	9/19/98	1/12/99	E. T. & L. Corp.	BR	5/27/00	town	\$1,170,899	BR	1998
601966	BOURNE	Intersect Rte 6 and Nightingale Pond Dr & Scenic Dr	9/12/98	11/17/98	P.A. Landers	NFA	11/22/99	town	\$251,678	NFA	1998
1998 ADVERTISING PROGRAM									TOTAL	\$3,477,210	
601422	BOURNE +	Head of the Bay Road, (also Plymouth and Wareham)	? See belowd -- TIP 1999 funds			STP	advertised in 2000	town	see below	STP	1999
1999 ADVERTISING PROGRAM									TOTAL	\$0	
600967	Barns, Mashpee	Bridge, School St, Re-advertised May 2000 (orig 11/97)	5/6/00	6/13/00	\$698,584	BR	11/1/01	town	\$698,584	NFA	2000
601422	BOURNE +	Head of the Bay Road, (also Plymouth and Wareham)	7/8/00	9/12/00	\$1,285,815	STP	Dec 2001	state	\$1,248,879	STP	2000
601955	DENNIS	Route 6 @ Interchang 9 -- Route 134	6/17/00	9/19/00	\$2,165,316	NFA	5/24/03**	state	\$3,038,500	NFA	2000
601751	YARMOUTH	Buck Island and Town Brook Roads	6/24/00	8/22/00	\$1,389,680	STP	Nov 2002**	town	\$1,665,000	STP	2000
no projis	PROVINCETOWN	Shank Painter Property Acquisition - statewide Enhancements			\$247,000	STP-E	complete	town	\$247,000	STP-E	2000
2000 ADVERTISING PROGRAM									TOTAL	\$6,897,963	
	BOURNE	Academy Road Railroad crossing	5/12/01	pen rejected 11/14/01		NFA ?		state	\$247,507	NFA	2001
602309	HARWICH, CCRT	BRIDGE, Route 6/ Cape Cod Rail Trail, H-10-020	10/20/00	1/23/01	\$703,342	CMAQ	11/24/01	regional	\$703,342	CMAQ	2001
602293	HARWICH	BRIDGE, Lower County Road over the Herring River	3/12/01	22/01, re-advertised 7/21/01			-----	state	see below		2001
602293	HARWICH	BRIDGE, Lower County Road over the Herring River H-10-01	7/21/01	9/25/01	\$1,386,288	NFA	11/30/02**	state	\$1,386,288	NFA	2001
600756	HARWICH	BRIDGE, Route 6 over Depot Street H-10-016	6/2/01	7/31/01	\$1,895,284	NFA	11/29/03**	state	\$1,895,284	NFA	2001
601930	MASHPREE	Route 28 FalTL to Rotary, Shoulders & Sidewalk	7/21/01	9/25/01	\$959,370	STP	11/30/02**	state	\$959,370	STP	2001
603304	ORLEANS, CCRT	BRIDGE, Route 6/ Cape Cod Rail Trail	7/14/01	9/18/01	\$2,754,491	CMAQ	11/30/02**	regional	\$2,350,000	CMAQ	2001
600392	SANDWICH	Route 130 Reconstruction & related	9/29/01	7/9/02	\$1,904,711	NFA		town	\$1,900,000	NFA	2001
2001 ADVERTISING PROGRAM									TOTAL	\$9,441,791	
601466	CHATHAM	Bike Spur, from HarTL by airport then to downtown Chatham	8/10/02	11/19/02	\$1,438,041	CMAQ		town	\$1,800,000	CMAQ	2002
602842	Dennis Harwich	Route 28 overlay	3/19/02	4/23/02	\$1,509,535	NFA	Jun 02-03	state	\$1,491,063	NFA	2002
602520	Eastham Wellfleet	Route 6, Traffic safety improvements	12/3/01	4/2/02	\$1,038,839	NFA	complete 2004	state	\$996,181	NFA	2002
602531	FALMOUTH	BRIDGE, Meadow Neck Rd over the Moonakis River #F-03-019	9/7/02	12/17/02	\$861,489	BR		town/state	\$861,489	BR	2002
602562	ORLEANS	Main St, Rock Harbor Rd & Old Colony Rd	9/28/02	1/7/03	\$362,181	NFA		town	\$362,181	NFA	2002
2002 ADVERTISING PROGRAM									TOTAL	\$5,510,914	
603427	BARNSTABLE	Route 6 Resurfacing and drainage improvements	9/16/03	1/6/04	\$4,000,000	STP	complete 2005	state	\$4,000,000	STP	2003
602559	ORLEANS	Skaket Corners, Rte. 6A @ West Rd / Eldredge Park Way	11/21/03	2/18/04	\$730,000	NFA	complete 2006	town	\$962,000	NFA	2003
2003 ADVERTISING PROGRAM									TOTAL	\$4,962,000	
603521	FALMOUTH	Shining Sea Bikeway Phase IIB, Skating Lane to Carlson Lane	7/17/04	9/8/04	\$672,000	CMAQ	7/2/05	town	\$423,450	CMAQ	2004
601916	BARNSTABLE	Bearse's Way, Route 28 norhterly to Pitcher's Way	8/7/04	12/14/04	\$1,651,000	STP	complete	town	\$1,757,596	STP	2004
603847	BOURNE	Sagamore Rotary Area Improvements Depot & temp P&R lot	7/24/04	9/8/04	\$5,000,000	STP	complete	state	\$3,475,470	STP	2004
603847	BOURNE	Sagamore Rotary Chapter 149 fire station construction	8/14/04			STP	complete	state	\$4,065,000	STP	2004
603847	BOURNE	Sagamore Rotary -- grade separation	8/14/04			STP	complete	state	\$36,336,000	STP	2004
602326	YARMOUTH	Willow Street Recons (Rte 6 to relocated Higgins Crowell Rd)	9/27/04	2/1/05	\$2,652,000	STP	complete	town	\$2,652,000	STP	2004
2004 ADVERTISING PROGRAM									TOTAL	\$48,709,516	

Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Advertising DATE	AWARD or BID OPENING DATE	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	Estimated cost or award amount	FUND advertised	YEAR advertised (FFY)
601441	BARNSTABLE	Route 132 Boulevard	9/17/05	12/20/06	\$10,000,000	STP	landscaping to be done	town	\$9,600,000	STP	2005
603813	EASTHAM-ORLEANS	Route 6 Resurfacing and related	7/23/05	fall '05	\$ 2,200,000	NFA	complete	state	\$2,200,000	NFA	2005
603349	FALMOUTH	WOODS HOLE BRIDGE	8/20/05	5/16/06	\$ 7,800,000	BR	complete	town	\$8,000,000	BR	2005
2005 ADVERTISING PROGRAM									TOTAL	\$19,800,000	
S117 earmark	BARNSTABLE	Hyannis Gateway / Main St. Lighting etc.	7/8/06			S117	complete	town	\$378,944	S117	2006
604091	DENNIS	Swan River Road reconstruction	8/12/06	9/25/07	\$2,395,528	CMAQ	complete	town	\$2,300,000	STP	2006
55400	FALMOUTH	Palmer Avenue BR	9/16/06	10/16/07		BR	awarded-terminated	state	\$1,500,000	STP	2006
603666	ORLEANS	Route 28 and Finlay Road intersection	9/9/06	7/24/07	\$645,524	STP	complete	town	\$590,000	STP	2006
604335	SANDWICH	Route 130/Water St and Main St Intersection TOWN HALL SQ	8/26/06	10/16/07	\$546,657	STP	complete	town	\$600,000	STP	2006
2006 ADVERTISING PROGRAM									TOTAL	\$5,368,944	
603520	FALMOUTH	Shining Sea Bikeway Ph III	9/1/07	3/25/08	\$3,631,123	CMAQ	7/09 complete	town	\$4,000,000	STP	2007
2007 ADVERTISING PROGRAM									TOTAL	\$4,000,000	
603894	BOURNE	Rte. 6 Scenic Highway at Edgehill Road	4/26/08		\$4,935,910	STP	complete	town	\$3,948,728	STP	2008
605037	DENNIS	Rte. 28 at Rte. 134 intersection improvements	9/20/08		\$843,000	CMAQ	complete	town	\$596,000	CMAQ	2008
604919	HARWICH	Rte. 124 at Queen Anne Road intersection improvements	8/2/08	11/13/08	\$1,200,000	CMAQ	complete	town	\$859,800	CMAQ	2008
CCNS	PROVINCETOWN	Rte. 6 at Province Lands Rd.	2/00/2008		\$2,500,000	Parks	complete	NPS	\$2,500,000	Parks	2008
602923	YARMOUTH	Packet Landing site improvements	7/15/08	9/9/08	\$633,436	HPP	complete	town	\$633,436	HPP	2008
2008 ADVERTISING PROGRAM									TOTAL	\$8,537,964	
604521	BARNSTABLE	Route 6A resurfacing	3/9/09	6/23/09	\$3,045,000	ARRA	complete	state	\$3,045,000	ARRA	2009
604914	BARNSTABLE	Rte. 132 Boulevard Landscaping	5/9/09	7/14/09	\$1,500,000	STP-E	REJECTED - ReADV	town	\$0	STP-E	2009
604914	BARNSTABLE	Rte. 132 Boulevard Landscaping	2/27/10	4/6/10	\$1,100,000	STP-E	NTP 7/8/10	town	\$783,933	STP-E	2009
604096	BARNSTABLE	Rte. 28 at 3 locations Rte. 149, So, County Rd., Lumbert Mill R	6/27/09	9/1/09	\$3,200,000	CMAQ	underway	town	\$3,200,000	CMAQ	2009
604224	BOURNE	Rte. 6 Scenic Highway resurfacing	4/4/09	4/21/09	\$1,651,519	ARRA	complete	state	\$1,651,519	ARRA	2009
	CAPE Safety	Hwy Safety Improvement Program DESIGN (Sand. Cotuit Harlo	9/1/09		\$458,514	HSIP	underway	state	\$458,514	HSIP	2009
605214	DENNIS	Route 6A resurfacing	5/16/09	6/16/09	\$1,680,620	ARRA	complete	state	\$1,680,620	ARRA	2009
603494	FALMOUTH	BRIDGE Chapoquoit Road BR#F-03-009 over W. Falm Harbor	8/8/09	11/10/09	\$3,000,000	BR	Spring 2012	town / state	\$2,667,948	BR	2009
603609	FALMOUTH	Route 28 Section known as "Reine's Corner"	9/26/09	12/17/09	\$2,000,000	STP	Spring 2011	state	\$1,237,500	STP	2009
2010 ADVERTISING PROGRAM									TOTAL	\$14,725,034	
604093	BARNSTABLE	Rte 149 at Rte 6 EB off-ramps, Roundabout construction	9/11/10	3/22/11	\$1,868,000	HSIP		state	\$1,300,000	HSIP	2010
604744	SANDWICH	Rte 130 at Rte 6 off-ramps, lconstruction traffic signals & improv	9/11/10	2/8/11	\$2,434,000	STP		state	\$1,521,000	STP	2010
605943	BOURNE-SANDWICH	ITS - Camera & equipment installation at Sagamore & Bourne B	9/11/10	1/19/11	\$1,000,000	STP		state	\$1,076,269	STP	2010
	CCRTA	Vehicles, equipment & terminal improvements	9/11/10	10/1/10	\$635,322	ARRA FTA	transferred	state	\$635,322	ARRA FTA	2010
2010 ADVERTISING PROGRAM									TOTAL	\$4,532,591	

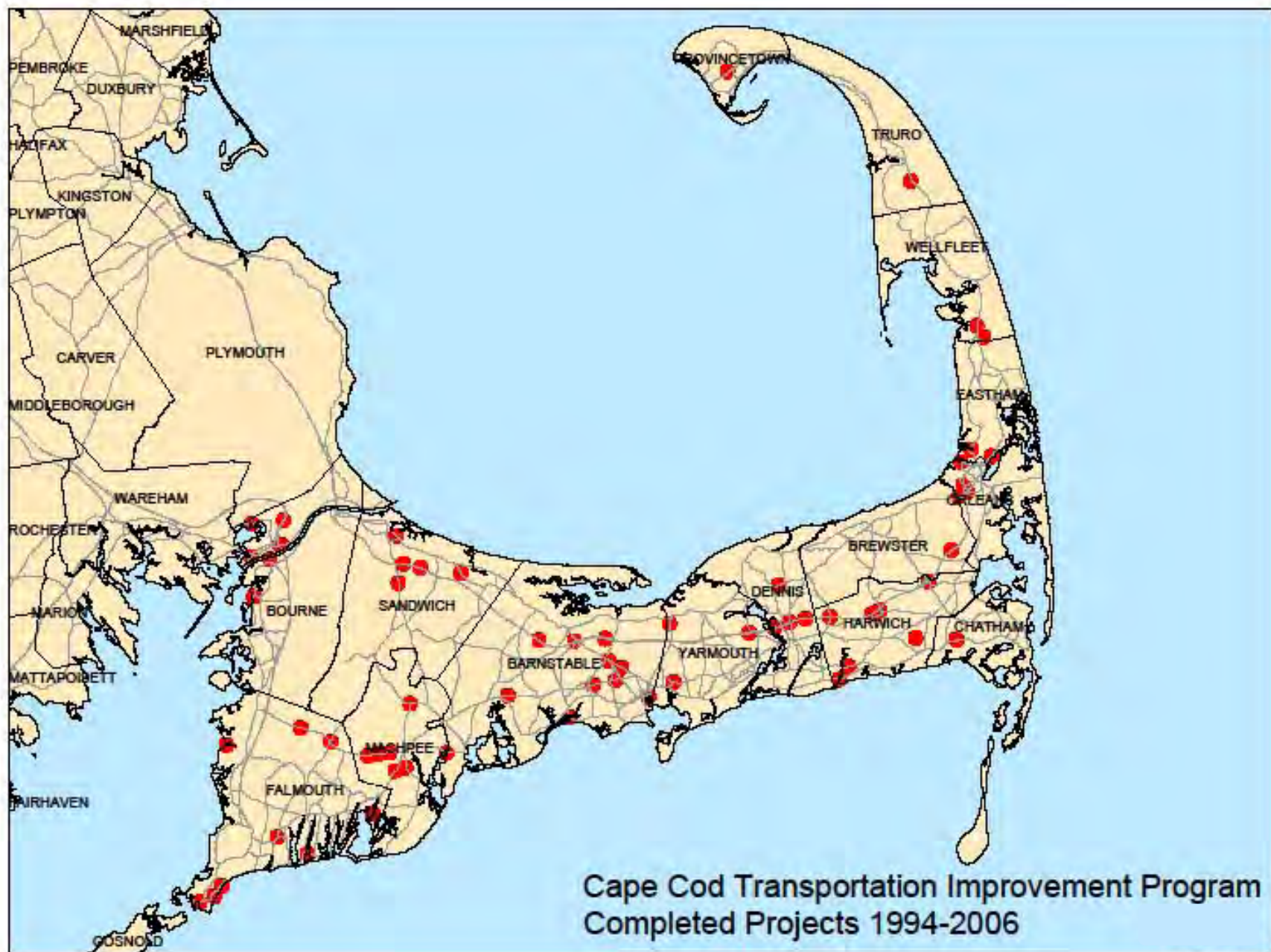
* proposed bid opening date

** proposed completion date for project

FEDERAL AID amount advertised or obligated (from FHWA sources) \$135,091,963

NON FEDERAL AID amount advertised or obligated (from state sources) \$32,250,971

TOTAL FHWA & NFA amount advertised or obligated only; CCRTA and/or other transit projects are not included here. **\$167,342,934**



Cape Cod Transportation Improvement Program

Federal Fiscal Year 2011			
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5307			
Planning	-	-	\$ -
Capital	\$ 3,150,000	\$ 3,150,000	\$ -
Operating	\$ 2,069,800	\$ 2,069,800	\$ -
Transit Enhancements	\$ 47,533	\$ 47,533	\$ -
sub-total	\$ 5,267,333	\$ 5,267,333	\$ -
Section 5307 Carryover	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 3,772,113	\$ 3,772,113	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 3,772,113	\$ 3,772,113	\$ -
TOTAL	\$ 9,039,446	\$ 9,039,446	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5311			
Capital	\$ -	\$ -	\$ -
Operating	\$ 46,018	\$ 46,018	\$ -
sub-total	\$ 46,018	\$ 46,018	\$ -
Section 5311 Carryover	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ -	\$ -	\$ -
TOTAL	\$ 46,018	\$ 46,018	\$ -
Section 5309	\$ -	\$ -	\$ -

Federal Fiscal Year 2012			
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5307			
Planning	-	-	\$ -
Capital	\$ 3,150,000	\$ 3,150,000	\$ -
Operating	\$ 2,903,665	\$ 2,903,665	\$ -
Transit Enhancements	\$ 48,959	\$ 48,959	\$ -
sub-total	\$ 6,102,624	\$ 6,102,624	\$ -
Section 5307 Carryover	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 3,078,562	\$ 3,078,562	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 3,078,562	\$ 3,078,562	\$ -
TOTAL	\$ 9,181,186	\$ 9,181,186	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5311			
Capital	\$ -	\$ -	\$ -
Operating	\$ 46,018	\$ 46,018	\$ -
sub-total	\$ 46,018	\$ 46,018	\$ -
Section 5311 Carryover	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ -	\$ -	\$ -
TOTAL	\$ 46,018	\$ 46,018	\$ -
Section 5309	\$ -	\$ -	\$ -

Federal Fiscal Year 2013			
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5307			
Planning	-	-	\$ -
Capital	\$ 2,100,000	\$ 2,100,000	\$ -
Operating	\$ 2,982,704	\$ 2,982,704	\$ -
Transit Enhancements	\$ 50,428	\$ 50,428	\$ -
sub-total	\$ 5,133,131	\$ 5,133,131	\$ -
Section 5307 Carryover	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 3,766,470	\$ 3,766,470	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 3,766,470	\$ 3,766,470	\$ -
TOTAL	\$ 8,899,601	\$ 8,899,601	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5311			
Capital	\$ -	\$ -	\$ -
Operating	\$ 46,018	\$ 46,018	\$ -
sub-total	\$ 46,018	\$ 46,018	\$ -
Section 5311 Carryover	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ -	\$ -	\$ -
TOTAL	\$ 46,018	\$ 46,018	\$ -
Section 5309	\$ -	\$ -	\$ -

Federal Fiscal Year 2014			
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5307			
Planning	-	-	\$ -
Capital	\$ 2,100,000	\$ 2,100,000	\$ -
Operating	\$ 2,982,704	\$ 2,982,704	\$ -
Transit Enhancements	\$ 50,428	\$ 50,428	\$ -
sub-total	\$ 5,133,131	\$ 5,133,131	\$ -
Section 5307 Carryover	\$ -	\$ -	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ 3,566,470	\$ 3,566,470	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 3,566,470	\$ 3,566,470	\$ -
TOTAL	\$ 8,699,601	\$ 8,699,601	\$ -
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5311			
Capital	\$ -	\$ -	\$ -
Operating	\$ 46,018	\$ 46,018	\$ -
sub-total	\$ 46,018	\$ 46,018	\$ -
Section 5311 Carryover	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ -	\$ -	\$ -
TOTAL	\$ 46,018	\$ 46,018	\$ -
Section 5309	\$ -	\$ -	\$ -

Cape Cod Transportation Improvement Program

STATUS OF FFY 2010 TRANSIT PROJECTS

Federal Funds

RTA	MPO	Section	Description	Federal Funds	Approval status	Grant#	Comments
CCRTA	Cape Cod	5309	Cape & Islands Transit Centers	\$295,104	approved	MA-03-0283-00	completed
CCRTA	Cape Cod	5307	FY06 Operating;FY07 Capital, Transit Enhancements	\$3,340,543	approved	MA-90-X492-00	completed
CCRTA	Cape Cod	5307	FY07 Operating;FY08 Capital, Transit Enhancements	\$3,885,017	approved	MA-90-X553-01	ongoing
CCRTA	Cape Cod	5307	FY08 Operating/FY09 Capital Budget	\$3,067,212	approved	MA-90-X556-00	ongoing
CCRTA	Cape Cod	5317	FY08 Mobility Management	\$66,191	approved	MA-57-X008-00	completed
CCRTA	Cape Cod	5320	FY08 Replacement Vehicles for P/T Shuttle	\$1,850,000	approved	MA-20-X002-00	ongoing
CCRTA	Cape Cod	5307	FY09 ARRA	\$6,353,000	approved	MA-96-X009-00	ongoing
CCRTA	Cape Cod	5307	FY09 Operating/FY10 Capital Budget	\$2,091,339	approved	MA-96-X009-00	ongoing
CCRTA	Cape Cod	5317	FY10 New Freedom Accessable Taxis	\$236,222	approved	MA-57-X0012-00	ongoing
CCRTA	Cape Cod	5307Flex	FY10 Replenish ARRA 2.6 MBTA compatable EFS	\$635,322	approved	MA-66-X009-00	ongoing
				\$21,819,950			

State Funds

RTA		Section	Description	State Funds	Approval status	Grant#	Comments
CCRTA	Cape Cod	MAP-32	Mobility Assistance-10MB/9Vans	\$1,033,022	approved	MA State Contract (EOTC)	completed
CCRTA	Cape Cod		RTACAP'09	\$365,177	approved	MA State Contract (EOTC)	completed
CCRTA	Cape Cod		RTACAP'10	\$162,404	approved	MA State Contract (EOTC)	ongoing
CCRTA	Cape Cod		5311 Operating Assistance	\$46,018	approved	MA State Contract (EOT)	<u>Completed</u>

C1. GLOSSARY

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
MEPA	Massachusetts Environmental Protection Act
MHD	Massachusetts Highway Department or MassHighway Department
MPO	Metropolitan Planning Organization or Cape Cod Metropolitan Planning Organization



CAPE COD
COMMISSION

NAAQS	National Ambient Air Quality Standards
NFA	Non Federal Aid
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
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



C2. 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. An August meeting of the MPO is expected for endorsement consideration.

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

Mailed or dropped off:

**Cape Cod Commission Transportation Program
Priscilla Leclerc, Senior Transportation Planner
3225 Main Street (Route 6A)
PO Box 226
Barnstable, MA 02630-0226**

Sent by facsimile to the attention of **Priscilla Leclerc, Senior Transportation Planner, CCC: FAX: 508-362-3136**

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

Comments / Questions received on this TIP Amendment: {response} {}

January 3, 2011, Monday, via telephone, Paul Maloney, FHWA, had the following comments/questions (paraphrased) on the Draft TIP Amendment:

- 1) For the funds for the CCRTA demonstration services, on page 20, the full cost is not shown. {The amount shown is what is to be transferred to FTA, and the remaining cost is coming out of the transit side of the TIP. It was agreed that a note should be added on the "Highway" side tables.}
- 2) On page 23 under Section 2B Non-Federally Aided Bridges, the amount for the Chatham bridge replacement should be shown in the Non-Federal column in addition to the total cost column. {This correction will be made to the page 23 spreadsheet in the Draft.}



DEVAL L. PATRICK
GOVERNOR
TIMOTHY P. MURRAY
LT. GOVERNOR
JEFFREY B. MULLAN
SECRETARY & CEO



December 22, 2010



Ms. Priscilla N. Leclerc
Senior Transportation Planner
Cape Cod Commission
3225 Main Street
P.O. Box 226
Barnstable, MA 02630-0226

**Subject: Proposed FFY 2011 TIP Amendment : CMAQ/Flex Funding proposal to FTA
(Proposed New Transit Demonstration Services – Bourne to Sandwich; Bourne to
Falmouth)**

Dear Ms. Leclerc:

I am writing to inform you about our opposition to an action of the Cape Cod Metropolitan Planning Organization (MPO) that occurred at a meeting held December 9, 2010. A proposed amendment to the FFY 2011 Congestion Mitigation/Air Quality (CMAQ) Element of the current regional Transportation Improvement Program (TIP) was introduced by the Cape Cod Commission (CCC) staff of the MPO. It was proposed to flex potential FHWA highway funding in the amount of \$267,000 to the Federal Transit Administration for the purpose of providing new transit demonstration services on Cape Cod.

The subject amendment was approved by a near unanimous vote of the MPO subject to the amended TIP document undergoing a thirty day public comment period. The amendment was approved despite objections raised and one dissenting vote cast by the District Five Project Development Engineer, Pamela R. Haznar, acting on behalf of Administrator Paiewonsky.

There are two highway oriented projects programmed in FFY 2011 Program Year currently at the 25% design stage. The estimates are considered preliminary and have the potential to increase as the projects develop and the designs are refined. A fiscal constraint issue may result if the proposed transit demonstration services are allowed to be programmed in the TIP.

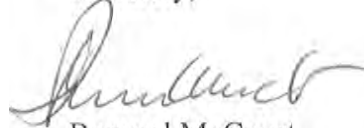
While the proposed transit demonstration services are an eligible use of CMAQ funds, there are better opportunities for the use of funds targeted for highway projects, namely intersection, bicycle and pedestrian improvement projects. The Federal highway funding targets that are currently made available to each region are insufficient to meet the growing number of Project Need Forms (PNF) we process on a quarterly basis that address safety, congestion and multi-modal needs.

www.mass.gov/massdot

Voting to approve the amendment at this time is premature as it may jeopardize the highway projects currently on the TIP and impede the use of funds that may become available for highway use.

If you have any questions, concerns or need additional information, please contact me or Pamela R. Haznar, P.E., District Project Development Engineer, at (508) 884-4239.

Sincerely,

A handwritten signature in dark ink, appearing to read "Bernard McCourt", written in a cursive style.

Bernard McCourt
District Highway Director

TJK/tjk:

BMcC

PRH

Ms. Luisa Paiewonsky, MassDOT Administrator

Mr. David Mohler, Director, MassDOT Office of Transportation Planning

Ms. Callida Cenizal, MassDOT Office of Transportation Planning

Mr. Paul Maloney, Planning Engineer, FHWA, Massachusetts Division

Plymouth & Brockton street Railway Company
8 Industrial Park Road
Plymouth, MA 02360

December 9, 2010

To the following Cape Cod Metropolitan Planning Organization Members:

Jeffrey B. Mullan, Secretary and Chief Executive Officer, Massachusetts Dept. of Transportation
Luisa Paiewonsky, Administrator, Massachusetts Department of Transportation Highway Division
Ronald Bergstrom, Chair, Cape Cod Regional Transit Authority
John Harris, Cape Cod Commission
Frederick Chirigotis, President, Barnstable Town Council
William Doherty, Barnstable County Commissioners
Wayne Taylor, Mashpee Selectman, for Bourne, Falmouth, Mashpee, Sandwich
Lawrence Cole, Harwich Selectman, for Brewster, Chatham, Dennis, Harwich, Yarmouth
Aimee Eckman, Eastham Selectman, for Eastham, Orleans, Provincetown, Truro, Wellfleet

Regarding: The Cape Cod Transportation Improvement Program (TIP) Amendment for Federal Fiscal Year 2011-2014

Task 4.3 – Intercity Seasonal Rail Connector

Over the years we have supported the Cape Cod Commission and the Cape Cod Regional Transit Authority and the valuable local services they provide. That being said, however, there still exists a lack of tangible support shown toward the privately operated carriers which include planning efforts, procurement processes, and infringement on routes. This has been frustrating. Our expectation was that with the introduction of new administration in both these organizations, the process of building a coordinated transportation system on the Cape would begin that would support all modes of transportation, both public and private. Although discussions have been initiated and cooperative effort expressed there continues to be minimal changes in the approach to either complying with the law or mitigating the damage that it has been caused to our pre-existing mass transportation systems. Further, they continue to forge ahead with new routes and facilities as if we were in competition.

Additionally, the intercity seasonal rail connector project is currently being introduced without consideration or study of private bus or other alternative modes. It is unfair to the existing users of these systems that many other needs for regional service improvements, like improvements to the Rt. 132 park and ride lot, or a study of "bus on shoulder" HOV lanes to and from Cape bridges are not being considered. Most distressing of all is that "weekend only," and "summer only" train service would be the ultimate case of 'cream skimming'. This would leave buses to provide less profitable but essential service to Cape residents during the off-season without the funds it received during the profitable season needed to sustain these services.

The intended rail expansion project, as proposed, contravenes federal policies regarding the promotion and preservation of existing private sector mass transportation routes and services (Title 49 USC §5306 & §5323). Section 5323 states that federal assistance is given to a state authority for mass transportation only if the program "to the maximum extent feasible, provides for the participation of private mass transportation companies"; and that "just compensation under State or local law will be paid to the company for its franchise".

The proposed service also appears to be in violation of both chapters 159A and 161B of the Massachusetts General Laws which, in conjunction, govern regular route common carrier services which were operated pursuant to Department of Public Utilities (DPU) certificates of public convenience and necessity prior to the formation of a particular regional transit authority. Pursuant to this law, private operators are entitled to operate "the same route or routes and levels of service" as they operated prior to the transit authority's formation.

P&B and Bonanza/Peter Pan have steadfastly provided comparable environmental benefits and congestion relief taking thousands of cars off the road every day. Engine emissions and fuel products are cleaner every year and we continue to receive the highest safety ratings from the DOT. Bus travel is ADA accessible and offers more flexibility than rail since it can accommodate ever-changing population shifts. We deserve recognition for the contributions we, as dedicated, hard-working and civic-minded private carriers have provided for many years to the economy and the livelihood and mobility options for many of its citizens. Further, we contribute hundreds of thousands of dollars yearly in direct tax monies and regulatory fees to the Commonwealth which will be jeopardized in favor of an additionally new tax-draining enterprise.

The impact to existing private bus carriers will be loss of passengers and revenue to the carrier's owners, loss of future earning potential and jobs for their current employees, and of special importance, increased fares and loss of bus service to Cape Cod. Federal and State laws protect private carriers from encroachment over their pre-established routes. These laws along with union labor laws require compensation to the disenfranchised carriers and their employees. How thoroughly have these associated mitigation expenses been considered? It would seem a decision to proceed with a publicly financed competing service should be carefully scrutinized before hastily awarding funding.

Respectfully,

Plymouth & Brockton Street Railway company

Chris Anzuoni

Vice President

MassDOT - Highway Division
Summary of Operating and Maintenance Expenditures
Cape Cod - Part 1: Non Federal Aid

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

7/14/2010

Program Group/Sub Group	SFY 2008 Expenditures	SFY 2009 Expenditures	SFY 2010 Expenditures
01 - Bridge Repair & Replacement			
New Bridge (Excluded)			
Bridge Replacement (Excluded)			
Bridge Reconstruction/Rehab	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ -	\$ -	\$ -
Structure Maintenance	\$ -	\$ -	\$ -
02 - Bridge Painting			
Painting - Structural	\$ -	\$ -	\$ -
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)			
Hwy Recon. - Added Capacity(Excluded)			
Hwy Recon - Added Capacity(Excluded)			
New Construction (Excluded)			
Hwy Reconstr - Restr and Rehab	\$ -	\$ -	\$ -
Hwy Reconstr - No Added Capacity	\$ -	\$ -	\$ -
Hwy Reconstr - Minor Widening	\$ -	\$ -	\$ -
04 - Roadway Resurfacing			
Resurfacing	\$ -	\$ -	\$ -
05 - Intersection & Safety			
Impact Attenuators	\$ -	\$ -	\$ -
Safety Improvements	\$ -	\$ -	\$ -
Traffic Signals	\$ -	\$ -	\$ -
06 - Signs & Lighting			
Lighting and Electrical	\$ -	\$ -	\$ -
Sign Installation / Upgrading	\$ -	\$ -	\$ -
Structural Signing	\$ -	\$ -	\$ -
Vertical Construction	\$ -	\$ -	\$ -
07 - Guardrail			
Guard Rail and Fencing	\$ -	\$ -	\$ -
08 - Maintenance			
Catch Basin Cleaning	\$ -	\$ -	\$ -
Crack Sealing	\$ -	\$ -	\$ -
Landscape and Roadside Develop	\$ -	\$ -	\$ -
Mowing and Spraying	\$ -	\$ -	\$ -
Pavement Marking	\$ -	\$ -	\$ -
Sewer and Water	\$ -	\$ -	\$ -
Process / Recycle / Trnsprt Soils	\$ -	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ -	\$ -
09 - Facilities			
Chemical Storage Sheds	\$ -	\$ -	\$ -
Vertical Construction	\$ -	\$ -	\$ -
10 - Bikeways (Excluded)			
11 - Other			
Miscellaneous / No prequal	\$ -	\$ -	\$ -
Asbestos Removal	\$ -	\$ -	\$ -
Demolition	\$ -	\$ -	\$ -
Drilling and Boring	\$ -	\$ -	\$ -
Section I Total:	\$ -	\$ -	\$ -

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

12 - Snow and Ice Operations & Materials	\$ -	\$ -	\$ -
13 - District Maintenance	\$ -	\$ -	\$ -
(Mowing, Litter Management, Sight Distance Clearing, Etc.)			
Section II Total:	\$ -	\$ -	\$ -
Grand Total Non Federal Aid:	\$ -	\$ -	\$ -

MassDOT - Highway Division
Summary of Operating and Maintenance Expenditures
Cape Cod Region - Part 2: Federal Aid

Section I - Federal Aid Maintenance Projects

7/14/2010

Program Group/Sub Group	SFY 2008 Federal Aid Expenditures	SFY 2009 Federal Aid Expenditures	SFY 2010 Federal Aid Expenditures
01 - Bridge Repair & Replacement			
New Bridge (Excluded)			
Bridge Replacement (Excluded)			
Bridge Reconstruction/Rehab	\$ 1,692,924	\$ 746,963	\$ 703,383
Structure Maintenance	\$ -	\$ -	\$ 2,784,469
02 - Bridge Painting	\$ -	\$ -	\$ -
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)			
Hwy Recon. - Added Capacity(Excluded)			
Hwy Recon - Added Capacity(Excluded)			
New Construction (Excluded)			
Hwy Reconstr - Restr and Rehab	\$ 1,945,551	\$ 9,179,072	\$ 203,152
Hwy Reconstr - No Added Capacity	\$ 464,245	\$ 632,503	\$ 1,914,028
Hwy Reconstr - Minor Widening	\$ 496,621	\$ 131,935	\$ 2,188
04 - Roadway Resurfacing			
Resurfacing	\$ 174,460	\$ 1,214,678	\$ 2,858,210
05 - Intersection & Safety			
Impact Attenuators	\$ 2,579	\$ 4,041	\$ -
Safety Improvements	\$ 4,466,625	\$ 1,549,141	\$ 228,497
Traffic Signals	\$ 3,295	\$ 7,893	\$ 334,908
06 - Signs & Lighting			
Lighting and Electrical	\$ 259,862	\$ 64,966	\$ 1,440
Sign Installation / Upgrading	\$ 268,302	\$ 135,948	\$ 65,316
07 - Guardrail			
Guard Rail and Fencing	\$ 20,283	\$ 63,252	\$ -
08 - Maintenance			
Contract Highway Maintenance	\$ 3,531	\$ 1,430	\$ -
Landscape and Roadside Develop	\$ 593,909	\$ 290,620	\$ 487,443
Pavement Marking	\$ -	\$ 41	\$ 308,991
09 - Facilities			
Vertical Construction	\$ 916,497	\$ 229,124	\$ 64,561
10 - Bikeways (Excluded)			
11 - Other			
Intelligent Transportation Sys	\$ 101,489	\$ 79,448	\$ -
Miscellaneous / No prequal	\$ 8,187	\$ 37,628	\$ -
Reclamation	\$ -	\$ -	\$ -
Unknown	\$ -	\$ 54	\$ 149,811
Section I Total	\$ 11,418,360	\$ 14,368,737	\$ 10,106,397

Section II - Federal Aid Highway Operations

12 - Other			
ITS Operations - I-93 HOV Lane Operation and Towing	\$ -	\$ -	\$ -
ITS Operations - Traffic Operations Center (South Boston)	\$ -	\$ -	\$ -
Total:	\$ -	\$ -	\$ -
Grand Total Federal Aid:	\$ 11,418,360	\$ 14,368,737	\$ 10,106,397



C4. FINANCIAL INFORMATION

The following pages include financial information for the Transportation Improvement Programs around the state, including statewide items and estimated available funds for Cape Cod. This financial information was received in June 2010.

This latest available financial information was used for development of this TIP for FFY 2011-2014.



Deval L. Patrick, Governor
Timothy P. Murray, Lt. Governor
Jeffrey B. Mullan, Secretary & CEO

massDOT
Massachusetts Department of Transportation

March 4, 2011

Richard Marquis
Acting Division Administrator
Federal Highway Administration
55 Broadway – 10th floor
Cambridge, Massachusetts 02142

Dear Mr. Marquis:

On behalf of Secretary Jeffrey B. Mullan, I am writing to request your approval of the attached highway actions (10.01-10.03) pertaining to the Federal Fiscal Years (FFY) 2011-2014 State Transportation Improvement Program (STIP). These actions reduce the total amount of federal funding programmed in the FFY2011 element of the FFY2011-2014 STIP by \$40 million and is needed to comply with revised funding estimates and to maintain financial constraint.

In your letter approving the FFY 2011-2014 STIP, FHWA and FTA instructed the Commonwealth to reduce its estimated FFY2011 funding by \$40 million, which represented the estimated amount of redistributed funds that the state anticipated receiving through the August Redistribution process. This \$40 million had been incorporated into the overall projected FFY2011 federal funding amount which was used in the development of the FFY2011-2014 STIP and displayed in the attached table Title 23 – Transportation Funding State Highway Funding Program Federal Fiscal Year 2011 Federal Regional Targets.

As you know, a provision of the American Recovery and Reinvestment Act (ARRA) of 2009 required each state to certify through a Maintenance of Effort (MOE) agreement that certain projects would be completed with received ARRA funds and while others would be completed with other provided federal highway funds. This STIP amendment is necessary because the state did not maintain its certified level of expenditures as stated in the MOE, and is therefore ineligible to participate in the August 2011 redistribution process. To accomplish this, the Commonwealth chose to reduce three of its FFY 2011 statewide categories, as depicted in the table below:

Federal -Aid Only

<i>Category</i>	<i>programmed</i>	<i>revised</i>	<i>balance</i>
Regional major infrastructure	\$32,000,000	\$2,200,000	\$29,800,000
Congestion mitigation/air quality	\$10,000,000	\$1,720,000	\$ 8,280,000
Extra work orders	\$35,000,000	\$33,080,000	\$ 1,920,000
			\$40,000,000

These actions do not require air quality conformity determinations. If you have any questions, please call me at (617) 973-7844.

Sincerely,



David J. Mohler
Executive Director
Office of Transportation Planning

cc: Clinton Bench, Deputy Executive Director
Mark Guenard, Manager, MPO Activities
David Anderson, Deputy Chief Engineer, Projects
William Gordon, Federal Transit Administration
Paul Maloney, Federal Highway Administration
Jim Cope, Office of Transportation Planning

FFY 2011-2014
HIGHWAY ACTIONS

3/4/11 10:09 AM

PROJECT INFORMATION				CURRENT STATUS				REVISED STATUS				MPO INFORMATION		
#	MPO	ID #	Location	Description	Source	Total	Federal	FFY	Source	Total	Federal	FFY	MPO Action	Date
10.01	statewide	456123	statewide	regional major infrastructure program	STP	\$40,000,000	\$32,000,000	2011	STP	\$2,750,000	\$2,200,000	2011	reduce by \$29,800,000	equals \$40,000,000
10.02	statewide	451502	statewide	statewide CMAQ program	CMAQ	\$12,500,000	\$10,000,000	2011	CMAQ	\$2,150,000	\$1,720,000	2011	reduce by \$8,280,000	
10.03	statewide	457533	statewide	statewide extra work orders; award adjustments; etc	STP	\$43,750,000	\$35,000,000	2011	STP	\$41,350,000	\$33,080,000	2011	reduce by \$1,920,000	

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2011
FEDERAL REGIONAL TARGETS
June 9, 2010

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$40,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
Central Artery/Tunnel Obligation Authority	(159,365,000)		
Total Non-Earmarked Available Statewide - (Including Redistribution)	440,635,000	98,408,750	539,043,750
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	10,000,000	\$2,500,000	\$12,500,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS (Incl. Rte I-91 A/C \$4.7M)	9,300,000	\$2,325,000	\$11,625,000
Statewide Design and Right of Way	0	\$0	\$0
Statewide Interstate Maintenance Program	63,000,000	\$7,000,000	\$70,000,000
Statewide NHS Preservation Program	11,600,000	\$2,900,000	\$14,500,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	25,000,000	\$6,250,000	\$31,250,000
Subtotal Statewide Infrastructure Items:	\$135,526,400	\$23,631,600	\$159,158,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$102,186,662	\$25,546,666	\$127,733,328
Total Regional Targets:	\$111,521,938	\$27,880,485	\$139,402,423
Minimum Regional CMAQ Component:	\$10,000,000	\$2,500,000	\$12,500,000
Minimum Regional HSIP Component:	\$8,000,000	\$2,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match
Berkshire Region	3.5596	\$355,964	\$444,956	\$4,962,230
Boston Region	42.9671	\$4,296,710	\$5,370,888	\$59,897,183
Cape Cod	4.5851	\$458,514	\$573,143	\$6,391,798
Central Mass	8.6901	\$869,013	\$1,086,266	\$12,114,253
Franklin Region	2.5397	\$253,975	\$317,468	\$3,540,467
Martha's Vineyard	0.3100	\$30,997	\$38,746	\$432,104
Merrimack Valley	4.4296	\$442,956	\$553,695	\$6,174,910
Montachusett	4.4596	\$445,955	\$557,444	\$6,216,726
Nantucket	0.2200	\$21,998	\$27,497	\$306,655
Northern Middlesex	3.9096	\$390,961	\$488,701	\$5,450,090
Old Colony	4.5595	\$455,954	\$569,943	\$6,356,115
Pioneer Valley	10.8099	\$1,080,992	\$1,351,240	\$15,069,289
Southeastern Mass	8.9601	\$896,010	\$1,120,013	\$12,490,602
Total:	100.00	\$10,000,000	\$12,500,000	\$139,402,423

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation



Deval L. Patrick, Governor
Timothy P. Murray, Lt. Governor
Jeffrey B. Mullan, Secretary & CEO

massDOT
Massachusetts Department of Transportation

March 4, 2011

Mary Beth Mello
Regional Administrator
Federal Transit Administration
55 Broadway – 9th floor
Cambridge, Massachusetts 02142

Dear Ms. Mello:

On behalf of Secretary Jeffrey B. Mullan, I am writing to request your approval of the attached highway actions (10.01-10.03) pertaining to the Federal Fiscal Years (FFY) 2011-2014 State Transportation Improvement Program (STIP). These actions reduce the total amount of federal funding programmed in the FFY2011 element of the FFY2011-2014 STIP by \$40 million and is needed to comply with revised funding estimates and to maintain financial constraint.

In your letter approving the FFY 2011-2014 STIP, FHWA and FTA instructed the Commonwealth to reduce its estimated FFY2011 funding by \$40 million, which represented the estimated amount of redistributed funds that the state anticipated receiving through the August Redistribution process. This \$40 million had been incorporated into the overall projected FFY2011 federal funding amount which was used in the development of the FFY2011-2014 STIP and displayed in the attached table Title 23 – Transportation Funding State Highway Funding Program Federal Fiscal Year 2011 Federal Regional Targets.

As you know, a provision of the American Recovery and Reinvestment Act (ARRA) of 2009 required each state to certify through a Maintenance of Effort (MOE) agreement that certain projects would be completed with received ARRA funds while others would be completed with other provided federal highway funds. This STIP amendment is necessary because the state did not maintain its certified level of expenditures as stated in the MOE, and is therefore ineligible to participate in the August 2011 redistribution process. To accomplish this, the Commonwealth chose to reduce three of its FFY 2011 statewide categories, as depicted in the table below:

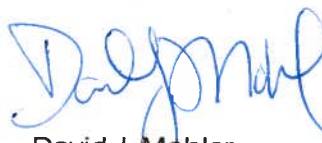
Ten Park Plaza, Suite 3170, Boston, MA 02116
Tel: 617-973-7000, TDD: 617-973-7306
www.mass.gov/massdot

Federal -Aid Only

<i>Category</i>	<i>programmed</i>	<i>revised</i>	<i>balance</i>
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These actions do not require air quality conformity determinations. If you have any questions, please call me at (617) 973-7844.

Sincerely,



David J. Mohler
Executive Director
Office of Transportation Planning

cc: Clinton Bench, Deputy Executive Director
Mark Guenard, Manager, MPO Activities
David Anderson, Deputy Chief Engineer, Projects
William Gordon, Federal Transit Administration
Paul Maloney, Federal Highway Administration
Jim Cope, Office of Transportation Planning

FFY 2011-2014
HIGHWAY ACTIONS

3/4/11 10:09 AM

PROJECT INFORMATION														
PROJECT INFORMATION				CURRENT STATUS				REVISED STATUS				MPO INFORMATION		
#	MPO	ID #	Location	Description	Source	Total	Federal	FFY	Source	Total	Federal	FFY	MPO Action	Date
10 01	statewide	456123	statewide	regional major infrastructure program	STP	\$40,000,000	\$32,000,000	2011	STP	\$2,750,000	\$2,200,000	2011	reduce by \$29,800,000	equals \$40,000,000
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Statewide Highway-Funded Program

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FEDERAL REGIONAL TARGETS
June 9, 2010

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Base Obligation Authority	\$560,000,000		
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Statewide STP - Safety Program	0	\$0	\$0
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Statewide ITS (Incl. Rte I-91 A/C \$4.7M)	9,300,000	\$2,325,000	\$11,625,000
Statewide Design and Right of Way	0	\$0	\$0
Statewide Interstate Maintenance Program	63,000,000	\$7,000,000	\$70,000,000
Statewide NHS Preservation Program	11,600,000	\$2,900,000	\$14,500,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
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Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328
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Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$102,186,662	\$25,546,666	\$127,733,328
Total Regional Targets:	\$111,521,938	\$27,880,485	\$139,402,423
Minimum Regional CMAQ Component:	\$10,000,000	\$2,500,000	\$12,500,000
Minimum Regional HSIP Component:	\$8,000,000	\$2,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match
Berkshire Region	3.5596	\$355,964	\$444,956	\$4,962,230
Boston Region	42.9671	\$4,296,710	\$5,370,888	\$59,897,183
Cape Cod	4.5851	\$458,514	\$573,143	\$6,391,798
Central Mass	8.6901	\$869,013	\$1,086,266	\$12,114,253
Franklin Region	2.5397	\$253,975	\$317,468	\$3,540,467
Martha's Vineyard	0.3100	\$30,997	\$38,746	\$432,104
Memmick Valley	4.4296	\$442,956	\$553,695	\$6,174,910
Montachusett	4.4596	\$445,955	\$557,444	\$6,216,726
Nantucket	0.2200	\$21,998	\$27,497	\$306,655
Northern Middlesex	3.9096	\$390,961	\$488,701	\$5,450,090
Old Colony	4.5595	\$455,954	\$569,943	\$6,356,115
Pioneer Valley	10.8099	\$1,080,992	\$1,351,240	\$15,069,289
Southeastern Mass	8.9601	\$896,010	\$1,120,013	\$12,490,602
Total:	100.00	\$10,000,000	\$12,500,000	\$139,402,423

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation



U.S. Department
of Transportation
**Federal Highway
Administration**

Massachusetts Division

May 24, 2010

55 Broadway, 10th Floor
Cambridge, MA 02142
617.494-3657
617.494.3355 (fax)
www.fhwa.dot.gov/madiv

In Reply Refer To:
HPE-MA

Mr. David J. Mohler, Executive Director
Office of Transportation Planning
Massachusetts Department of Transportation
10 Park Plaza, Room 4150
Boston, MA 02116-3969

Subject: Revised Financial Guidance for the FY 2011-2014 TIPs/STIP

Dear Mr. Mohler:

The purpose of this letter is to revise the financial guidance for developing the FY 2011-2014 Transportation Improvement Programs (TIPs)/Statewide Transportation Improvement Program (STIP).

The estimate of Federal funds to be considered for programming is contingent on authorizing legislation, either an extension of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), or a new highway bill. For the six core Federal-Aid Highway Programs, the estimated obligation authority (OA) for FY 2011, 2012, 2013 and 2014 is \$560 million per year. The estimated redistributed OA is \$40 million per year for a total of \$600 million for each program year in the STIP.

Please ensure that regionally significant projects in the transportation air quality conformity model are only projects that were approved for implementation in the Regional Transportation Plans (RTP). Studies and illustrative projects that were not approved for implementation by the Metropolitan Planning Organizations (MPOs) are not eligible for programming in the TIPs/STIP. In the development of the STIP, it is recommended that the State consult with all three agencies, the Environmental Protection Agency (EPA), Federal Transit Administration (FTA) and the Federal Highway Administration (FHWA) so that only projects in the MPO RTP financial plans are included in the transportation model. To ensure adequate public review, please include the air quality conformity in the Draft MPO TIPs.

The FHWA and our other Federal partners look forward to working with you on the development of the FY 2011-2014 STIP and please contact us if you have any questions.

Sincerely,
Lucy Garliauskas
Division Administrator


By: Michael Chong
Planning and Environment Program Manager

cc: FTA Region I
EPA Region I



Summary of Proposed FFY 2010 - 2014 MPO Targets

6/9/2010

	Current 2010	Current 2011	Proposed 2011	Current 2012	Proposed 2012	Current 2013	Proposed 2013	Proposed 2014
Base Obligation Authority	\$532,000,000	\$532,000,000	\$560,000,000	\$532,000,000	\$560,000,000	\$532,000,000	\$560,000,000	\$560,000,000
Special Bridge Program O/A, as Estimated by FHWA	\$0							
Redistribution, as Estimated by FHWA	\$37,000,000	\$37,000,000	\$40,000,000	\$37,000,000	\$40,000,000	\$37,000,000	\$40,000,000	\$40,000,000
Total Estimated Obligation Authority Available:	\$569,000,000	\$569,000,000	\$600,000,000	\$569,000,000	\$600,000,000	\$569,000,000	\$600,000,000	\$600,000,000
Central Artery/Tunnel Obligation Authority	-\$151,290,000	-\$159,365,000	-\$159,365,000	-\$165,960,000	-\$165,960,000	-\$176,555,000	-\$176,555,000	-\$183,795,000
Total Non-Earmarked O/A Available Statewide	\$417,710,000	\$409,635,000	\$440,635,000	\$403,040,000	\$434,040,000	\$392,445,000	\$423,445,000	\$416,205,000
Total Non-Earmarked Available Statewide (Including State Match)	\$511,433,611	\$502,106,250	\$539,043,750	\$493,862,500	\$524,862,500	\$408,306,250	\$511,056,250	\$504,066,250
Statewide Infrastructure Items:								
Statewide Infrastructure Program (Includes Noise Barriers)	\$1,500,000	\$1,500,000	\$6,000,000	\$1,500,000	\$1,500,000	\$6,000,000	\$6,000,000	\$6,000,000
Statewide Safety Program	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide HSIP Program	\$2,500,000	\$2,500,000	\$5,000,000	\$2,500,000	\$2,500,000	\$5,000,000	\$5,000,000	\$5,000,000
Statewide Safe Routes to Schools Program	\$3,260,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000
Statewide CMAQ	\$3,800,000	\$9,500,000	\$12,500,000	\$9,500,000	\$9,500,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Transportation Enhancements	\$500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$500,000	\$500,000	\$500,000
Statewide Recreational Trails	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000
Statewide ITS Includes Rte I-91 in 2010 & 2011	\$12,687,500	\$11,625,000	\$11,625,000	\$6,375,000	\$6,375,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Design and Right of Way	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$3,000,000	\$3,000,000
Statewide Interstate Maintenance Program	\$72,611,111	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000
Statewide NHS Preservation Program	\$14,500,000	\$14,500,000	\$14,500,000	\$12,000,000	\$12,000,000	\$9,178,750	\$9,178,750	\$9,178,750
Statewide Railroad Grade Crossings	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
Statewide Transit	\$37,500,000	\$31,250,000	\$31,250,000	\$25,000,000	\$25,000,000	\$0	\$0	\$0
Subtotal Statewide Infrastructure Items:	\$154,141,611	\$149,158,000	\$159,158,000	\$135,158,000	\$135,158,000	\$110,961,750	\$110,961,750	\$110,961,750
Other Statewide Items:								
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$45,000,000	\$43,750,000	\$45,000,000
Planning	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Statewide Items:	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000	\$68,000,000	\$66,750,000	\$68,000,000
Regional Major Infrastructure Projects:	\$41,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000
Bridge Program:								
Statewide Bridge Repl. / Rehab Program	\$111,545,828	\$113,045,828	\$121,483,328	\$116,795,828	\$116,795,828	\$121,483,328	\$121,483,328	\$121,483,328
Statewide Bridge Preservation Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide Bridge Inspection Program	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$117,795,828	\$119,295,828	\$127,733,328	\$123,045,828	\$123,045,828	\$127,733,328	\$127,733,328	\$127,733,328
Regional Targets:								
Minimum Regional CMAQ Component:	\$0	\$0	\$12,500,000	\$0	\$0	\$20,000,000	\$20,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$121,746,173	\$116,902,423	\$116,902,423	\$118,908,673	\$118,908,673	\$103,611,173	\$103,611,173	\$103,611,173
Total Regional Target (Un-Adjusted)	\$131,746,173	\$126,902,423	\$139,402,423	\$128,908,673	\$128,908,673	\$133,611,173	\$133,611,173	\$133,611,173
Year of Expenditure factor					4%		8.16%	12.48%
Total Regional Target with Year of Expenditure adjustment					123,752,326		122,708,501	116,936,498

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2010
FEDERAL REGIONAL TARGETS
June 9, 2010

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$532,000,000		
Redistribution, as Estimated by FHWA	\$37,000,000		
Total Estimated Obligation Authority Available:	\$569,000,000		
Central Artery/Tunnel Obligation Authority	(151,290,000)		
Total Non-Earmarked Available Statewide - (Including Redistribution)	417,710,000	93,723,611	511,433,611
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$1,200,000	\$300,000	\$1,500,000
Statewide STP - Safety Program	3,600,000	\$400,000	\$4,000,000
Statewide HSIP Program	2,250,000	\$250,000	\$2,500,000
Statewide Safe Routes to Schools Program	3,260,000	\$0	\$3,260,000
Statewide CMAQ	3,040,000	\$760,000	\$3,800,000
Statewide Transportation Enhancements	400,000	\$100,000	\$500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS (Incl. Rte I-91 A/C \$4.6 M)	10,150,000	\$2,537,500	\$12,687,500
Statewide Design and Right of Way	0	\$0	\$0
Statewide Interstate Maintenance Program	65,350,000	\$7,261,111	\$72,611,111
Statewide NHS Preservation Program	11,600,000	\$2,900,000	\$14,500,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	30,000,000	\$7,500,000	\$37,500,000
Subtotal Statewide Infrastructure Items:	\$131,876,400	\$22,265,211	\$154,141,611
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$32,800,000	\$8,200,000	\$41,000,000
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	\$89,236,662	\$22,309,166	\$111,545,828
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$94,236,662	\$23,559,166	\$117,795,828
Total Regional Targets:	\$105,396,938	\$26,349,235	\$131,746,173
Minimum Regional CMAQ Component:	\$0	\$0	\$0
Minimum Regional HSIP Component:	\$8,000,000	\$2,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match
Berkshire Region	3.5596	\$355,964	\$0	\$4,689,695
Boston Region	42.9671	\$4,296,710	\$0	\$56,607,514
Cape Cod	4.5851	\$458,514	\$0	\$6,040,748
Central Mass	8.6901	\$869,013	\$0	\$11,448,915
Franklin Region	2.5397	\$253,975	\$0	\$3,346,018
Martha's Vineyard	0.3100	\$30,997	\$0	\$408,372
Merrimack Valley	4.4296	\$442,956	\$0	\$5,835,772
Montachusett	4.4596	\$445,955	\$0	\$5,875,292
Nantucket	0.2200	\$21,998	\$0	\$289,813
Northern Middlesex	3.9096	\$390,961	\$0	\$5,150,760
Old Colony	4.5595	\$455,954	\$0	\$6,007,025
Pioneer Valley	10.8099	\$1,080,992	\$0	\$14,241,655
Southeastern Mass	8.9601	\$896,010	\$0	\$11,804,594
Total:	100.00	\$10,000,000	\$0	\$131,746,173

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2011
FEDERAL REGIONAL TARGETS
June 9, 2010

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$40,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
Central Artery/Tunnel Obligation Authority	(159,365,000)		
Total Non-Earmarked Available Statewide - (Including Redistribution)	440,635,000	98,408,750	539,043,750
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	10,000,000	\$2,500,000	\$12,500,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS (Incl. Rte I-91 A/C \$4.7M)	9,300,000	\$2,325,000	\$11,625,000
Statewide Design and Right of Way	0	\$0	\$0
Statewide Interstate Maintenance Program	63,000,000	\$7,000,000	\$70,000,000
Statewide NHS Preservation Program	11,600,000	\$2,900,000	\$14,500,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	25,000,000	\$6,250,000	\$31,250,000
Subtotal Statewide Infrastructure Items:	\$135,526,400	\$23,631,600	\$159,158,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$102,186,662	\$25,546,666	\$127,733,328
Total Regional Targets:	\$111,521,938	\$27,880,485	\$139,402,423
Minimum Regional CMAQ Component:	\$10,000,000	\$2,500,000	\$12,500,000
Minimum Regional HSIP Component:	\$8,000,000	\$2,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match
Berkshire Region	3.5596	\$355,964	\$444,956	\$4,962,230
Boston Region	42.9671	\$4,296,710	\$5,370,888	\$59,897,183
Cape Cod	4.5851	\$458,514	\$573,143	\$6,391,798
Central Mass	8.6901	\$869,013	\$1,086,266	\$12,114,253
Franklin Region	2.5397	\$253,975	\$317,468	\$3,540,467
Martha's Vineyard	0.3100	\$30,997	\$38,746	\$432,104
Merrimack Valley	4.4296	\$442,956	\$553,695	\$6,174,910
Montachusett	4.4596	\$445,955	\$557,444	\$6,216,726
Nantucket	0.2200	\$21,998	\$27,497	\$306,655
Northern Middlesex	3.9096	\$390,961	\$488,701	\$5,450,090
Old Colony	4.5595	\$455,954	\$569,943	\$6,356,115
Pioneer Valley	10.8099	\$1,080,992	\$1,351,240	\$15,069,289
Southeastern Mass	8.9601	\$896,010	\$1,120,013	\$12,490,602
Total:	100.00	\$10,000,000	\$12,500,000	\$139,402,423

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2012
FEDERAL REGIONAL TARGETS
June 9, 2010

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$40,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
Central Artery/Tunnel Obligation Authority	(165,960,000)		
Total Non-Earmarked Available Statewide - (Including Redistribution)	434,040,000	90,822,500	524,862,500
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$1,200,000	\$300,000	\$1,500,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	2,250,000	\$250,000	\$2,500,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	7,600,000	\$1,900,000	\$9,500,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS	5,100,000	\$1,275,000	\$6,375,000
Statewide Design and Right of Way	0	\$0	\$0
Statewide Interstate Maintenance Program	63,000,000	\$7,000,000	\$70,000,000
Statewide NHS Preservation Program	9,600,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	20,000,000	\$5,000,000	\$25,000,000
Subtotal Statewide Infrastructure Items:	\$116,076,400	\$19,081,600	\$135,158,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	\$93,436,662	\$23,359,166	\$116,795,828
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$98,436,662	\$24,609,166	\$123,045,828
			-4.0000%
Total Regional Targets:	\$103,126,938	\$25,781,735	\$128,908,673
Minimum Regional CMAQ Component:	\$0	\$0	\$0
Minimum Regional HSIP Component:	\$8,000,000	\$2,000,000	\$10,000,000
			Adjusted Target 123,752,326

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	Adjusted Total Regional Target With State Match
Berkshire Region	3.5596	\$355,964	\$0	\$4,588,690	\$4,405,142
Boston Region	42.9671	\$4,296,710	\$0	\$55,388,323	\$53,172,790
Cape Cod	4.5851	\$458,514	\$0	\$5,910,645	\$5,674,219
Central Mass	8.6901	\$869,013	\$0	\$11,202,333	\$10,754,239
Franklin Region	2.5397	\$253,975	\$0	\$3,273,953	\$3,142,995
Martha's Vineyard	0.3100	\$30,997	\$0	\$399,577	\$383,594
Merrimack Valley	4.4296	\$442,956	\$0	\$5,710,083	\$5,481,680
Montachusett	4.4596	\$445,955	\$0	\$5,748,752	\$5,518,802
Nantucket	0.2200	\$21,998	\$0	\$283,571	\$272,228
Northern Middlesex	3.9096	\$390,961	\$0	\$5,039,825	\$4,838,232
Old Colony	4.5595	\$455,954	\$0	\$5,877,648	\$5,642,542
Pioneer Valley	10.8099	\$1,080,992	\$0	\$13,934,923	\$13,377,526
Southeastern Mass	8.9601	\$896,010	\$0	\$11,550,351	\$11,088,337
Total:	100.00	\$10,000,000	\$0	\$128,908,673	\$123,752,326

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2013
FEDERAL REGIONAL TARGETS
June 9, 2010

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.	
Base Obligation Authority	\$560,000,000			
Redistribution, as Estimated by FHWA	\$40,000,000			
Total Estimated Obligation Authority Available:	\$600,000,000			
Central Artery/Tunnel Obligation Authority	(176,555,000)			
Total Non-Earmarked Available Statewide - (Including Redistribution)	423,445,000	87,611,250	511,056,250	
Statewide Infrastructure Items:				
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000	
Statewide STP - Safety Program	0	\$0	\$0	
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000	
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000	
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000	
Statewide Transportation Enhancements	400,000	\$100,000	\$500,000	
Statewide Recreational Trails	626,400	\$156,600	\$783,000	
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000	
Statewide Design and Right of Way	2,400,000	\$600,000	\$3,000,000	
Statewide Interstate Maintenance Program	63,000,000	\$7,000,000	\$70,000,000	
Statewide NHS Preservation Program	7,343,000	\$1,835,750	\$9,178,750	
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000	
Statewide Transit				
Subtotal Statewide Infrastructure Items:	\$96,969,400	\$13,992,350	\$110,961,750	
Other Statewide Items:				
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000	
Planning	18,400,000	\$4,600,000	\$23,000,000	
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0	
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000	
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000	
Bridge Program:				Total Adjusted Target
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328	120,546,288
Statewide Bridge Preservation Program	0	\$0	\$0	
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000	
Subtotal Federal Aid Bridge Program:	\$102,186,662	\$25,546,666	\$127,733,328	
				-8.1600%
				Adjusted Target
Total Regional Targets:	\$106,888,938	\$26,722,235	\$133,611,173	122,708,501
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000	
Minimum Regional HSIP Component:	\$8,000,000	\$2,000,000	\$10,000,000	

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	Adjusted Total Regional Target With State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$4,756,082	\$4,367,986
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$57,408,851	\$52,724,289
Cape Cod	4.5851	\$458,514	\$917,028	\$6,126,261	\$5,626,358
Central Mass	8.6901	\$869,013	\$1,738,026	\$11,610,986	\$10,663,529
Franklin Region	2.5397	\$253,975	\$507,949	\$3,393,384	\$3,116,484
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$414,153	\$380,358
Merrimack Valley	4.4296	\$442,956	\$885,911	\$5,918,383	\$5,435,443
Montachusett	4.4596	\$445,955	\$891,911	\$5,958,462	\$5,472,252
Nantucket	0.2200	\$21,998	\$43,996	\$293,915	\$269,932
Northern Middlesex	3.9096	\$390,961	\$781,922	\$5,223,674	\$4,797,423
Old Colony	4.5595	\$455,954	\$911,909	\$6,092,060	\$5,594,948
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$14,443,260	\$13,264,690
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$11,971,700	\$10,994,809
Total:	100.00	\$10,000,000	\$20,000,000	\$133,611,173	\$122,708,501

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

TITLE 23 - TRANSPORTATION FUNDING

Statewide Highway-Funded Program

**FEDERAL FISCAL YEAR 2014
FEDERAL REGIONAL TARGETS
June 9, 2010**

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.	
Base Obligation Authority	\$560,000,000			
Redistribution, as Estimated by FHWA	\$40,000,000			
Total Estimated Obligation Authority Available:	\$600,000,000			
Central Artery/Tunnel Obligation Authority	(183,795,000)			
Total Non-Earmarked Available Statewide - (Including Redistribution)	416,205,000	87,861,250	504,066,250	
Statewide Infrastructure Items:				
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000	
Statewide STP - Safety Program	0	\$0	\$0	
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000	
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000	
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000	
Statewide Transportation Enhancements	400,000	\$100,000	\$500,000	
Statewide Recreational Trails	626,400	\$156,600	\$783,000	
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000	
Statewide Design and Right of Way	2,400,000	\$600,000	\$3,000,000	
Statewide Interstate Maintenance Program	63,000,000	\$7,000,000	\$70,000,000	
Statewide NHS Preservation Program	7,343,000	\$1,835,750	\$9,178,750	
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000	
Statewide Transit				
Subtotal Statewide Infrastructure Items:	\$96,969,400	\$13,992,350	\$110,961,750	
Other Statewide Items:				
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$36,000,000	\$9,000,000	\$45,000,000	
Planning	18,400,000	\$4,600,000	\$23,000,000	
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0	
Subtotal Other Statewide Items:	\$54,400,000	\$13,600,000	\$68,000,000	
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000	
Bridge Program:				Total Adjusted Target
Statewide Bridge Repl. / Rehab Program	\$97,186,662	\$24,296,666	\$121,483,328	117,814,408
Statewide Bridge Preservation Program	0	\$0	\$0	
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000	
Subtotal Federal Aid Bridge Program:	\$102,186,662	\$25,546,666	\$127,733,328	
				-12.4864%
Total Regional Targets:	\$106,888,938	\$26,722,235	\$133,611,173	Adjusted Target 116,927,947
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000	
Minimum Regional HSIP Component:	\$8,000,000	\$2,000,000	\$10,000,000	

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	Adjusted Total Regional Target With State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$4,756,082	\$4,162,219
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$57,408,851	\$50,240,552
Cape Cod	4.5851	\$458,514	\$917,028	\$6,126,261	\$5,361,312
Central Mass	8.6901	\$869,013	\$1,738,026	\$11,610,986	\$10,161,192
Franklin Region	2.5397	\$253,975	\$507,949	\$3,393,384	\$2,969,673
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$414,153	\$362,440
Merrimack Valley	4.4296	\$442,956	\$885,911	\$5,918,383	\$5,179,390
Montachusett	4.4596	\$445,955	\$891,911	\$5,958,462	\$5,214,465
Nantucket	0.2200	\$21,998	\$43,996	\$293,915	\$257,216
Northern Middlesex	3.9096	\$390,961	\$781,922	\$5,223,674	\$4,571,426
Old Colony	4.5595	\$455,954	\$911,909	\$6,092,060	\$5,331,381
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$14,443,260	\$12,639,816
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$11,971,700	\$10,476,866
Total:	100.00	\$10,000,000	\$20,000,000	\$133,611,173	\$116,927,947

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

Priscilla Leclerc

From: Guenard, Mark (DOT) [Mark.Guenard@state.ma.us]
Sent: Monday, November 08, 2010 10:38 AM
To: Guenard, Mark (DOT)
Cc: Mohler, David (DOT); Bench, Clinton (DOT); Woelfel, Steve (DOT); Donald, Thomas (DOT); Elnahal, Shoukry (DOT); Anderson, David (DOT); Rose, Marie (DOT); Bain, Rachel (DOT); Bresnahan, Guy (DOT); Cenizal, Callida (DOT); Pearson, Karen (DOT); Wadsworth, Trey (DOT); Flint, David (DOT); Tramontozzi, Frank (DOT)
Subject: REVISED Accelerated Bridge Program GANs-funded bridge list
Attachments: REVISED Attachment A - GANS List 110110.pdf

Attached for your review and use is the revised Accelerated Bridge Program (ABP) GANs-funded bridge list. This ABP GANs-funded listing supersedes all previous lists and should be used as reference and, where applicable, the basis of amendments to the FFY2011-2014 TIP/STIP.

The list, provided by the ABP group, is in a slightly different format from those which I have sent to you previously, however the relevant information is still contained on the listing. One needs to focus on the Advertise and the Total Federal Participating Cost (TFPC) columns for information needed to program.

As you all know, the Commonwealth established the \$3 billion dollar Accelerated Bridge Program (ABP) to address the bridge infrastructure needs of the Commonwealth. A total of \$1.1 billion dollars of this program is provided by allocating future bridge funding, this is the GANs funding mechanism. The federal government expects the Commonwealth to report in the TIP/STIP how these future bridge funds are to be used. The attached listing provides this detail and should be used by MPOs to list the bridges within their region in the appropriate program year. Please note that these projects are to be listed in Section **2B / Non-Federally Aided Bridge Projects** element of the FFY2011-2014 TIP for now. Programmed cost should be the TFPC amount indicated on the ABP-GANS list and should be presented as Non Federal Aid funds for now. The project will then move to Part 1B Federal aid Bridges in the year the GANS conversion occurs.

If you have any questions, please contact me or your MPO Liaison

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For news and updates check out our blog at www.mass.gov/blog/transportation or follow us on twitter at www.twitter.com/massdot.

ATTACHMENT A

11/1/2010 ABP Projects Utilizing GANS Funds (Debt Service Projects)

Project ID	Project Description	Advertise	Construct NTP	Total Federal Participating Cost	
604421	BOSTON- CAMBRIDGE-BRIDGE REHABILITATION, B-16-009=C-01-002, CAMBRIDGE STREET OVER THE CHARLES RIVER (MEMORIAL & STORROW DRIVE) (AKA - LONGFELLOW BRIDGE) *EARLY ACTION - PHASE 1*	1/30/2010	5/12/2010	\$63,503,564.00	CONTRACTED
604361	BOSTON- CAMBRIDGE-BRIDGE REHABILITATION, B-16-009=C-01-002, CAMBRIDGE STREET OVER THE CHARLES RIVER (MEMORIAL DRIVE & STORROW DRIVE) (AKA - LONGFELLOW BRIDGE)	3/3/2012 SEE NOTE 1 BELOW	7/1/2012	\$281,496,436.00	\$63,503,564 + \$281,496,436 = \$345,000,000
604634	FITCHBURG- BRIDGE REPLACEMENT, F-04-053, ASHBY WEST ROAD OVER THE SCOTT RESERVOIR OUTLET	6/12/2010	8/11/2010	\$1,286,830.00	
603602	ASHLAND- BRIDGE REPLACEMENT, A-14-002, ROUTE 135 (UNION STREET) OVER THE SUDBURY RIVER	6/26/2010	10/24/2010	\$3,911,137.00	
604788	UXBRIDGE- BRIDGE REPLACEMENT, U-02-030, RIVER ROAD OVER THE IRONSTONE BROOK	6/26/2010	10/24/2010	\$2,534,465.00	
600776	WELLESLEY- BRIDGE REPLACEMENT, W-13-007, ROCKLAND STREET OVER CONRAIL	7/24/2010	11/21/2010	\$2,009,540.00	
603443	BOSTON- BRIDGE REPLACEMENT, B-16-167, RIVER STREET OVER MBTA	8/14/2010	12/12/2010	\$9,684,480.00	
601796	WEST BROOKFIELD- BRIDGE REPLACEMENT, W-19-006, LONG HILL ROAD OVER CSX RR	8/14/2010	12/12/2010	\$3,678,788.00	
603654	BOSTON- BRIDGE REPLACEMENT, B-16-163, MORTON STREET OVER THE MBTA & CSX RAILROAD	11/13/2010	3/13/2011	\$8,794,013.75	
024090	KINGSTON- BRIDGE REPLACEMENT, K-01-002, ELM STREET OVER THE JONES RIVER	5/21/2011	9/18/2011	\$2,889,660.00	
603892	DENNIS- BRIDGE REPLACEMENT, D-07-001, UPPER COUNTY ROAD OVER SWAN RIVER	5/21/2011	9/18/2011	\$2,712,440.00	
605291	DENNIS- BRIDGE REPLACEMENT, D-07-006, MAIN STREET (SR 28) OVER WATER SWAN POND RIVER	5/21/2011	9/18/2011	\$5,544,560.00	

603670	BOURNE- WAREHAM- BRIDGE REPLACEMENT, B- 17-017=W-06-012, US ROUTE 6 & STATE ROUTE 28 (CRANBERRY HIGHWAY) OVER COHASSET NARROWS	4/2/2011	7/31/2011	\$15,179,832.00
604729	SHREWSBURY- WORCESTER- BRIDGE REHABILITATION, S- 14-001=W-44-018, STATE ROUTE 9 (BELMONT STREET) OVER LAKE QUINSIGAMOND (AKA - KENNETH F. BURNS BRIDGE)	7/2/2011	3/29/2012	\$137,303,500.00
604382	QUINCY- WEYMOUTH- BRIDGE REPLACEMENT, Q- 01-001=W-32-001, STATE ROUTE 3A (WASHINGTON STREET) OVER THE FORE RIVER	10/1/2011	6/28/2012	\$310,000,000.00
603690	CHATHAM- BRIDGE REPLACEMENT, C-07-001, BRIDGE STREET OVER THE MITCHELL RIVER	12/3/2011	4/1/2012	\$11,970,000.00
604660	EVERETT- MEDFORD- BRIDGE REPLACEMENT, E- 12-004=M-12-018, REVERE BEACH PARKWAY (ROUTE 16) OVER THE MALDEN RIVER (AKA - WOODS MEMORIAL DRAW BRIDGE)	3/17/2012	7/15/2012	\$41,319,200.00
605510	MEDFORD- BRIDGE RECONSTRUCTION, M-12- 017, REVERE BEACH PARKWAY OVER MBTA AND CORPORATION WAY	3/17/2012	7/15/2012	\$8,840,000.00
601096	AMESBURY- NEWBURYPORT- SALISBURY - BRIDGE REPLACEMENTS ON ROUTE I-95, A-07-016=N-11-007, OVER MERRIMACK RIVER (WHITTIER BRIDGE) & A-07- 017 OVER EVANS PLACE	7/7/2012	4/3/2013	\$285,000,000.00
605223	FALL RIVER- BRIDGE REHABILITATION, F-02-059, SR 79 (WESTERN EXPRESSWAY) INCLUDING ALL CONNECTING RAMPS	3/24/2012	12/29/2012	\$100,000,000.00
606255	MEDFORD - BRIDGE REPLACEMENT ON I-93 CORRIDOR	9/11/2010	2/1/2011	\$70,000,000.00

\$1,367,658,445.75

\$1,385,000,000.00 NOTE: (\$1.385 x 0.80 = \$1.108)

**NOTE: Partial
GANS Funding**

NOTE 1: The advertising date of 3/3/2012 is what is in ProjInfo as of the date of this document. There is high probability that this date may move to July 2012 or beyond, based on the filing date of the Environmental Assessment. This would affect the construction NTP and completion accordingly.

NOTE 2: We are presently studying options to complete construction of this project in SFY 2016

Priscilla Leclerc

From: Guenard, Mark (DOT) [Mark.Guenard@state.ma.us]
Sent: Friday, July 16, 2010 3:50 PM
To: Anuja Koirala; Blunt, MaryEllen; Bourassa Eric ; Bradbury, Sarah; Burns, Michael; Patty Daley; Daskal, David; Hadfield, James; Harris, Brad; Kilmer, Charlie; Komornick, Tony; Priscilla Leclerc; Mauro, Michael; Morrison, Hayes ; Mullaney, Maureen; Roscoe, Dana; Roux, Gary; Rydant, Richard; Wolfe, Pam; Blei, David (DOT); Cavicchi, Peter (DOT); Frieri, Peter (DOT); Frost, Arthur (DOT); Haznar, Pamela (DOT); Kochan, Timothy (DOT); Masse, Richard (DOT); Moore, Mark (DOT); Raphael, Connie (DOT); Scarbrough, Laurie; Simmons, Paula (DOT); Slack, Bryan; Sullivan, Ann (DOT); Suszynski, Frank (DOT)
Cc: Mohler, David (DOT); Bench, Clinton (DOT); Woelfel, Steve (DOT); Anderson, David (DOT); Rose, Marie (DOT); Kofitsas, Kostas (DOT); Flint, David (DOT); Broderick, Thomas (DOT); Bain, Rachel (DOT); Bresnahan, Guy (DOT); Cenizal, Callida (DOT); Pearson, Karen (DOT); Wadsworth, Trey (DOT); Maloney, Paul; Chong, Michael A.; MGuenard; Cope, James (DOT); Codd, Ned (DOT); Cagle, Catherine (DOT); Polin, Bonnie (DOT)
Subject: Additional materials for the FFY2011-2014 regional TIPs
Attachments: Statewide HSIP plan 2011-2014 (3).pdf; Statewide ITS Program 2011-2015.pdf; Safe Routes to School FFY2011 program 7-15-10.pdf

Attached for your information and use are a series of lists for statewide programs. These programs have previously been listed in the TIP and STIP as a statewide line item. In FFY2011, massDOT will be providing a greater level of project detail on these Statewide category projects. We are asking you to include in your regional TIPs the Statewide projects which are planned for your region. These projects are federally-funded projects not subject to regional target funding conditions. As such, these projects should be listed in Section 1C/ Federal Aid Non-Target Projects of the region's TIP. The lists are as follows:

- Statewide Highway Safety Improvement Program
- Statewide Intelligent Transportation Systems Program
- Statewide Safe Routes to Schools Program

FFY2011-2014 Highway Safety Improvement Program

Please include applicable HSIP projects in your region's TIP. These projects should be included in Section 1C/ Federal Aid Non-Target Projects. The Preliminary Office Estimate listed on the table is the same as the Total Federal Participating Cost and assumes the cost includes the non-federal funds. HSIP funding is at a 90/10 federal/non-federal formula and the region should display the project cost to include this 90/10 split. Please note that the FFY2011 project lane departure project occurs in three communities (Mashpee, Acushnet and Brockton). The State will include this project as a statewide HSIP project.

FFY 2011-2014 Intelligent Transportation Systems Program

Please include the applicable ITS projects in your region's TIP. These projects should be included in Section 1C/Federal Aid Non Target Projects. The Total Federal Participating Cost (THPC) on the table assumes the cost includes the required non-federal aid funds. ITS funding is at an 80/20 federal/non-federal formula and the region should display the project cost to include this 80/20 split.

FFY2011 Safe Routes to School Program

The attached list details the Safe Routes to School Projects (SRTS) which will be constructed in FFY2011. The SRTA program as defined in SAFETEA-LU provides federal funds:

"To enable and encourage children, including those with disabilities, to walk and bicycle to school; to make walking and bicycling to school safe and more appealing; and to facilitate the planning, development and implementation of projects that will improve safety, and reduce traffic, fuel consumption, and air pollution in the vicinity of schools."

Please include the applicable SRTS project(s) in your regional TIP. These projects should be included in Section 1C/Federal Aid Non Target Projects. These funds are 100% federal funds and should be represented as such in your

TIP.

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For news and updates check out our blog at www.mass.gov/blog/transportation or follow us on twitter at www.twitter.com/massdot.

FFY2011 Safe Routes To School program

FFY	Project Number	Location	Description	TFPC
2011	605874	Canton	CANTON - SAFE ROUTES TO SCHOOL (HANSEN SCHOOL)	\$551,000
	606044	Attleboro	ATTLEBORO- SAFE ROUTES TO SCHOOL (THACHER ELEMENTARY SCHOOL)	\$367,500
		Lowell	LOWELL - SAFE ROUTES TO SCHOOL (McAULIFFE ELEMENTARY SCHOOL)	\$403,000
		Amherst	AMHERST - SAFE ROUTES TO SCHOOL (WILDWOOD ELEMENTARY SCHOOL)	\$300,000
		Easton	EASTON - SAFE ROUTES TO SCHOOL (F.L. OLMSTED ELEMENTARY SCHOOL)	\$353,000
		Reading	READING - SAFE ROUTES TO SCHOOL (PARKER MIDDLE SCHOOL)	\$350,000
		Marlborough	MARLBOROUGH - SAFE ROUTES TO SCHOOL (JAWOREK ELEMENTARY SCHOOL)	\$354,000
		Scituate	SCITUATE - SAFE ROUTES TO SCHOOL (HATHERLY ELEMENTARY SCHOOL)	\$515,000
		Chelsea	CHELSEA - SAFE ROUTES TO SCHOOL (WRIGHT & BROWNE SCHOOLS)	\$401,000
		Statewide	STATE SRTS COORDINATOR - INFRASTRUCTURE	\$106,000
		Statewide	SRTS NON-INFRASTRUCTURE	\$544,000
				\$4,244,500

MassDOT - Highway Statewide ITS Program

Year	Route/Location	Description	Proj File #	District	Preliminary Office Estimate	Total Federal Participating Cost
2011	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract		6	\$824,000	\$659,200
	I-93 Braintree/Quincy/Boston	Replace HOV lane BTV Machine - (2 machines, replace 1 this year)		6	\$1,300,000	\$1,040,000
	I-91 from Longmeadow to Bernardston	Fiber installation with ITS devices - A/C money		2	\$4,700,000	\$3,760,000
	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$1,500,000	\$1,200,000
	I-495 from Hopkinton to Lawrence	Design Build ITS/fiber project		3 & 4	\$6,000,000	\$4,800,000
	Statewide	Work Zone Safety improvements with ITS equipment		Statewide	\$1,000,000	\$800,000
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network		Statewide	\$1,000,000	\$800,000
	Statewide	Expand Statewide Fiber Network		Statewide	\$2,000,000	\$1,600,000
		Total Federal Fiscal Year 2011			\$18,324,000	\$14,659,200
2012	I-93 Braintree/Quincy/Boston	HOV lane operating expenses for 2 years		6	\$1,200,000	\$960,000
	I-93 Braintree/Quincy/Boston	HOV lane Tow Truck Services for 2 years		6	\$550,000	\$440,000
	I-93 Braintree/Quincy/Boston	Replace HOV lane BTV Machine - (2 machines, replace 2nd machine)		6	\$1,300,000	\$1,040,000
	Statewide	TOC and ITS field equipment operational expenses for 2 years		Statewide	\$1,500,000	\$1,200,000
	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$1,500,000	\$1,200,000
	Statewide	Work Zone Safety improvements with ITS equipment		Statewide	\$1,000,000	\$800,000
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network		Statewide	\$2,000,000	\$1,600,000
	Statewide	Expand Statewide Fiber Network		Statewide	\$4,000,000	\$3,200,000
	Statewide	Interface with MSP for Real-Time Information		Statewide	\$2,500,000	\$2,000,000
	Statewide	Deploy Critical Infrastructure Surveillance		Statewide	\$3,300,000	\$2,640,000
		Total Federal Fiscal Year 2012			\$18,850,000	\$15,080,000
2013	I-95, Rte 2, I-495, Rte 3	Highway Assistance Patrols, Area 1, 6 routes, 3 year contract		4	\$2,800,000	\$2,240,000
	I-93, I-95, Rte 1	Highway Assistance Patrols, Area 2, 5 routes, 3 year contract		4	\$2,300,000	\$1,840,000
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 3, 5 routes, 3 year contract		6	\$2,300,000	\$1,840,000
	I-495, I-95, Rte 24	Highway Assistance Patrols, Area 4, 4 routes, 3 year contract		5	\$2,000,000	\$1,600,000
	I-395, I-290, I-190, I-495, Rte 2	Highway Assistance Patrols, Area 5, 4 routes, 3 year contract		3	\$2,000,000	\$1,600,000
	I-91, I-291, I-391	Highway Assistance Patrols, Area 6, 1 route, 3 year contract		2	\$700,000	\$560,000
	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$1,500,000	\$1,200,000
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network		Statewide	\$1,000,000	\$800,000
	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract		6	\$850,000	\$680,000
		Total Federal Fiscal Year 2013			\$15,450,000	\$12,360,000
2014	I-93 Braintree/Quincy/Boston	HOV lane operating expenses for 2 years		6	\$1,200,000	\$960,000
	I-93 Braintree/Quincy/Boston	HOV lane Tow Truck Services for 2 years		6	\$550,000	\$440,000
	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$1,500,000	\$1,200,000
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network		Statewide	\$1,000,000	\$800,000
	Statewide	TOC and ITS field equipment operational expenses for 2 years		Statewide	\$2,000,000	\$1,600,000
	Statewide	Work Zone Safety improvements with ITS equipment		Statewide	\$1,000,000	\$800,000
	Statewide	Expand Statewide Fiber Network		Statewide	\$4,000,000	\$3,200,000
	Statewide	Deploy additional RWIS stations and integrate with ERS		Statewide	\$750,000	\$600,000
		Total Federal Fiscal Year 2014			\$12,000,000	\$9,600,000
2015	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract		6	\$875,000	\$700,000
	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$1,500,000	\$1,200,000
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network		Statewide	\$1,000,000	\$800,000
	Statewide	Expand Statewide Fiber Network		Statewide	\$2,000,000	\$1,600,000
	Statewide	Deploy Critical Infrastructure Surveillance		Statewide	\$3,300,000	\$2,640,000
		Total Federal Fiscal Year 2015			\$8,675,000	\$6,940,000

MassDOT Statewide Highway Safety Improvement Program FFY2011 - 2014

Year	Safety Improvement Type	Location	District	Preliminary Office Estimate	Notes
2011	cable barrier	Sandwich Route 6	5	\$300,000	possible related project 606163 - resurfacing in Danvers is already advertised
	cable barrier	Danvers - Topsfield I-95	4	\$1,000,000	
	cable barrier	Dartmouth I -195	5	\$350,000	
	cable barrier	Taunton - Route 140	5	\$900,000	
	lane departure	signs and pavement markings to reduce lane departure crashes at the following locations: Mashpee - Route 130, Acushnet - Main Street, Brockton/East Bridgewater - Thatcher Street	5	\$400,000	
	pedestrian	District-wide pedestrian signs/pavement markings for crosswalks at high crash locations	2,3,4,5,6	\$1,000,000	
TOTAL FFY2011				\$3,950,000	
2012	cable barrier	Haverhill - Route 495	4	\$100,000	possible related project 605598 - resurfacing ad date 11/26/2011
	cable barrier	Attleboro / North Attleborough - I-95	5	\$450,000	
	cable barrier	Taunton, Freetown, Lakeville - Route 140	5	\$950,000	
	stop- controlled intersections	Intersection low cost safety fixes based on FHWA guidance on local and state jurisdiction roadways based on systematic approach at locations throughout the state based on the crash data	All	\$1,000,000	
TOTAL FFY2012				\$2,500,000	
2013	cable barrier	project locations based on crash data - TBD	varies	TBD	
	signal-controlled intersections	Intersection low cost safety fixes based on FHWA guidance on local and state jurisdiction roadways based on systematic approach at locations throughout the state based on the crash data	All	\$2,000,000	
TOTAL FFY2013				TBD	
2014	TBD	TBD	TBD	TBD	

MassDOT Statewide Highway Safety Improvement Program FFY2011 - 2014

Year	Safety Improvement Type	Location	District	Preliminary Office Estimate	Notes
2011	cable barrier	Sandwich Route 6	5	\$300,000	possible related project 606163 - resurfacing in Danvers is already advertised
	cable barrier	Danvers - Topsfield I-95	4	\$1,000,000	
	cable barrier	Dartmouth I -195	5	\$350,000	
	cable barrier	Taunton - Route 140	5	\$900,000	
	lane departure	signs and pavement markings to reduce lane departure crashes at the following locations: Mashpee - Route 130, Acushnet - Main Street, Brockton/East Bridgewater - Thatcher Street	5	\$400,000	
	pedestrian	District-wide pedestrian signs/pavement markings for crosswalks at high crash locations	2,3,4,5,6	\$1,000,000	
TOTAL FFY2011				\$3,950,000	
2012	cable barrier	Haverhill - Route 495	4	\$100,000	possible related project 605598 - resurfacing ad date 11/26/2011
	cable barrier	Attleboro / North Attleborough - I-95	5	\$450,000	
	cable barrier	Taunton, Freetown, Lakeville - Route 140	5	\$950,000	
	stop- controlled intersections	Intersection low cost safety fixes based on FHWA guidance on local and state jurisdiction roadways based on systematic approach at locations throughout the state based on the crash data	All	\$1,000,000	
	TOTAL FFY2012			\$2,500,000	
2013	cable barrier	project locations based on crash data - TBD	varies	TBD	
	signal-controlled intersections	Intersection low cost safety fixes based on FHWA guidance on local and state jurisdiction roadways based on systematic approach at locations throughout the state based on the crash data	All	\$2,000,000	
TOTAL FFY2013				TBD	
2014	TBD	TBD	TBD	TBD	

CAPE COD COMMISSION

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