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CAPE COD
COMMISSION

Cape Cod Metropolitan Planning Organization (MPO)

Cape Cod Transportation Improvement Program (TIP) Federal Fiscal Years 2013–2016

June 25, 2012



Falmouth, Jones Road at Route 28



Barnstable, Route 149



Dennis, Cape Cod Rail Trail



CAPE COD
COMMISSION

Cape Cod Metropolitan Planning Organization

Cape Cod Transportation Improvement Program (TIP)

Federal Fiscal Years 2013, 2014, 2015, and 2016
(October 1, 2012 – September 30, 2016)

May—June 2012

Prepared by the

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CAPE COD
COMMISSION

Cape Cod Metropolitan Planning Organization
Cape Cod Transportation Improvement Program (TIP)



ENDORSEMENT, TIP

The signatures to follow certify that the Cape Cod Metropolitan Planning Organization (MPO) hereby endorses the Cape Cod Transportation Improvement Program (TIP) for Federal Fiscal Years 2013-2016 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 2013 - 2016 Transportation Improvement Program also demonstrates air quality conformity of the Cape Cod Regional Transportation Plan 2012, and that all regionally significant transportation projects in the 2013 - 2016 Transportation Improvement Program are contained in the Regional Transportation Plan, and that all regionally significant projects out to 2035, the RTP time frame are modeled in the 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 2013-2016 TIP is financially constrained and that implementation of the Cape Cod Regional Transportation Plan 2012 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 Regional Transportation Plan 2012 and the TIP FFY 2013-2016 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 2013-2016.

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. Title 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.

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



CAPE COD
COMMISSION

Cape Cod Metropolitan Planning Organization (MPO)

CAPE COD TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

SIGNATORY CERTIFICATION:

Date: June 25, 2012

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

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

Peter Graham, Chairman
Cape Cod Commission

William Doherty, MPO Representative
Barnstable County Commissioners

Ronald J. Bergstrom, Chairman
Cape Cod Regional Transit Authority

Jason Steiding, Representative
Mashpee Wampanoag Tribal Council

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

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

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

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



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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, Plymouth, 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 (NOx), the two major precursors to ozone formation to achieve attainment of the ozone standard.

In 2002, the cities of Lowell, Waltham, Worcester and Springfield were re-designated to attainment for carbon monoxide with EPA-approved limited maintenance plans. In 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). Periodically, air quality analyses are conducted on all the RTPs, the purposes of which are to evaluate the RTPs' air quality impacts on the SIP. Conformity determinations are then performed to ensure that all regionally significant projects are included in the RTPs and the TIPs, and that they meet the air quality goals of the SIP. The Federal Highway Administration (FHWA) - in consultation with the Environmental Protection Agency (EPA New England) and the Massachusetts Department of Environmental Protection (DEP) - confirm and approve these conformity determinations (more details and background of major conformity milestones in recent years are provided in the Cape Cod MPO 2012 Regional Transportation Plan).

Previously, the Massachusetts Department of Transportation found the emission levels from the 2012 Regional Transportation Plans - as well as from the 2012-2015 TIPs - to be in conformance with the SIP. Each MPO had certified (and continues to certify) that all activities outlined in its RTP 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.

Key elements of this FY 2013-2016 TIP related to air quality conformity are as follows:

- This TIP is financially constrained, and all projects in the TIP come from the conforming Cape Cod MPO 2012 Regional Transportation Plan.
- All regionally significant RTP projects for 2013 through 2016 (both Federal and Non-Federal Aid) are programmed in the TIP.
- All regionally significant projects included in the TIP have been included in the air quality analysis for the conforming Plan. These projects are of the same design and concept as presented in the 2012 conforming RTP (projects in the TIP come from the conforming Plan).
- In the Eastern Massachusetts Ozone Non-Attainment Area, a new conformity analysis was performed because certain regionally significant transportation project(s) programmed in the 2013-2016 TIPs (and included in the transportation models) changed their projected completion timeframe by crossing one or more milestone years used (2016, 2020, 2025, 2035), compared to the mix and timelines of projects assumed for the previously performed and approved conformity analyses done in 2011.
- Specifically, the new conformity analysis continued to demonstrate that emissions levels for all build scenarios remain below established emission budgets for all pollutants and all milestone years, meeting the federal conformity criteria (see emission tables).
- All other of the latest planning assumptions relative to conformity analyses (latest emission rates, latest socio-economic projections, etc.) remain unchanged from the previously completed and approved conformity analyses on each 2012-2015 TIP.
- Therefore, this TIP, in combination with the TIPs from the other MPOs in the Eastern Massachusetts Non-Attainment area, demonstrates air quality conformity.

Timely Implementation of Transportation Control Measures

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

DEP submitted to EPA its strategy of programs to show Reasonable Further Progress of a 15% reduction of VOCs in 1996 and the further 9% reduction of NOx toward attainment of the National Ambient Air Quality Standards (NAAQS) for ozone in 1999. Within that strategy there are no specific TCM projects. The strategy does call for traffic flow improvements to reduce congestion and, therefore, improve



air quality. Other transportation-related projects that have been included in the SIP control strategy are listed below:

- Enhanced Inspection and Maintenance Program
- California Low Emission Vehicle Program
- Reformulated Gasoline for On- and Off-Road Vehicles
- Stage II Vapor Recovery at Gasoline Refueling Stations
- Tier I Federal Vehicle Standards

Air Quality Conformity Analysis

On April 2, 2008, EPA found that the 2008 and 2009 motor vehicle emissions budgets (MVEBs) 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 MVEBs 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 were required to be used for conformity determinations. EPA later determined (in 2010) that only the most recent MVEBs—2009—be used for future conformity determinations.

In 2011, air quality analyses were conducted on behalf of all the 2012-2015 Regional Transportation Improvement Programs (TIPs), the purposes of which were to evaluate the TIPs' air quality impacts on the SIP. Conformity determinations were performed to ensure that all regionally significant projects were included in the TIPs. The Massachusetts Department of Transportation found the emission levels from the 2012-2015 TIPs to be in conformance with the SIP. On November 8, 2011, EPA confirmed that both the Eastern and Western Massachusetts Non-Attainment areas collectively demonstrated transportation conformity, with concurrence on the conformity analyses from Massachusetts DEP on 11/2/11. On November 30, 2011, FHWA and FTA determined that the TIPs were in conformity with the Clean Air Act and the EPA conformity regulations (40 CFR Part 51).

The conformity test is to show consistency with the emissions budgets set forth in the SIP. Additional specific information regarding the analysis and modeling methods, latest planning assumptions, and consultation procedures are all detailed in the Cape Cod MPO 2012 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.

The milestone and analysis year transportation model networks are composed of projects proposed in this 2013-2016 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

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 Regional Transportation Models for the Eastern Massachusetts Ozone Non-Attainment Area

Analysis Year	Community	Project Description – Boston Region
2016	Bedford, Burlington	Middlesex Turnpike Improvements Phases 1 and 2
2016	Bellingham	Pulaski Boulevard
2016	Boston	Fairmount Line Improvements, including new stations
2016	Boston	East Boston Haul Road/Chelsea Truck Route (new grade separated roadway)
2016	Concord, Lincoln	Route 2/Crosby's Corner (grade separation)
2016	Danvers	Route 128/Route 35 and Route 62
Analysis Year	Community	Project Description – Boston Region (continued)
2016	Hudson	Route 85 (capacity improvements from Marlborough TL to Rte. 62)
2016	Marshfield	Route 139 Widening (to 4 lanes between School St. and Furnace St.)
2016	Quincy	Quincy Center Concourse, Phase 2 (new roadway: Parking Way to Hancock St.)
2016	Randolph to Wellesley	Route 128 Additional Lanes
2016	Somerville	Assembly Square Orange Line Station
2016	Somerville	Assembly Square Roadways (new and reconfigured)
2016	Weymouth, Hingham, Rockland	South Weymouth Naval Air Station Access Improvements
2016	Region wide	1000 Additional Park and Ride Spaces

Analysis Year	Community	Description of Recommended Plan Projects– Boston Region
2016	Beverly	Beverly Station Commuter Rail Parking Garage
2016	Boston	Conley Haul Road
2016	Hanover	Route 53 Final Phase (widening to 4 lanes between Rtes. 3 & 123)
2016	Salem	Salem Station Commuter Rail Parking Garage Expansion
2016	Somerville, Cambridge, Medford	Green Line Extension to Medford Hillside/Union Square
2016	Weymouth	Route 18 Capacity Improvements
2020	Bedford, Burlington, Billerica	Middlesex Turnpike Improvements Phase 3 – widening Plank St. to Manning Rd.
2020	Boston	Sullivan Square/Rutherford Avenue Improvements
2020	Salem	Bridge Street (widening to 4 lanes between Flint and Washington St.)
2020	Somerville, Medford	Green Line Extension to Mystic Valley Parkway (Route 16)
2025	Canton	I-95 (NB)/Dedham Street Ramp/Dedham Street Corridor (new ramp with widening on Dedham St. from I-95 to University Ave.)
2025	Canton	I-95/I-93 Interchange (new direct connect ramps)
2025	Newton, Needham	Needham Street/Highland Avenue (includes widening Charles River Bridge)
2025	Woburn	Montvale Avenue (widening between Central St. to east of Washington St.)
2025	Woburn	New Boston Street Bridge (reestablish connection over MBTA Lowell line)
2035	Braintree	Braintree Split - I-93/Route 3 Interchange
2035	Framingham	Route 126/135 Grade Separation
2035	Reading, Woburn, Stoneham	I-93/I-95 Interchange (new direct connect ramps)
2035	Revere, Malden, Saugus	Route 1 (widening from 4 to 6 lanes between Copeland Circle and Rt. 99)
2035	Wilmington	Tri-Town Interchange (new “Lowell Junction” interchange on I-93 between Route 125 and Dascomb Rd.)
Analysis Year	Community	Project Description – Cape Cod Region
2020	Barnstable	Yarmouth Road / Rte. 28 (widening to 4 lanes median & bike / ped) with Hyannis Access Improvements
2025	Bourne	Rte. 6 Exit 1 WB on-ramp changes and interchange improvements
2035	Bourne	Route 25 Access Ramp widening / Belmont Circle two-way travel
2035	Capewide	Daily Passenger Rail Service: between Hyannis – Middleborough for connections to Boston and Providence, RI
2035	Mashpee	Mashpee Rotary Ring Roads (connectors, Great Neck Rd., Rtes. 28 and 151.)
Analysis Year	Community	Project Description - Central Massachusetts Region
2016	Northborough	Rte. 20 Church to South, signal coordination in corridor
2016	Shrewsbury/ Worcester	Rte. 9 Bridge over Lake Quinsigamond: widening, additional lane each direction
2016	Auburn	Rte. 12/20 to Auburn TL capacity improvements and raised median
2016	Worcester	Lincoln/Highland/Pleasant Streets intersection corridor improvements, minor widening, select signal coordination
2016	Worcester	Route 20 Widening to a consistent 4 lanes
2020	Charlton, Oxford	Route 20 Widening to a consistent 4 lanes
2025	Westborough, Hopkinton	I-90/I-495 and I-495/Rte. 9 Interchange Improvements (CD or frontage roads)



Analysis Year	Community	Project Description - Central Massachusetts Region (continued)
2035	Worcester	Route 122/122A Madison St/Chandler St. Kelley Square to Pleasant St: various improvements and signal coordination
2035	Worcester	I-290 Hope Ave. (to full interchange and roundabout at Webster and Hope)
2035	Millbury, Sutton	Route 146 Improvements: Route 122A to Central Turnpike
Analysis Year	Community	Project Description – Martha's Vineyard Region
n/a	n/a	none
Analysis Year	Community	Project Description – Merrimack Valley Region
2016	Amesbury	Route 110 from I-495 to I-95 (widen from 2 lanes to 4)
2020	Newburyport, Amesbury	I-95 over Merrimack River (Whittier Bridge widening from 6 to 8 lanes)
2020	Methuen	Route 110/113 (Methuen Rotary – new interchange ramps at I-93)
2025	Lawrence, North Andover	Route 114 (widening from I-495 to Waverly Road)
2035	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.
Analysis Year	Community	Project Description – Montachusett Region
2016	Fitchburg/ Westminster	New Wachusett Commuter Rail Station
2016	Ayer to South Acton	Fitchburg Line Commuter Rail Improvements (double track)
2020	Leominster	Route 13 Hawes St. to Prospect St. (some widening, new signals, etc.)
2025	Athol	New Interchange on Route 2 at South Athol Road
Analysis Year	Community	Project Description – Nantucket Region
n/a	n/a	none
Analysis Year	Community	Project Description – Northern Middlesex Region
2016	Westford	Route 110 Minot's Corner to Nixon widen to 4 lanes
Analysis Year	Community	Project Description – Northern Middlesex Region (continued)
2020	Billerica	Middlesex Turnpike Improvements Phase 3 – widening Plank St. to Manning Rd.
2035	Tewksbury	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.
2035	Westford	I-495 at Boston Road (Exit 32) widening of on and off ramps
2035	Lowell, Tewksbury, Chelmsford, and Westford	I-495 Additional travel lane each direction between Exits 32 and 35 and between Exits 37 and 40
2035	Lowell	Wood Street, Rourke Bridge: new bridge, widening and corridor improvements
Analysis Year	Community	Project Description – Old Colony Region
2016	Abington	Route 18 - Widening to 4 Lanes from Route 139 to Highland Rd.
2020	Brockton	Route 123 - Widen from Route 24 to Angus Beaton Drive
2020	Bridgewater	Route 24 - Add Northbound Slip Ramp from Route 104 WB to Route 24 NB Northbound

Analysis Year	Community	Project Description – Old Colony Region (continued)
2020	Plymouth	Route 3 - Add Northbound on-Ramp at Long Pond Road (Exit 5)
2020	Plymouth	Long Pond Road Bridge widening (Exit 5)
2025	Brockton	Main Street, Warren Avenue, Spring Street, West Elm Street, Belmont Street - Reestablish Two-Way Circulation
2025	West Bridgewater	Route 106 - Widening from 2 to 4 Lanes between Route 24 and Route 28
2035	Plymouth	Route 3 – Add NB Off-ramp to Plimouth Plantation Hwy (Exit 4)
2035	Plymouth	Route 25 - Add New Interchange Before Exit 1 and connect to Bourne Road
2035	West Bridgewater	Route 28, Route 106, Central Square Signal and intersection coordination
Analysis Year	Community	Project Description – Southeastern Massachusetts Region
2016	Fall River, Somerset	New Brightman Street Bridge - capacity improvements to 4 lane divided facility
2016	Fall River	Route 79/Davol Street (interchange improvements and new traffic circulation)
2016	Freetown	Route 24 - New Interchange (Exit 8 ½)
2016	Mansfield	Route 140 / I-495 New Southbound On-Ramp
2020	Dartmouth	Route 6 (Faunce Corner Rd) / I-195 Interchange - Bridge Widening to 5 Lanes
2035	Taunton	Route 24 / 140 - Interchange Reconstruction

Using the latest planning assumptions, the Massachusetts Department of Transportation, Office of Transportation Planning, in coordination with MPO staff, estimated the emissions for VOC and NOx for all MPOs in Eastern Massachusetts through a combination of the statewide and Boston Region travel demand models. 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 NOx 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 NOx emissions from all Action scenarios are less than the VOC and NOx 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)
2010	n/a	64.974	n/a	n/a
2016	1.9519	36.232	63.50	-27.268
2020	1.7496	32.386	63.50	-31.114
2025	1.6404	30.988	63.50	-32.512
2035	1.6981	31.063	63.50	-32.437



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

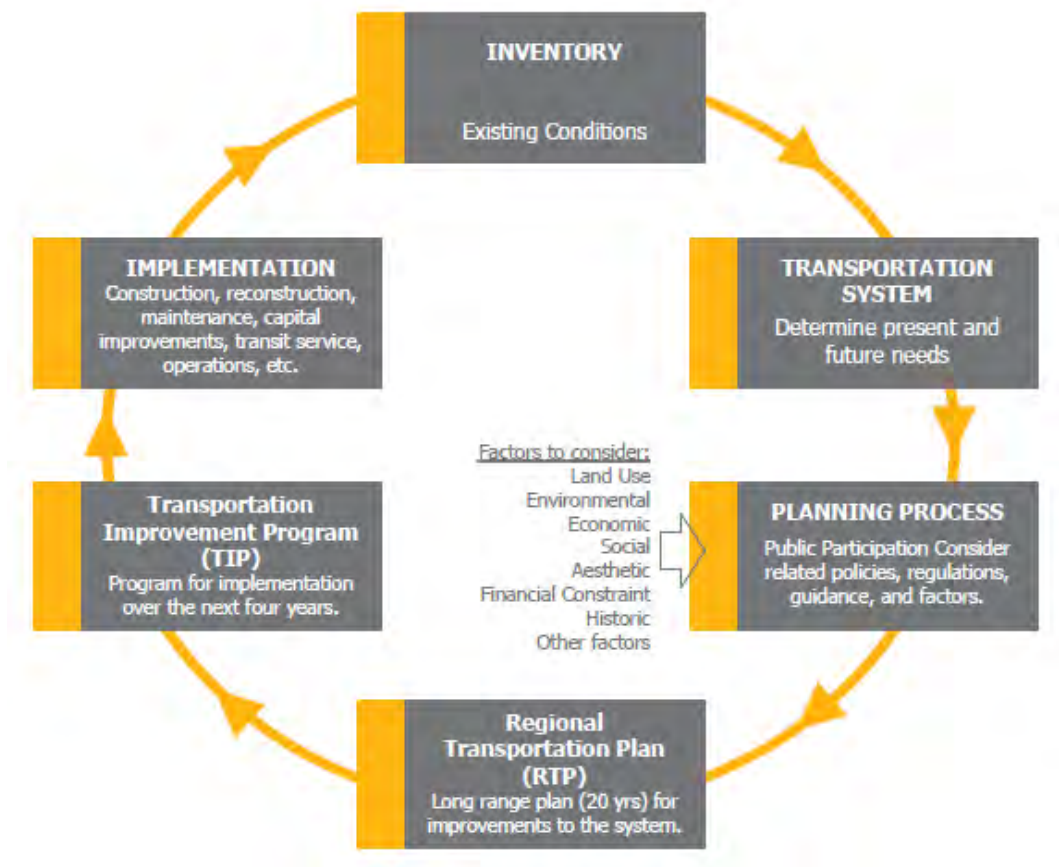
Year	Cape Cod Action Emissions	Eastern MA Action Emissions	Budget	Difference (Action - Budget)
2010	n/a	178.925	n/a	n/a
2016	3.3645	66.219	174.96	-108.741
2020	2.2223	45.188	174.96	-129.772
2025	1.6799	36.521	174.96	-138.439
2035	1.4689	29.038	174.96	-145.922

In summary, this TIP is derived from the conforming 2012 Regional Transportation Plan, and the 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 2013-2016 TIP – in combination with the emission levels from the other MPOs in its nonattainment area – demonstrate conformity with the SIP, the Clean Air Act, and the EPA conformity regulations (40 CFR part 51).



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 each year.



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

The MPO consists of the Massachusetts Department of Transportation (MassDOT) Secretary/CEO, the MassDOT Highway Administrator, the Cape Cod Commission (CCC) Chairman, Cape Cod Regional Transit Authority (CCRTA) Chairman, A Barnstable County Commissioner, Barnstable Town Council President, and Selectmen representing the 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, Ex-Officio 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 TIPs into the State Transportation Improvement Program (STIP), and approved by federal agencies in order for the 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 five to ten years from concept to construction, and the Cape Cod



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

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

This TIP was produced in accordance with the latest Public Participation Program (PPP) established for the Cape Cod Region. The Draft TIP 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>
February 10, 2012	CCJTC Meeting	Barnstable
February 27, 2012	MPO Meeting	Barnstable
March 9, 2012	CCJTC Meeting	Barnstable
March 26, 2012	MARPA / MassDOT QTF	Sutton
March 28, 2012	Project Evaluation	Taunton
April 10, 2012	TIP Day	Conference Call
April 11, 2012	CMAQ consultation	Boston
April 11, 2012	AQ conformity	Boston
April 13, 2012	CCJTC Meeting	Barnstable
April 23, 2012	MPO Meeting	Barnstable
May 21, 2012	MPO Meeting	Barnstable
June 6, 2012	Public Meeting	Barnstable
June 8, 2012	CCJTC Meeting	Barnstable
June 25, 2012	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 is required under 23 CFR 450.324.

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

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

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 MassDOT 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 programmed already, 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 extensions of the current federal legislation. The 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 (FHWA) AND STATE MATCHING FUNDS

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

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

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

A portion of STP funds is for projects qualifying under one of the categories of **Transportation Enhancements (STP-E)**. These are projects above and beyond the usual transportation project but directly related to transportation such as pres-



ervation of historic transportation facilities and stormwater mitigation. FHWA share is 80%, state/local share 20%.

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

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

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

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

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

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

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



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

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

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

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

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

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



CAPE COD TIP 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. In this TIP, the Federal Fiscal Year (FY) 2012 and FY 2013 projects are the region's highest priority projects that should be ready to move to implementation.

Programming/Implementation Note:

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

SUMMARY OF FUNDING FOR CAPE COD PROJECTS

The Cape Cod federal aid target amounts, from Federal Highway Administration sources through the Commonwealth of Massachusetts, Massachusetts Highway Department, based on approximately 4.58% of the statewide amounts, are listed below, and the current amount programmed is the right column.

Projects programmed in years 2013-2016 reflect 2013 cost estimates. An inflation rate of 4% per year is added to project cost estimates in years 2014-2016, and therefore, the project cost estimates are by YEAR OF EXPENDITURE (YOE) for the target projects.

YEAR	Total Federal Aid	Amount Programmed
2013	\$ 7,016,906	\$ 4,995,942
2014	\$ 8,440,099	\$ 7,959,731
2015	\$ 6,329,788	\$ 6,294,912
2016	\$ 8,119,139	\$ 8,119,139
TOTALS:	\$ 29,905,932	\$ 27,369,724

The list of specific Cape Cod projects follows.

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	Analysis Type ▼	Impact the	by Impact Description ▼	ition al
► Section 1A / Federal Aid Target Projects											
► STP - Surface Transportation Program											
	No Projects Programmed							N/A		0	N/A
STP Subtotal ►				\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	Quantified		0	
► HSIP - Highway Safety Improvement Program											
602213	ORLEANS- ROUNDABOUT IMPROVEMENTS AT ROUTES 28 & 6A	5	HSIP	\$ 458,514	\$ 412,663	\$ 45,851	CONSTRUCTION Total cost is \$1,491,500	Quantified		0	N/A
				\$ -	\$ -	\$ -		N/A		0	N/A
HSIP Subtotal ►				\$ 458,514	\$ 412,663	\$ 45,851	◀ Funding Split Varies by Project	Quantified		0	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
602213	ORLEANS- ROUNDABOUT IMPROVEMENTS AT ROUTES 28 & 6A	5	CMAQ	\$ 1,032,986	\$ 929,687	\$ 103,299	CONSTRUCTION Total cost is \$1,491,500, 75% design	Quantified	21046.104	N/A	
605661	FALMOUTH INTERSECTION IMPROVEMENTS @ TEATICKET HIGHWAY (ROUTE 28)/JONES ROAD/WORCESTER COURT	5	CMAQ	\$ 1,737,120	\$ 1,389,696	\$ 347,424	CONSTRUCTION Total cost is \$1,737,120, 75% design	Quantified	10188.958	N/A	
605671	FALMOUTH INTERSECTION IMPROVEMENTS AT EAST FALMOUTH HIGHWAY (ROUTE 28) DAVISVILLE ROAD/OLD MEETINGHOUSE ROAD	5	CMAQ	\$ 1,420,170	\$ 1,136,136	\$ 284,034	CONSTRUCTION Total cost is \$1,420,170, 75% design	Quantified	23049.319	N/A	
	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO SANDWICH (\$180,154 TOTAL)	5	CMAQ>FTA	\$ 144,123	\$ 144,123	\$ -	\$144,123 TRANSFER TO FTA, CMAQ Year 2 out of 3 (\$144,123 CMAQ with \$36,031 CCRTA match, \$180,154 Total cost) 100% design	Quantified	67711.382	N/A	
	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO FALMOUTH (\$178,803 TOTAL)	5	CMAQ>FTA	\$ 143,042	\$ 143,042	\$ -	\$143,042 TRANSFER TO FTA, CMAQ Year 2 out of 3 (\$143,042 CMAQ with \$35,761 CCRTA match, \$178,803 Total cost) 100% design	Quantified	59103.409	N/A	
	CCNS- NEW TRANSIT SERVICE DEMONSTRATION OUTER CAPE BIKE SHUTTLE -- CMAQ and FLHP	5	CMAQ>FTA	\$ 59,987	\$ 59,987		Transfer to FTA for CCNS, \$59,987 CMAQ operating funds, with \$14,997 NPS match for operating funds, and \$6,801 capital for a total project cost of \$81,784. (100% federal funds) Year 1 of 3, 100% design	Quantified	628390.8	N/A	
CMAQ Subtotal ►				\$ 4,537,428	\$ 3,802,671	\$ -	◀ 80% Federal + 20% Non-Federal	Quantified	809489.972		
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►				\$ 4,995,942	\$ 7,016,906	◀ Total	\$ 2,020,964	Target Funds			
Total STP Programmed ►				\$ -	\$ 5,641,364	◀ Max. STP	\$ 5,641,364	STP Available			
Total HSIP Programmed ►				\$ 458,514	\$ 458,514	◀ Min. HSIP	\$ -	HSIP Minimum Met			
Total CMAQ Programmed ►				\$ 4,537,428	\$ 917,028	◀ Min. CMAQ	\$ (3,620,400)	CMAQ Minimum Met			
► Section 1B / Federal Aid Bridge Projects											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0	N/A
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0	N/A
BR Subtotal ►				\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	Quantified		0	
► Section 1C / Federal Aid Non-Target Projects											
► Earmarks											
605792	CAPE COD NATIONAL SEASHORE/NPS CACO VARIOUS PAVEMENT MANAGEMENT PROJECTS	5	FLHP	\$ 587,000	\$ 587,000	-	CONSTRUCTION	N/A		0	N/A
											N/A
Earmarks Subtotal ►				\$ 587,000	\$ 587,000	\$ -	◀ Funding Split Varies by Earmark	Quantified		0	
► Other											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0	N/A
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0	N/A
Other Subtotal ►				\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding	Quantified		0	
► Section 1D / Federal Aid Major & State Category Projects											
► IM - Interstate Maintenance											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0	N/A
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0	N/A
IM Subtotal ►				\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal	Quantified		0	
► NHS - National Highway System											
606286	Bourne-Sandwich --Resurfacing of Route 6 (Mid-Cape Highway)		NHS	\$ 8,200,948	6,560,758	1,640,190	Construction, Total cost is \$8,200,948, at 75% design	N/A		0	N/A
				\$ -	-	-		N/A		0	N/A
NHS Subtotal ►				\$ 8,200,948	\$ 6,560,758	\$ 1,640,190	◀ 80% Federal + 20% Non-Federal	Quantified		0	
► Other											
	No Projects Programmed			\$ -	-	-		N/A		0	N/A
	No Projects Programmed			\$ -	-	-		N/A		0	N/A

2013

Cape Cod MPO Transportation Improvement Program

05/21/12 Draft Released
06/25/12 Endorsed

2013 Cape Cod TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	Analysis Type ▼	Impact the	by	Impact Description ▼	ition al
Other Subtotal ► \$ - \$ - \$ - ◀ Funding Split Varies by Funding								Quantified		0		
► Section 2A / Non-Federal Projects												
	No Projects Programmed			\$ -		\$ -		N/A		0	N/A	
	No Projects Programmed			\$ -		\$ -		N/A		0	N/A	
Non-Federal Projects Subtotal ►				\$ -		\$ -	◀100% Non-Federal	Quantified		0		
► Section 2B / Non-Federal Bridge Projects												
603690	CHATHAM- BRIDGE REPLACEMENT, C-07-01, BRIDGE STREET OVER THE MITCHELL RIVER	5	ABP-GANS	\$ 10,555,222		\$ 10,555,222	Total cost \$10,555,222 Design status 25%	N/A		0	N/A	
				\$ -		\$ -		N/A		0	N/A	
Non-Federal Bridge Projects Subtotal ►				\$ 10,555,222		\$ 10,555,222	◀100% Non-Federal	Quantified		0		

2013

Cape Cod MPO TIP Summary

TIP Section
1: ▼TIP Section 2:
▼Total of All
Projects ▼Total
Quantified
Impact ▼2013 Cape Cod TIP
GHG Tracking
Summary

Total ► \$ 13,049,133 \$ 10,555,222 \$ 23,604,355 ◀ Total Spending in Region
 Federal Funds ► \$ 11,363,092 \$ 11,363,092 ◀ Total Federal Spending in Region
 Non-Federal Funds ► \$ 1,686,041 \$ 10,555,222 \$ 12,241,263 ◀ Total Non-Federal Spending in

Quantified 809489.972

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

Regional Transit Outlook						05/21/12 Draft Released							
Project List (FY13)						06/25/12 Endorsed							
FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	FTA Scope & Activity Line Item Codes	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Number of Vehicles
						RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5307 ▶	CCRTA	Bus Other Capital Items	117-00		\$5,154,003	\$0	\$0	\$0	\$0	\$1,288,501	\$0	\$6,442,504	7
	CCRTA	Bus Equipment and Facilities	114-00		\$1,753,547	\$241,356	\$0	\$0	\$197,031	\$0	\$0	\$1,994,903	
	CCRTA	Operating Assistance	300-00		\$269,060	\$0	\$0	\$0	\$0	\$269,060	\$0	\$538,120	
	CCRTA	Transit Enhancements	119-00		\$48,210	\$0	\$0	\$0	\$12,053	\$0	\$0	\$48,210	
5307 Subtotal ▶					\$7,224,820	\$241,356	\$0	\$0	\$209,083	\$1,557,561	\$0	\$9,023,737	
5309 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5309 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5310 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5310 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5311 ▶	CCRTA	Rural public transit service			\$46,018	\$0	\$0	\$0	\$0	\$0	\$0	\$46,018	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5311 Subtotal ▶					\$46,018	\$0	\$0	\$0	\$0	\$0	\$0	\$46,018	
5316 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5316 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5317 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5317 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SoGR ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Livability ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TIGER ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5320 TRP	605792 CACO / Cape Cod National Seashore	CAPE COD NATIONAL SEASHORE / NPS CACO Redesign and overhaul the 1.6 mile Nauset Bike trail; from 8 feet to 10 feet wide, barrier installation to deter sand, and safety signage replacement.		2011	\$1,345,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,345,000	
5320 TRP	605792 CACO / Cape Cod National Seashore	CAPE COD NATIONAL SEASHORE / NPS CACO Improve pedestrian and bicycle crossins of major roadways using self-activated flashing beacons and a hybrid pedestrian beacon.		2012	\$532,000	\$0	\$0	\$0	\$0	\$0	\$0	\$532,000	

5320 TRP	605792 CACO / Cape Cod National Seashore	CAPE COD NATIONAL SEASHORE / NPS CACO Race Point / Macmillan Pier Bicycle Connection; a share the road facility from Province Lands bicycle trail to downtown Provincetown.	2012	\$119,600	\$0	\$0	\$0	\$0	\$0	\$0	\$119,600
5320 TRP	U.S. Fish and Wildlife Services	MONOMOY NATIONAL WILDLIFE REFUGE Shuttle service with biodiesel-fueled vehicles between satellite parking and Monomoy National Wildlife Refuge and around Chatham	2011	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<i>(for previously awarded competitive grants)</i>											
Grants Subtotal ►				\$2,396,600	\$0	\$0	\$0	\$0	\$0	\$0	\$2,396,600
Other ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Federal (RTACAP)►					\$0	\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Federal (Other State & Locally Funded Projects)►					\$0	\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PROGRAMMED				\$9,667,438	\$241,356	\$0	\$0	\$209,083	\$1,557,561	\$0	\$11,466,355

Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
FFY 13 / 5307	\$ 7,224,820	\$ 4,332,663	NA
FFY 13 / 5309	\$ -	\$ -	\$ -

Note: Agency will use carry over S5307 to supplement the annual allocation.

State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
RTACAP	\$ 241,356	\$ 241,356	\$ -
ITCCAP	\$ -	\$ -	n/a
SCA	\$ 1,557,561	\$ 3,232,358	n/a
TDC	\$ 209,083	\$ 209,083	n/a

2014

Cape Cod MPO Transportation Improvement Program

05/21/12 Draft Released
06/25/12 Endorsed

2014 Cape Cod TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	GHG Analysis Type ▼	GHG Impact by the Numbers ▼	GHG Impact Description ▼	Additio nal Descript ion ▼
► Section 1A / Federal Aid Target Projects											
► STP - Surface Transportation Program											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
STP Subtotal ►				\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal	Quantified	0		
► HSIP - Highway Safety Improvement Program											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
HSIP Subtotal ►				\$ -	\$ -	\$ -	◀ Funding Split Varies by Project	Quantified	0		
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
604488	DENNIS-YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO YARMOUTH, INCLUDES 3 BRIDGES	5	CMAQ	\$ 7,598,693	\$ 6,078,954	\$ 1,519,739	CONSTRUCTION Total \$9,321,897 + 4% annual inflation= \$9,694,773; TI 173 MA 209: \$2,096,080 in 2014; CMAQ \$7,598,693 in 2014; 25% design	Quantified	47094.6	N/A	
	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO SANDWICH (\$187,360 TOTAL)	5	CMAQ>FTA	\$ 149,888	\$ 149,888	\$ -	\$149,888 TRANSFER TO FTA, CMAQ Year 3 out of 3 (\$149,888 CMAQ with \$37,472 CCRTA match for \$187,360 Total cost) 100% design	Quantified	67711.382	N/A	
	CCRTA - NEW TRANSIT SERVICE DEMONSTRATION BOURNE TO FALMOUTH (\$185,955 TOTAL)	5	CMAQ>FTA	\$ 148,764	\$ 148,764	\$ -	\$148,764 TRANSFER TO FTA, CMAQ Year 3 out of 3 (\$148,764 CMAQ with \$37,191 CCRTA match for \$185,955 Total cost) 100% design	Quantified	59103.409	N/A	
	CCNS- NEW TRANSIT SERVICE DEMONSTRATION OUTER CAPE BIKE SHUTTLE	5	CMAQ>FTA	\$ 62,386	\$ 62,386	\$ -	Transfer to FTA for CCNS, \$62,396 CMAQ operating funds, with \$15,597 NPS match for operating funds, and \$7,073 capital for a total project cost of \$85,056. (100% federal funds) Year 2of 3, 100% design	Quantified	628390.8	N/A	
CMAQ Subtotal ►				\$ 7,959,731	\$ 6,439,992	\$ 1,519,739	◀ 80% Federal + 20% Non-Federal	Quantified	802300.191		
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►				\$ 7,959,731	\$ 8,440,099	◀Total	\$ 480,368	Target Funds Available			
Total STP Programmed ►				\$ -	\$ 7,064,557	◀ Max. STP	\$ 7,064,557	STP Available			
Total HSIP Programmed ►				\$ -	\$ 458,514	◀ Min. HSIP	\$ 458,514	HSIP Minimum Not Met			
Total CMAQ Programmed ►				\$ 7,959,731	\$ 917,028	◀ Min. CMAQ	\$ (7,042,703)	CMAQ Minimum Met			
► Section 1B / Federal Aid Bridge Projects											
606390	SANDWICH- BRIDGE REPLACEMENT, S-04-001, CRANBERRY HIGHWAY (Rte. 6A) over SCORTON RIVER	5	BR	\$ 2,995,200	\$ 2,396,160	\$ 599,040	CONSTRUCTION TOTAL \$2,995,200, preliminary design	N/A	0	N/A	
				\$ -	\$ -	\$ -		N/A	0	N/A	
BR Subtotal ►				\$ 2,995,200	\$ 2,396,160	\$ 599,040	◀ 80% Federal + 20% Non-Federal	Quantified	0		
► Section 1C / Federal Aid Non-Target Projects											
► Earmarks											
604488	DENNIS-YARMOUTH- CAPE COD RAIL TRAIL EXTENSION, FROM ROUTE 134 TO YARMOUTH, INCLUDES 3 BRIDGES	5	TI (2005) TI173	\$ 2,096,080	\$ 1,676,864	\$ 419,216	CONSTRUCTION Total \$9,321,897 + 4% annual inflation= \$9,694,773; TI 173 MA 209: \$2,096,080 in 2014; CMAQ \$7,598,693 in 2014; 25% design	Quantified	0	N/A	
606719	BARNSTABLE- HYANNIS MEMORIAL WALKWAY -SIDEWALK RECONSTRUCTION & STREETSCAPING ON PEARL ST, FROM MAIN ST TO SOUTH ST HYANNIS	5	112 (2006) MA217	\$ 99,000	\$ 99,000	\$ -	CONSTRUCTION - \$99,000 Total cost, 100% Federal Funds, preliminary design	N/A	0	N/A	
Earmarks Subtotal ►				\$ 2,195,080	\$ 1,775,864	\$ 419,216	◀ Funding Split Varies by Earmark	Quantified	0		
► Other											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
Other Subtotal ►				\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding	Quantified	0		
► Section 1D / Federal Aid Major & State Category Projects											
► IM - Interstate Maintenance											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		N/A	0	N/A	
IM Subtotal ►				\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal	Quantified	0		
► NHS - National Highway System											
606178	BOURNE-RESURFACING & SAFETY UPGRADING ON ROUTE 28 (GENERAL MACARTHUR BOULEVARD)	5	NHS	\$ 7,795,507	\$ 6,236,406	\$ 1,559,101	CONSTRUCTION Total cost \$7,795,507, possible HSIP component	N/A	0	N/A	
				\$ -	\$ -	\$ -		N/A	0	N/A	
NHS Subtotal ►				\$ 7,795,507	\$ 6,236,406	\$ 1,559,101	◀ 80% Federal + 20% Non-Federal	Quantified	0		

2014 Cape Cod MPO Transportation Improvement Program								2014 Cape Cod TIP GHG Tracking			
05/21/12 Draft Released 06/25/12 Endorsed											
MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	GHG Analysis Type ▼	GHG Impact by the Numbers ▼	GHG Impact Description ▼	Additio nal Descript ion ▼
► Other											
	No Projects Programmed			\$ -	-	-		N/A	0	N/A	
	No Projects Programmed			\$ -	-	-		N/A	0	N/A	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding	Quantified	0		
► Section 2A / Non-Federal Projects											
	No Projects Programmed			\$ -		\$ -		N/A	0	N/A	
	No Projects Programmed			\$ -		\$ -		N/A	0	N/A	
Non-Federal Projects Subtotal ►				\$ -		\$ -	◄ 100% Non-Federal	Quantified	0		
► Section 2B / Non-Federal Bridge Projects											
	No Projects Programmed			\$ -		\$ -		N/A	0	N/A	
	No Projects Programmed			\$ -		\$ -		N/A	0	N/A	
Non-Federal Bridge Projects Subtotal ►				\$ -		\$ -	◄ 100% Non-Federal	Quantified	0		
2014 Cape Cod MPO TIP Summary								Total Quantified Impact ▼			
				TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼		2014 Cape Cod TIP GHG Tracking Summary			
Total ►				\$ 20,945,518	\$ -	\$ 20,945,518	◄ Total Spending in Region	Quantified	802300.191		
Federal Funds ►				\$ 16,848,422		\$ 16,848,422	◄ Total Federal Spending in Region				
Non-Federal Funds ►				\$ 4,097,096	\$ -	\$ 4,097,096	◄ Total Non-Federal Spending in				
701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By placing a project on the TIP, the Municipality acknowledges that 701 CMR 7.00 is applicable to its project and design and construction will be fully compliant with this Regulation. This information, and additional information relative to guidance and implementation of the Regulation can be found at the following link on the MassDOT Highway Division website: http://www.massdot.state.ma.us/Highway/flaggers/main.aspx											

Regional Transit Outlook						05/21/12 Draft Released							
Project List (FY14)						06/25/12 Endorsed							
FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	& Activity Line Item Codes	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Number of Vehicles
						RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5307 ▶	CCRTA	Operating Assistance	300-00		\$269,060	\$0	\$0	\$0	\$0	\$269,060	\$0	\$538,120	11
	CCRTA	Bus Other Capital Items	117-00		\$4,773,002					\$1,193,251		\$5,966,253	
	CCRTA	Transit Enhancements	119-00		\$49,657	\$0	\$0	\$0	\$12,414	\$0	\$0	\$49,657	
	CCRTA	Bus Equipment and Facilities	114-00		\$1,806,153	\$241,356	\$0	\$0	\$210,182	\$0	\$0	\$2,047,509	
5307 Subtotal ▶					\$6,897,872	\$241,356	\$0	\$0	\$222,597	\$1,462,311	\$0	\$8,601,539	
5309 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5309 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5310 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5310 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5311 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5311 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5316 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5316 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5317 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5317 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SoGR ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Livability ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TIGER ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
(for previously awarded competitive grants)													
Grants Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Other ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Non-Federal (RTACAP)▶						\$0	\$0	\$0	\$0	\$0	\$0	\$0	
						\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Non-Federal (Other State & Locally Funded Projects)▶						\$0	\$0	\$0	\$0	\$0	\$0	\$0	

		\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal ►		\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PROGRAMMED		\$6,897,872	\$241,356	\$0	\$0	\$222,597	\$1,462,311	\$0
								\$8,601,539

Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
FFY 14 / 5307	\$ 6,897,872	\$ 4,332,663	NA
FFY 14 / 5309	\$ -	\$ -	\$ -

Note: Agency will use carry over S5307 to supplement the annual allocation.

State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
RTACAP	\$ 241,356	\$ 241,356	-
ITCCAP	\$ -	\$ -	n/a
SCA	\$ 1,462,311	\$ 3,232,358	n/a
TDC	\$ 222,597	\$222,597	n/a

2015

Cape Cod MPO Transportation Improvement Program

05/21/12 Draft Released
06/25/12 Endorsed

2015 Cape Cod TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	GHG Analysis Type ▼	GHG Impact by the Numbers ▼	GHG Impact Description ▼	Additional Description ption
► Section 1A / Federal Aid Target Projects											
► STP - Surface Transportation Program											
606164	HARWICH- RECONSTRUCTION OF ROUTE 124 (PLEASANT LAKE AVENUE), FROM HEADWATERS DRIVE TO BREWSTER T.L.	5	STP	\$ 3,569,280	\$ 2,855,424	\$ 713,856	CONSTRUCTION Total cost \$3,569,280, conceptual design and outreach	Qualitative		0 Assumed Nominal Decrease in Emissions from Bicycle and Sidewalk Improvements	
STP Subtotal ►				\$ 3,569,280	\$ 2,855,424	\$ 713,856	◄ 80% Federal + 20% Non-Federal	Quantified	0		
► HSIP - Highway Safety Improvement Program											
606394	BARNSTABLE- INTERSECTION IMPROVEMENTS @ ROUTE 28 (FALMOUTH ROAD) & BEARSE'S WAY	5	HSIP	\$ 2,725,632	\$ 2,453,069	\$ 272,563	CONSTRUCTION Total cost \$2,834,657, conceptual design and outreach	Qualitative		0 Assumed Nominal Decrease in Emissions from Sidewalk Infrastructure	
				\$ -	\$ -	\$ -		N/A		0 N/A	
HSIP Subtotal ►				\$ 2,725,632	\$ 2,453,069	\$ 272,563	◄ Funding Split Varies by Project Specifications	Quantified	0		
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
				\$ -	\$ -	\$ -		N/A		0 N/A	
CMAQ Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal	Quantified	0		
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►				\$ 6,294,912	\$ 6,329,788	◄Total	\$ 34,876 Target Funds Available				
Total STP Programmed ►				\$ 3,569,280	\$ 4,954,246	◄ Max. STP	\$ 1,384,966 STP Available				
Total HSIP Programmed ►				\$ 2,725,632	\$ 458,514	◄ Min. HSIP	\$ (2,267,118) HSIP Minimum Met				
Total CMAQ Programmed ►				\$ -	\$ 917,028	◄ Min.	\$ 917,028 CMAQ Minimum Not Met				
► Section 1B / Federal Aid Bridge Projects											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0 N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0 N/A	
BR Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal	Quantified	0		
► Section 1C / Federal Aid Non-Target Projects											
► Earmarks											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0 N/A	
				\$ -	\$ -	\$ -		N/A		0 N/A	
Earmarks Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Earmark	Quantified	0		
► Other											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0 N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0 N/A	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source	Quantified	0		
► Section 1D / Federal Aid Major & State Category Projects											
► IM - Interstate Maintenance											
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0 N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		N/A		0 N/A	
IM Subtotal ►				\$ -	\$ -	\$ -	◄ 90% Federal + 10% Non-Federal	Quantified	0		
► NHS - National Highway System											
	No Projects Programmed			\$ -	-	-		N/A		0 N/A	
	No Projects Programmed			\$ -	-	-		N/A		0 N/A	
NHS Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal	Quantified	0		
► Other											
	No Projects Programmed			\$ -	-	-		N/A		0 N/A	
	No Projects Programmed			\$ -	-	-		N/A		0 N/A	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source	Quantified	0		
► Section 2A / Non-Federal Projects											
	No Projects Programmed			\$ -		\$ -		N/A		0 N/A	
	No Projects Programmed			\$ -		\$ -		N/A		0 N/A	
Non-Federal Projects Subtotal►				\$ -		\$ -	◄100% Non-Federal	Quantified	0		
► Section 2B / Non-Federal Bridge Projects											
	No Projects Programmed			\$ -		\$ -		N/A		0 N/A	
	No Projects Programmed			\$ -		\$ -		N/A		0 N/A	
Non-Federal Bridge Projects Subtotal►				\$ -		\$ -	◄100% Non-Federal	Quantified	0		
2015 Cape Cod MPO TIP Summary											
TIP Section 1: ▼				Total of All Projects ▼					Total Quantified Impact ▼	2015 Cape Cod TIP GHG Tracking Summary	
Total ►				\$ 6,294,912	\$ -	\$ 6,294,912	◄ Total Spending in Region	Quantified	0		
Federal Funds ►				\$ 5,308,493	\$ 5,308,493	\$ 5,308,493	◄ Total Federal Spending in Region				
Non-Federal Funds ►				\$ 986,419	\$ -	\$ 986,419	◄ Total Non-Federal Spending in Region				

2015 Cape Cod MPO Transportation Improvement Program								2015 Cape Cod TIP GHG Tracking			
				05/21/12 Draft Released 06/25/12 Endorsed							
MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	GHG Analysis Type ▼	GHG Impact by the Numbers ▼	GHG Impact Description ▼	Additional Description

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

Regional Transit Outlook						05/21/12 Draft Released							
Project List (FY15)						06/25/12 Endorsed							
FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	& Activity Line Item Codes	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Number of Vehicles
						RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5307 ▶	CCRTA	Operating Assistance	300-00		\$269,060	\$0	\$0	\$0	\$0	\$269,060	\$0	\$538,120	11
	CCRTA	Bus Other Capital Items	117-00		\$4,916,191	\$0	\$0	\$0	\$0	\$1,229,048	\$0	\$6,145,239	
	CCRTA	Transit Enhancements	119-00		\$51,146	\$0	\$0	\$0	\$12,787	\$0	\$0	\$51,146	
	CCRTA	Bus Equipment and Facilities	114-00		\$1,860,338	\$241,356	\$0	\$0	\$223,729	\$0	\$0	\$2,101,694	
5307 Subtotal ▶					\$7,096,735	\$241,356	\$0	\$0	\$236,515	\$1,498,108	\$0	\$8,836,199	
5309 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5309 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5310 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5310 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5311 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5311 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5316 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5316 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5317 ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5317 Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SoGR ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Livability ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TIGER ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Grants Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Other ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal ▶					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Non-Federal (RTACAP)▶						\$0	\$0	\$0	\$0	\$0	\$0	\$0	
						\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Non-Federal (Other State & Locally Funded Projects)▶						\$0	\$0	\$0	\$0	\$0	\$0	\$0	
						\$0	\$0	\$0	\$0	\$0	\$0	\$0	

		\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal ►	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL PROGRAMMED	\$7,096,735	\$241,356	\$0	\$0	\$236,515	\$1,498,108
							\$8,836,199

Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
FFY 15 / 5307	\$ 7,096,735	\$ 4,332,663	NA
FFY 15 / 5309	\$ -	\$ -	\$ -

Note: Agency will use carry over S5307 to supplement the annual allocation.

State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
RTACAP	\$ 241,356	\$ 241,356	\$ -
ITCCAP	\$ -	\$ -	n/a
SCA	\$ 1,498,108	\$ 3,232,358	n/a
TDC	\$ 236,515	\$236,515	n/a

2016 Cape Cod MPO Transportation Improvement Program

05/21/12 Draft Released
06/25/12 Endorsed

2016 Cape Cod TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	GHG Analysis Type ▼	GHG Impact by the Numbers ▼	GHG Impact Description ▼	Additional Description on ▼
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► Section 1A / Federal Aid Target Projects

► STP - Surface Transportation Program

606461	ORLEANS- INTERSECTION IMPROVEMENTS @ ROUTE 6A & MAIN STREET & ROUTE 28 & MAIN STREET	5	STP	\$ 2,294,723	\$ 1,835,778	\$ 458,945	CONSTRUCTION Total cost \$2,294,723, preliminary design	N/A	0	N/A	
606596	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	5	STP	\$ 3,442,084	\$ 2,753,667	\$ 688,417	CONSTRUCTION Total cost \$3,442,084 (POSSIBLE CMAQ for future CMAQ consultation process), outreach and preliminary design	N/A	0	N/A	
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANNOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	STP	\$ 2,382,332	\$ 1,905,866	\$ 476,466	CONSTRUCTION Total cost \$3,442,084 (Possible HSIP, RSA to be performed; Possible CMAQ for future CMAQ consultation process), outreach	N/A	0	N/A	
STP Subtotal ►				\$ 8,119,139	\$ 6,495,311	\$ 1,623,828	◄ 80% Federal + 20% Non-Federal	Quantified	0		

► HSIP - Highway Safety Improvement Program

	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
HSIP Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Project	Quantified	0		

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
CMAQ Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal	Quantified	0		

► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 8,119,139	\$ 8,119,139	◄Total	\$ -	Target Funds
Total STP Programmed ►	\$ 8,119,139	6,743,597	◄ Max. STP	\$ (1,375,542)	STP over maximum
Total HSIP Programmed ►	\$ -	458,514	◄ Min. HSIP	\$ 458,514	HSIP Minimum Not
Total CMAQ Programmed ►	\$ -	917,028	◄ Min. CMAQ	\$ 917,028	CMAQ Minimum Not

► Section 1B / Federal Aid Bridge Projects

	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
BR Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal	Quantified	0		

► Section 1C / Federal Aid Non-Target Projects

► Earmarks

	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
Earmarks Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Earmark	Quantified	0		

► Other

	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding	Quantified	0		

► Section 1D / Federal Aid Major & State Category Projects

► IM - Interstate Maintenance

	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
	No Projects Programmed			\$ -	\$ -	\$ -		Qualitative	0	N/A	
IM Subtotal ►				\$ -	\$ -	\$ -	◄ 90% Federal + 10% Non-Federal	Quantified	0		

► NHS - National Highway System

606179	DENNIS - HARWICH - BREWSTER - ORLEANS - RESURFACING AND RELATED WORK ON RTE. 6			\$ 6,145,440	4,916,352.0	1,229,088.0	CONSTRUCTION \$6,145,440 DRAINAGE? (31 total lane miles, 2.5 lanes/shoulder from milemarker 78.5 to 90.9), preliminary design	Qualitative	0	N/A	
				\$ -	-	-		Qualitative	0	N/A	
NHS Subtotal ►				\$ 6,145,440	\$ 4,916,352	\$ 1,229,088	◄ 80% Federal + 20% Non-Federal	Quantified	0		

► Other

	No Projects Programmed			\$ -	-	-		Qualitative	0	N/A	
	No Projects Programmed			\$ -	-	-		Qualitative	0	N/A	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding	Quantified	0		

2016 Cape Cod MPO Transportation Improvement Program								2016 Cape Cod TIP GHG Tracking			
05/21/12 Draft Released 06/25/12 Endorsed											
MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	GHG Analysis Type ▼	GHG Impact by the Numbers ▼	GHG Impact Description ▼	Additional Description ▼

► Section 2A / Non-Federal Projects

	No Projects Programmed			\$ -		\$ -		Qualitative	0	N/A	
	No Projects Programmed			\$ -		\$ -		Qualitative	0	N/A	
Non-Federal Projects Subtotal ►				\$ -		\$ -	◄ 100% Non-Federal	Quantified	0		

► Section 2B / Non-Federal Bridge Projects

	No Projects Programmed			\$ -		\$ -		Qualitative	0	N/A	
	No Projects Programmed			\$ -		\$ -		Qualitative	0	N/A	
Non-Federal Bridge Projects Subtotal ►				\$ -		\$ -	◄ 100% Non-Federal	Quantified	0		

2016 Cape Cod MPO TIP Summary				TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	2016 Cape Cod TIP GHG Tracking Summary			
Total ►				\$ 14,264,579	\$ -	\$ 14,264,579	◄ Total Spending in Region	Quantified	0	
Federal Funds ►				\$ 11,411,663		\$ 11,411,663	◄ Total Federal Spending in Region			
Non-Federal Funds ►				\$ 2,852,916	\$ -	\$ 2,852,916	◄ Total Non-Federal Spending in			

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

nsit Outlook

05/21/12 Draft Released

16)

06/25/12 Endorsed

Regional Transit Authority ▼	Project Description ▼	& Activity Line Item Codes	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Number of Vehicles
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
CCRTA	Operating Assistance	300-00		\$269,060	\$0	\$0	\$0	\$0	\$269,060	\$0	\$538,120	11
CCRTA	Bus Other Capital Items	117-00		\$5,063,678	\$0	\$0	\$0	\$0	\$1,265,920	\$0	\$6,329,598	
CCRTA	Transit Enhancements	119-00		\$52,681	\$0	\$0	\$0	\$13,170	\$0	\$0	\$52,681	
CCRTA	Bus Equipment and Facilities	114-00		\$1,916,148	\$241,356	\$0	\$0	\$237,681	\$0	\$0	\$2,157,504	
5307 Subtotal ►				\$7,301,567	\$241,356	\$0	\$0	\$250,851	\$1,534,980	\$0	\$9,077,903	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5309 Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5310 Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5311 Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5316 Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
5317 Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Grants Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal ►				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

[illegible]

Analysis

Programmed ▼	Available ▼		(+/-) ▼	
\$ 7,301,567	\$ 4,332,663		NA	
\$ -	\$ -		\$ -	

I use carry over S5307 to supplement the annual allocation.

State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
RTACAP	\$ 241,356	\$ 241,356	\$ -	
ITCCAP	\$ -	\$ -	n/a	n/a
SCA	\$ 1,534,980	\$ 3,232,358	n/a	n/a
TDC	\$ 250,851	\$250,851	n/a	n/a

PROJECTS IN NEED OF FUNDING (For Information Only)
Estimated Cost

BARNSTABLE	URBAN AREA	Airport Rotary improvements, including potential 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 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 with median divider, sidewalk and multiuse path, 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
BARNSTABLE	URBAN AREA	Barnstable Route 6A at Route 132 roundabout	\$ 1,200,000
BOURNE	URBAN AREA	Main Street improvements in Buzzards Bay -- business and government center; regional marine research education	\$ 1,200,000
BOURNE	URBAN AREA	Belmont Circle Intersection Improvement Project	\$ 5,110,000
BOURNE	URBAN AREA	Bourne Rotary Improvement Project	\$ 50,000,000
BOURNE	URBAN AREA	Route 6 / Route 28 Bypass --Memorial Circle to Belmont Circle (1.1 miles)	\$ 2,000,000
BOURNE	URBAN AREA	Memorial Circle Intersection Improvement Project	\$ 1,125,000
BOURNE	URBAN AREA	Route 6 Scenic Highway Median Barrier	\$ 12,000,000
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 upgrade	\$ 6,000,000
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 28 sidewalks	\$ 2,000,000
EASTHAM	URBAN AREA	Route 6 and Governor Prence Road Improvements - Bicycle / Pedestrian	\$ 1,000,000
HARWICH	URBAN AREA	Route 39 section, 1.6 miles from Bay Road to Brewster TL	\$ 2,000,000
HARWICH	URBAN AREA	Route 39 section, 2.0 miles from Oak Street to Queen Anne Road	\$ 2,500,000
ORLEANS	URBAN AREA	Rock Harbor Road drainage improvements and roadway reconstruction	\$ 600,000

PROJECTS IN NEED OF FUNDING (For Information Only)**Estimated Cost**

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
WELLFLEET		Chequessett BR Rehabilitation	\$	12,000,000
YARMOUTH	URBAN AREA	Yarmouth, Porous 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
TOTAL			\$	178,190,000

Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Advertisin g DATE	AWARD or BID OPENIN G DATE	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	Estimated cost or award amount	FUND advertise d	YEAR adverstised (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	CMQ	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	BARNs-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	CMQ	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
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	

Barnstable County, Cape Cod Commission, pl

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)
601422	BOURNE +	Head of the Bay Road, (also Plymouth and Wareham)	? See below	-- 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	den 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	3/42/01	bids opened 5/22/01, re-adv 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	MASHPEE	Route 28 FaTL 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-03-01	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	
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	warded-terminate	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	

Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Advertisin g DATE	AWARD or BID OPENIN G DATE	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	Estimated cost or award amount	FUND advertise d	YEAR adver- tised (FFY)
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	7/10 underway	town	\$783,933	STP-E	2009
604096	BARNSTABLE	Rte. 28 at 3 locations Rte. 149, So. County Rd., Lumbert Mill f	6/27/09	9/1/09	\$3,200,000	CMAQ	complete	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 Harl	9/1/09		\$458,514	HSIP	complete	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
2009 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	underway	state	\$1,868,000	HSIP	2010
604744	SANDWICH	Rte 130 at Rte 6 off-ramps, construct traffic signals & improv	9/11/10	2/8/11	\$2,434,000	STP	underway	state	\$1,521,000	STP	2010
605943	BOURNE-SANDWICH	ITS - Camera & equipment installation at Sagamore & Bourne	9/11/10	1/19/11	\$1,000,000	STP	underway	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	\$5,100,591	
604918	HARWICH	Route 137 Reconstruct & Improve QueenAnneRd to BrewTL	8/30/11	11/22/11	\$5,916,934	STP-U, CMAQ	underway	state	\$5,333,643	STP-U	2011
606131	SANDWICH	Intersection Cotuit Rd at Harlow / So. Sand. Rd. roundabout	9/7/11	11/22/11	\$1,043,641	HSIP	underway	state	\$1,098,743	HSIP	2011
606295	SANDWICH	Route 6 cable barrier installation	7/29/11	8/16/11	\$300,000	HSIP	underway	state	\$289,867	HSIP	2011
605619	FALMOUTH	Route 28 Resurfacing & Related Work	9/7/11	11/29/11	\$5,686,424	NHS		state	\$5,369,217	NHS	2011
2011 ADVERTISING PROGRAM									TOTAL	\$12,091,470	
605243	YARMOUTH	Old Town House Rd at Forest Rd Intersection & Signal improv	2/22/12	5/30/12	\$1,221,000	HSIP		town	\$1,221,000	HSIP	2012
605375	DENNIS	Rte. 134 from Upper County Rd. to Rte. 28	5/19/12	7/17/2012*	\$4,390,504	CMAQ TE HSIP		town	\$4,390,504	CMAQ- HSIP	2012
605291	DENNIS	BR# D-007-001 UpperCountyRd, BR# D-07-006	6/9/12	7/17/2012*	\$10,964,561	BR		state	\$10,964,561	BR	2012
	CCRTA	New transit service Bourne-Sandwich	12/5/11	1/30/12	\$138,580	CMAQ	transferred	state	\$138,580	CMAQ	2012
	CCRTA	New transit service Bourne-Falmouth	12/5/11	1/30/12	\$137,540	CMAQ	transferred	state	\$137,540	CMAQ	2012
2012 ADVERTISING PROGRAM									TOTAL	\$16,852,185	

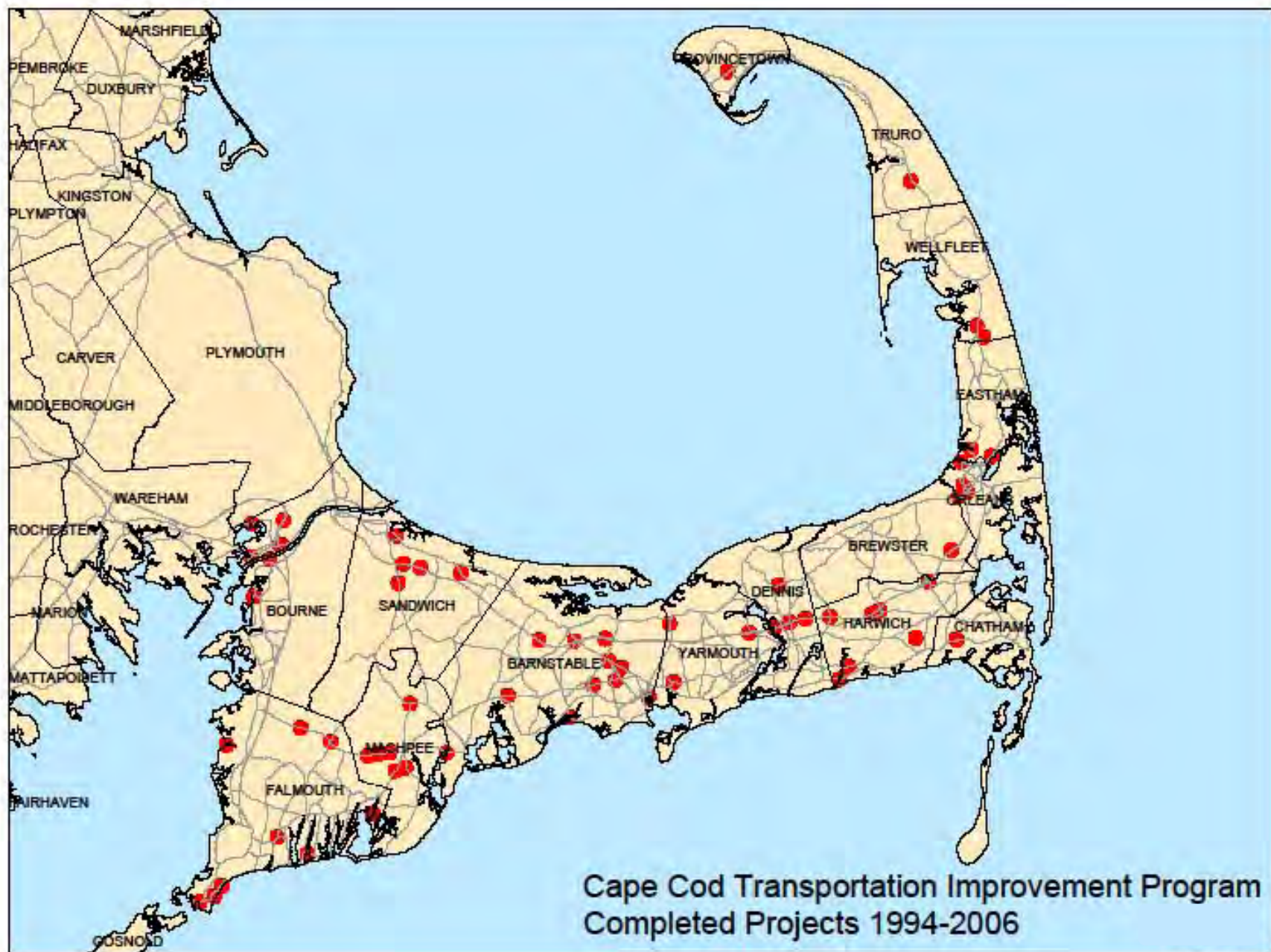
* proposed bid opening date

** proposed completion date for project

FEDERAL AID amount advertised or obligated (from FHWA sources) \$164,603,618

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. \$196,854,589



Federal Fiscal Year 2013			
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5307			
Planning	-	-	\$ -
Capital	\$ 1,753,547	\$ 1,753,547	\$ -
Operating	\$ 4,903,042	\$ 4,903,042	\$ -
Transit Enhancements	\$ 48,210	\$ 48,210	\$ -
sub-total	\$ 5,610,492	\$ 5,610,492	\$ -
Section 5307 Carryover	\$ 7,171,563	\$ 7,171,563	\$ -
Planning	\$ -	\$ -	\$ -
Capital			\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 7,171,563	\$ 7,171,563	\$ -
TOTAL	\$ 12,782,055	\$ 12,782,055	\$ -
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 2015			
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5307			
Planning	-	-	\$ -
Capital	\$ 1,860,338	\$ 1,860,338	\$ -
Operating	\$ 4,054,290	\$ 4,054,290	\$ -
Transit Enhancements	\$ 49,592	\$ 49,592	\$ -
sub-total	\$ 5,964,219	\$ 5,964,219	\$ -
Section 5307 Carryover	\$ 5,326,710	\$ 5,326,710	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 5,326,710	\$ 5,326,710	\$ -
TOTAL	\$ 11,290,929	\$ 11,290,929	\$ -
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	\$ 1,806,153	\$ 1,806,153	\$ -
Operating	\$ 5,042,061	\$ 5,042,061	\$ -
Transit Enhancements	\$ 49,657	\$ 49,657	\$ -
sub-total	\$ 6,897,872	\$ 6,897,872	\$ -
Section 5307 Carryover	\$ 5,171,563	\$ 5,171,563	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 5,171,563	\$ 5,171,563	\$ -
TOTAL	\$ 10,343,126	\$ 10,343,126	\$ -
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 2016			
FTA Categories	Authorized and Carryover	Programmed	Balance
Section 5307			
Planning	-	-	\$ -
Capital	\$ 1,916,148	\$ 1,916,148	\$ -
Operating	\$ 5,332,737	\$ 4,054,290	\$ -
Transit Enhancements	\$ 52,681	\$ 49,592	\$ -
sub-total	\$ 7,301,566	\$ 6,020,030	\$ -
Section 5307 Carryover	\$ 5,486,511	\$ 5,486,511	\$ -
Planning	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -
Transit Enhancements	\$ -	\$ -	\$ -
CMAQ/HPP/STP Transfers	\$ -	\$ -	\$ -
sub-total	\$ 5,486,511	\$ 5,486,511	\$ -
TOTAL	\$ 12,788,077	\$ 11,506,541	\$ -
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	\$ -	\$ -	\$ -

STATUS OF FFY 2012 TRANSIT PROJECTS

Federal Funds

RTA	MPO	Section	Description	Federal Funds	Approval status	Grant#	Comments
CCRTA	Cape Cod	5320	FY08 Replacement Vehicles for P/T Shuttle	\$1,850,000	approved	MA-20-X002-00	completed
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-90-X573-00	completed
CCRTA	Cape Cod	5317	FY10 New Freedom Accessable Taxis	\$236,222	approved	MA-57-X0012-00	ongoing
CCRTA	Cape Cod	5307	FY10 Replenish ARRA 2.6 MBTA compatable EFS	\$635,322	approved	MA-66-X009-00	ongoing
CCRTA	Cape Cod	5317	FY11 Cape Cod Mobility Management Technology	\$86,810	approved	MA-57-X019-00	ongoing
CCRTA	Cape Cod	5307	FY10 Operating/FY11 Capital Budget/Rail Study	\$2,535,396	approved	MA-90-X601-00	ongoing
CCRTA	Cape Cod	5316	FY11-FY13 CCRTA Holiday Service(3yr.)	\$117,711	approved	MA-37-X017-00	ongoing
CCRTA	Cape Cod	5320	FY11 Update Cape Cod Transit Plans	\$200,000	approved	MA-20-X004-00	ongoing
CCRTA	Cape Cod	5307	FY11 Operating/FY12 Capital Budget	\$3,581,400	approved	MA-90-X615-00	ongoing
				\$13,905,800			

State Funds

RTA		Section	Description	State Funds	Approval status	Grant#	Comments
CCRTA	Cape Cod	MAP-33	Mobility Assistance-4MB/8Vans	\$652,487	approved	MA State Contract (EOTC)	ongoing
CCRTA	Cape Cod		RTACAP'10	\$162,404	approved	MA State Contract (EOTC)	<u>Completed</u>
CCRTA	Cape Cod		RTACAP'11	\$22,682	approved	MA State Contract (EOTC)	<u>Completed</u>
CCRTA	Cape Cod		RTACAP'12	\$226,720	approved	MA State Contract (EOTC)	ongoing
CCRTA	Cape Cod		5311 Operating Assistance	\$46,018	approved	MA State Contract (EOT)	<u>ongoing</u>

ATTACHMENTS

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



CAPE COD
COMMISSION

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
MassDOT	Massachusetts Department of Transportation
MEPA	Massachusetts Environmental Protection Act
MHD	Massachusetts Highway Department or MassHighway Department
MPO	Metropolitan Planning Organization or Cape Cod Metropolitan Planning Organization
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
STEAA	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 Geological 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. The MPO is expected to consider TIP FFY 2013-2016 endorsement at their meeting on June 25, 2012, in Barnstable.

Comments on this TIP may be sent via mail, hand delivered, by facsimile, or via e-mail, by noon on Thursday, June 21, 2012, 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:

Dennis Walsh, Cape Cod Regional Transit Authority, commented that the CMAQ grants total cost is incorrect—the CMAQ amount is 80% of the total cost

Paul Maloney, P.E., FEDERAL HIGHWAY ADMINISTRATION (FHWA) provided comments on this TIP submitted as comments in the document, and these are summarized below: Include Pamela S. Stephenson, Division Administrator, - Non-Voting, in place of Paul Maloney, P.E., on the MPO Ex-Officio Members list (page 2)

On the highway project programming lists for 2013-2014, FHWA requested the addition of design status and total estimated costs where that was not entered, and to add the year of funding where it applied, e.g., transit service CMAQ Year 2 of 3. FHWA also requested that CCC work with MassDOT to identify projects for CMAQ and HSIP minimums where projects had not been yet determined. { Potential projects for this funding are in discussion, and will be inserted with a future TIP Amendment or TIP process. }

FHWA inquired on the advertising and status, page 38, if the Dennis bridges were advertised in May, and if so, to add the advertising date. {The latest information on release of the Draft TIP, May 21, 2012, was that they were to be advertised in May, however, the Dennis bridges project was not advertised until June 9, 2012, and that information is now updated in the Final Draft TIP.}

Other comments and/or questions at the TIP Public Meeting on June 6, 2012, included:

Wendy Northcross, Cape Cod Chamber, is there any funding available for Canal Area planning in the TIP? {possibly, this needs to be explored}.

Tony DaSilva, CapeNet, wondered about including conduit in TIP projects. {Priscilla suggested that he attend the CCJTC with Dan Gallagher}.

There were also general procedural questions on the TIP process and design.



WEST CHATHAM VILLAGE and BUSINESS ASSOCIATION
Balancing Environment, Economic Development, Historic Preservation

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

May 22, 2012

Re: Project #606596; Chatham – Improvements on West Main Street (Route 28), from George Ryder Road to Barn Hill Road – \$3,442,084

Dear Ms. Leclerc:

We are writing in support of placing the above referenced project on the 2016 Cape Cod MPO Transportation Improvement Program. Our neighborhood association consists of West Chatham residents, property owners and business owners. Over the past three years, we have sponsored numerous forums to inform and raise public awareness of Chatham's *Comprehensive Plan* to revitalize West Chatham center and protect Main Street from overdevelopment. This project is a vital component of the Plan.

Chatham's aggressive traffic calming request, endorsed by the Board of Selectmen, is based on an independent study funded by the Cape Cod Commission and Barnstable County and on MASS DOT's *Project Development & Design Guide*. Traffic calming is a prerequisite to the village center concept embodied in Chatham's *Comprehensive Plan* to protect Main Street.

On behalf of our Association members, we would like to express our appreciation to the Cape Cod Commission and MASS DOT for your work in advancing this very important project.

Sincerely,

WCVBA Board of Directors
Darci Sequin, Chairman; Joe Craig; Dick Gulick; Rick Leavitt; Craig Vokey

Cc Florence Seldin, Chairman – Chatham Board of Selectmen
Jill Goldsmith, Chatham Town Manager

The West Chatham Association, Inc.

P.O. Box 291
West Chatham, MA 02669-0291
www.westchathamassociation.com

May 22, 2012

Ms. Mary-Joe Perry
District 5 Highway Director
MassDOT
1000 County Street
Taunton, MA 02780

Re: West Chatham Roadway and Intersections Project

Dear Director Perry:

I am writing on behalf of the West Chatham Association, Inc. Board of Directors to advise you that the petition originated by the business owners in the West Chatham neighborhood center has been temporarily suspended, and that the rally in date is 2,186 signatures. We know that many more signatures could be collected, but we do not want any duplication, and with the reason of part time residents and their families that could occur inadvertently. You might also want to know that there was no effort to collect signatures throughout the town. This number, 2,186, is the result of a handful of businesses in the West Chatham neighborhood center asking their neighbors and customers whether or not they supported the Board of Selectmen's "concept plan". The business owners and our association take pride in the fact that these signatures are from residents, business owners, employees, and people with ties to West Chatham. There is an address attached to each signature. Those who signed were not tourists passing through. Not unimportant is the fact that 32 business owners in the neighborhood center have also signed the petition.

We are enclosing copies of the petitions with signatures you have not received before. We ask that they, along with those sent previously, be made part of the record to confirm that citizens and the community strongly objects to the elimination of the two-way turning lane, and, as you can read on the petition itself, (to our tax dollars (local and state) being used to support the elimination of the turning lane. There are also objections to other parts of the Board of Selectmen's concept plan, but it is the proposed elimination of the turning lane that has engendered the strongest opposition.

We were able to obtain a copy of your letter to the Chairman of our Board of Selectmen, dated January 3, 2012, and we want you to know that there has been *no* public outreach on the part of the Selectmen. They are well aware of the overwhelming opposition to their plan and yet continue to pursue their own position which is out of touch with the wishes of townspeople. We have several times requested meetings, only to be ignored.

We wish to once again explain that the Board of Selectmen attempted to use a letter that had been solicited from the Chamber of Commerce as an example of support for their concept. The Chamber, when it learned of this, issued a second letter explaining that they were not in support of any specific plan or concept. The Board of Selectmen also used a letter from the Summer Advisory Committee (SAC) to confirm support for their concept. This is a five member committee whose members are appointed by the Selectmen and who do not survey the summer residents for their opinions on matters of interest. In fact, hundreds of summer residents have signed the petition and favor the continuation of the turning lane. There is very little support for the Board's concept plan anywhere in Chatham. Even the consulting traffic engineer who conducted a study of the traffic situation in West Chatham did not recommend the Selectmen's position on the two-way turning lane.

Now Town officials have issued a Request for Response for "Traffic Engineering Services for Improvements to Route 28, West Chatham Intersections and Corridor Project", despite the outpouring of opposition to the plan voted by four of the five Selectmen, with Selectman Tim Roper voting to continue the turning lane. In your letter referred to above, you stated that "District 5 looks forward to working with the town as it endeavors to solidify broad support for the subject transportation improvement proposal". We appreciate that statement, and can tell you that Mr. Bernard McCourt and Mr. Michael Delaney both pledged to us that such broad public support was required. We and the 2,186 individuals who signed the petition are counting on such insistence to continue.

We are copying Ms. Hazzar on this letter; however, she has already made up her mind that the elimination of the turning lane is a good thing. She told several of us at a Cape Cod Commission Metropolitan Planning Organization meeting in November, 2011 that she cannot imagine why people are against the elimination of the turning lane. We believe that the signatures on the petition confirm that those of us who use Route 28 on a daily basis believe that the turning lane is beneficial and the business owners and operators in the neighborhood depend on it for their livelihood.

We welcome you to your new position at District 5 and look forward to working with you in an effort to improve Route 28 between George Ryder and Barnhill Roads. Certain improvements will be very welcome and for that reason we are pleased that Chatham is now on the TIP list for possible funding in 2016.

Sincerely,

David L. Burns, MD, President, For the Board of Directors
cc: Board of Selectmen, Town of Chatham
Town Manager Jill Goldsmith
Priscilla Leclerc, Cape Cod Commission
Pamela Hazzar, MassDOT
Terry Whalen, Town of Chatham Principal Planner
Daniel Meservy and Business Owners, West Chatham Neighborhood Center



CAPE COD
COMMISSION

**STATEMENT ON BEHALF OF 2,186 CHATHAM RESIDENTS,
PROPERTY OWNERS, BUSINESS OWNERS AND OPERATORS, AND
OTHERS WITH TIES TO THE WEST CHATHAM COMMUNITY***

**PUBLIC MEETING ON THE DRAFT TRANSPORTATION IMPROVEMENT
PROGRAM (TIP), JUNE 8, 2012 AT 3:30 PM, CAPE COD COMMISSION OFFICE**

I am Dr. David Burns, President of the incorporated West Chatham Association, a certified 501(c)(3) organization under the Internal Revenue Code. The West Chatham Association has been representing citizens, residents, property and business owners of Chatham and particularly of West Chatham since 2003. We ask that this statement be included in its entirety in any report of today's public meeting and be made part of the Metropolitan Planning Organization's (MPO) master file.

At the December 2011 meeting of the MPO, we presented copies of over 1700 signatures of townspeople, including 32 business owners, all of whom are opposed to the elimination of the two-way turning lane in West Chatham between Barn Hill and George Ryder Roads, which is our neighborhood center. A handful of local businesses collected those signatures, and since then, the businesses have collected additional signatures for a total of 2,186. All of these were sent to Ms. Leclerc and we requested that she bring them to the attention of the Joint Transportation Committee and the Metropolitan Planning Organization so that members could see for themselves that there is an address attached to each signature – that those who signed were not merely tourists passing through. Also we wanted you to see that abutters and the community strongly object to the unpopular proposal from four of our five selectmen who want to eliminate the turning lane. Those who signed the Petition also stated, for the record, that we do not want our tax dollars, local or state, to support the elimination of this turning lane which is so important to businesses and residents alike. The 32 business owners comprise an overwhelming majority of businesses in the 1200 foot neighborhood center and they stand firm in their opposition to the Selectmen's proposal.

While we support that the Town of Chatham be placed on the Transportation Improvement Plan, we ask that only the concept of roadway improvements be recognized and certainly not the specifics of the plan as presented in the PIF. Town officials are using left over funds approved at the 2007 Town Meeting to fund the design – their design, to eliminate the two-way turning lane. When these funds were approved for roads, sidewalks, and bike paths throughout the town, the elimination of the turning lane was not part of the package, and therefore there is strong resentment that our tax dollars are being used to fund the design of a roadway we do not want.

When the Joint Transportation Committee meets, Chatham Staff members will not be speaking for the community, only for four Selectmen and literally a dozen or fewer supporters. Townspeople have spoken for themselves and you see it in the 2,186 signatures on the Petition. The Selectmen purported to have support from Chatham's Chamber of Commerce, but when the Chamber learned of the claim, they immediately sent a letter correcting their misrepresented position. The Selectmen also alleged support from Summer Residents, when in fact the support came from five individuals who make up the Summer Residents Committee, appointed by the Selectmen. This Committee does not survey summer residents, many of whom signed the Petition stating opposition to the Selectmen's proposal.

Hundreds of us attended meetings for more than three years on this roadway project, and at every meeting it was made clear that citizens and business owners are not in favor of the Selectmen's plan to eliminate the turning lane.

Thank you.

*Signatures submitted to Priscilla Leclerc

Dr. David Burns
read this
statement at the
TIP Public
Meeting on June
6, 2012.

Copies of the
petitions are
available for
viewing at the
Cape Cod
Commission
office.



WEST CHATHAM VILLAGE and BUSINESS ASSOCIATION
Balancing Environment, Economic Development, Historic Preservation

Ms. Mary—Joe Perry
District Highway Director, District Five
Massachusetts Department of Transportation
1000 County Street
Taunton, MA 02780

June 7, 2012

Re: Project #606596 – Chatham – Improvements on West Main Street (Route 28)
from George Ryder Road to Barn Hill Road; \$3,442,084

Dear Ms. Perry

We are writing in support of the above referenced project. Our neighborhood association represents West Chatham residents, property owners and businesses. Over the past three years we have sponsored numerous public forums featuring local, regional, state and nationally recognized leaders to help inform Chatham residents and raise awareness of Chatham's *Comprehensive Plan* to revitalize West Chatham center and protect Main Street (Route 28) from overdevelopment. The West Chatham Main Street project is an integral and essential part of Chatham's *Comprehensive Plan*.

Conditions in the project area are unsafe for motorists, pedestrians and cyclists. The accident rate on Route 28 between George Ryder Road and Barn Hill Road is more than twice the average rate Statewide (see PIF, pg. 8). An independent roadway analysis of this segment of Route 28 funded by the Cape Cod Commission and Barnstable County concluded that the wider cross section and lane width encourage higher speeds and the lack of roadway definition increases the likelihood of accidents (see West Chatham Grant Study, pg. 8).

The Study quotes Cape Cod Commission staff as citing the need for emphasizing traffic calming aspects in the project area. Commission staff recommends that aggressive design elements to manage traffic flow, moderate vehicle speeds, reduce accidents and severity and afford greater priority to pedestrians and bicyclists should have a high level of importance (see West Chatham Grant Study, Pg. 11).

The above safety information was known to sponsors of a petition circulated in Chatham but the information was not disclosed to the public in the petition's wording. We regret this lack of transparency that prevented Chatham residents from considering information vital to their safety. Consequently, we believe the petition expresses only the interests of its sponsors, the West Chatham Association (not affiliated with our association).

By contrast, community interest is widely expressed. Chatham's Selectmen endorse the project. In addition to our Association members and the many hundreds who attended our public forums and expressed their support, Chatham's Summer Residents Advisory Committee endorses the project also. This committee represents the interests of over half of all Chatham residents. Summer residents focus on recreational safety while walking, jogging and cycling. After careful study, their Advisory Committee endorsed the project at summer residents Town Meeting. The Cape Cod Chronicle, a respected local paper, has endorsed the project and in another editorial this week marking Chatham's 300th anniversary urged that Chatham's *Comprehensive Plan* be implemented.

The partnership of state, regional and local officials working together on this project is testimony to what can be done to address resident's concerns. Your agency's participation is much appreciated.

Sincerely,

West Chatham Village and Business Association Directors
Darci Sequin, Chair; Joe Craig; Dick Gulick; Rick Leavitt; Craig Vokey

Cc: Jill Goldsmith – Chatham Town Manager
Pam Haznar, PE – Project Development Engineer
Priscilla Leclerc – Senior Transportation Planner -- Cape Cod Commission

Members, Metropolitan Planning Organization
c/o Ms. Priscilla Leclerc

We have reviewed the 2 documents noted for MPO approval on June 25 and have no objection to the contents with one exception. We are concerned about the amount of money being requested for the West Chatham RT 28 project in the 2016 TIP.

The PIF provided by the town calls for elimination of the center turning lane, a new traffic light at Barn Hill Road & RT 28 and a new roundabout at George Ryder Road and RT 28. We assume this configuration is the basis for the capital cost estimate used in the TIP report. However this road configuration is not in keeping with the will of the people as expressed in a petition to keep the center turning lane signed by 2186 people, including 32 businesses in West Chatham.

There is general agreement for ADA approved crosswalks, an improved north sidewalk, a new 5 foot south sidewalk, and narrowed travel lane widths along the approx 1100 foot road length. By remarking the lanes to an approx 11 foot width for the 2 travel and one center turn lane, there would be room for the sidewalk changes. This configuration would be a less expensive solution.

We are all in agreement that a traffic light at Barn Hill should be installed.

The George Ryder Road and RT 28 intersection is very problematic due to the poor alignment of Geo Ryder Road and Geo Ryder Road South at RT 28. The roundabout proposed in the PIF did not have wide acceptance and will be costly to implement. It will involve much land taking and an adverse impact on abutting businesses. If a single traffic light system can be accommodated with minor road straightening, then this would be a better option.

Another option for this intersection can be found in the West Chatham Grant Study (WCGS) report of 2006 funded by the Cape Cod Commission. See pages 28-31 of that report, but note that a bike path on this section of Geo Ryder Road was eliminated since this report was issued. By using improved road markings, curb radii changes and a median island in a portion of the turn lane (which will direct and slow traffic entering the center from the west), this option would be the most cost effective. Note that all interest groups (public, businesses & the Planning Board) who reviewed the recommendations of the WCGS were all in favor of keeping the turning lane in the West Chatham neighborhood center.

Improvements are needed in the West Chatham corridor and intersections, but the options in the Chatham PIF are more expensive and not supported by the local citizens and businesses. We hope you will follow the wishes of the citizens & businesses and seek a more cost effective solution that maintains the center turning lane. These changes address the desire for lower speeds and a safer pedestrian environment.

Sincerely,

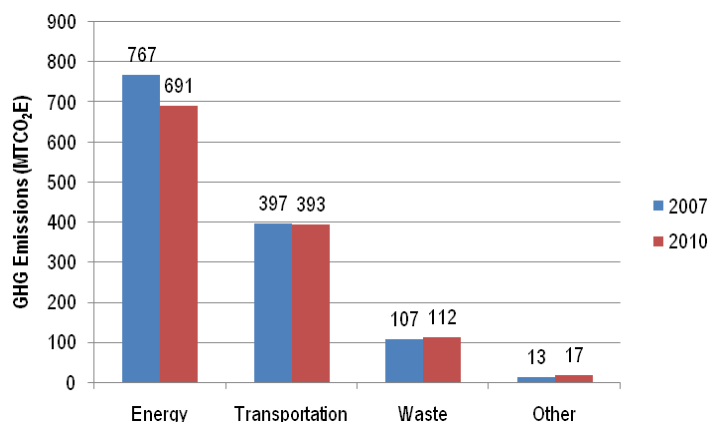
David E. Burns, MD
President
For the West Chatham Association, Inc. Board of Directors



C3. GREENHOUSE GAS (GHG) EMISSIONS

The transportation sector contributes approximately one-third of carbon dioxide (CO₂) emissions nationally. Therefore, to reduce climate change impacts to the environment, a reduction of transportation emissions is beneficial.

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



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

To assist in monitoring GHG emissions, the Cape Cod Transportation Improvement Program (TIP) proposed projects now have a GHG impact number. For example, in TIP Year 2013, the proposed projects provide an estimated reduction in summer CO₂ emissions of 809,490.

2013-2016 TIP GREENHOUSE GAS (GHG) MONITORING AND EVALUATION

INTRODUCTION

This section summarizes the greenhouse gas (GHG) impacts that are anticipated to result from the projects that are included in this FFY 2013 - 2016 Transportation Improvement Program (TIP). It includes a summary of the state laws and policies



that call for reducing greenhouse gas in order to mitigate global climate change, actions that are being to respond to these state laws and policies, the role of regional planning and TIP development in reducing GHG emission and tracking these reductions, and the projected GHG emission impacts from the projects programmed in the TIP.

STATE POLICY CONTEXT

The Global Warming Solutions Act (GWSA), which Governor Deval Patrick signed into law in August 2008, makes Massachusetts a leader in setting aggressive and enforceable GHG reduction targets, and implementing policies and initiatives to achieve these targets. In keeping with the law, on December 29, 2010 the Massachusetts Executive Office of Energy and Environmental Affairs (EOEEA), in consultation with other state agencies and the public, released the Massachusetts Clean Energy and Climate Plan for 2020. This implementation plan establishes targets for overall, statewide GHG emissions:

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

GREENDOT POLICY

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

- **Reduce greenhouse gas (GHG) emissions.** MassDOT will achieve this by taking GHG emissions into account in all of its responsibilities, from strategic planning to project design and construction and system operations.
- **Promote the healthy transportation modes of walking, bicycling, and public transit.** MassDOT will achieve this by pursuing multi-modal, "complete streets" design standards; providing choice in transportation services; and by working with MPOs and other partners to prioritize and program a balance of projects that serve drivers, pedestrians, bicyclists, and public transit riders.
- **To support smart growth development.** MassDOT will achieve this by working with MPOs and other partners to make transportation investments that enable denser, smart growth development patterns that support reduced GHG emissions.



GREENDOT POLICY AND METROPOLITAN PLANNING ORGANIZATIONS

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

Regional GHG Tracking and Evaluation in RTPs

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

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

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

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

It is also important to monitor and evaluate the GHG impacts of the transportation projects that are programmed in the MPO Transportation Improvement Programs (TIP). The TIP includes both the larger, regionally-significant projects from the RTPs, which have already had their aggregate GHG impacts calculated and reported in the RTP, as well as smaller projects that are not included in the RTP but that may

nevertheless have impacts on GHG emissions. The principal objective of this tracking is to enable the MPOs to evaluate expected GHG impacts of different projects and to use this information as a criterion for prioritizing and programming projects in future TIPs.

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

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

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

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

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

The Office of Transportation Planning at MassDOT provided the spreadsheets that are used for determining Congestion Management and Air Quality Improvement (CMAQ) eligibility. These spreadsheets require the same inputs as the CMAQ calculations, and have been adapted to provide CO₂ impacts. The data and analysis



required for these calculations is available from functional design reports that should be submitted for projects that would produce a measurable GHG impact.

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

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

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

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

Cape Cod Greenhouse Gas (GHG) calculated quantitative and assumed qualitative impacts of the projects are included in the FFY 2013 - 2016 TIP project lists on pages numbered 18-33.

Cape Cod Metropolitan Planning Organization Operations and Maintenance Summary Table For the Cape Cod Regional Transit Authority

The numbers below represent actual numbers for the previous year, the current year budget/forecast approved by the RTA Advisory Board, and Projections for the out-years as used in the Program Preview meetings with the State. These numbers indicate that there are sufficient revenues projected to meet the operating needs of the area transit authority.

Operating Revenue	Previous	Current	Yr Two	Yr. Three	Yr Four
	2011	2012	2013	2014	2015
Farebox	\$923,900	\$1,101,000	\$1,857,609	\$1,913,337	\$1,970,737
Section 5307	\$3,742,630	\$4,012,002	\$3,880,038	\$3,996,439	\$4,116,332
Section 5311	\$46,018	\$46,018	\$46,018	\$46,018	\$46,018
CMAQ/TDM	\$0	\$0	\$0	\$0	\$0
Fully Funded *	\$4,423,680	\$5,290,380	\$5,997,280	\$6,177,198	\$6,362,514
Job Access/Reverse Commute					
New Freedom					
Advertising					
Interest Income	\$6,000	\$6,500	\$4,300	\$6,896	\$7,103
Rental Income	\$27,200	\$27,200	\$118,600	\$119,786	\$120,984
State Contract Assistance **	\$3,249,026	\$3,029,657	\$3,232,358	\$3,232,358	\$3,232,358
Local Assessment	\$1,466,097	\$1,477,551	\$1,514,490	\$1,552,352	\$1,591,161
Other: (Define)	\$70,000	\$76,400	\$25,732	\$81,053	\$81,053
TOTAL	\$13,954,551	\$15,066,708	\$16,676,424	\$17,125,437	\$17,528,260

Operating Expenses ***	Yr Two	Yr. Three	Yr Four	Yr Four	
	2011	2012	2013	2014	2015
TOTAL (See Description Below)	\$13,954,551	\$15,066,708	\$16,676,424	\$17,125,437	\$17,528,260

Footnotes:

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

** Operating assistance provided by the State

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

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

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

4/26/2012

Program Group/Sub Group	SFY 2010 NFA Expenditures	SFY 2011 NFA Expenditures	Estimated SFY 2012 NFA Expenditures
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	\$0	\$0	\$0
Drawbridge Maintenance	\$165,710	\$179,188	\$111,022
Structure Maintenance	\$2,784,469	\$2,905,453	\$3,248,086
02 - Bridge Painting			
Painting - Structural	\$0	0	\$0
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon. - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	\$10,353	\$810	\$12,933
Hwy Reconstr - No Added Capacity	\$0	\$0	\$0
Hwy Reconstr - Minor Widening	\$0	\$0	\$0
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$477,131	\$506,494	\$597,663
05 - Intersection & Safety			
Impact Attenuators	\$14,688	\$13,789	\$17,440
Safety Improvements	\$0	\$0	\$0
Traffic Signals	\$53,794	\$33,471	\$32,192
06 - Signs & Lighting			
Lighting and Electrical	\$65,316	\$28,709	\$62,058
Sign Installation / Upgrading	\$55,927	\$50,145	\$49,651
Structural Signing	\$0	\$152	\$403
07 - Guardrail			
Guard Rail and Fencing	\$0	\$149,246	\$74,275
08 - Maintenance			
Catch Basin Cleaning	\$0	\$233,535	\$309,367
Crack Sealing	\$0	\$20,892	\$76,010
Landscape and Roadside Develop	\$0	\$25,359	\$42,708
Mowing and Spraying	\$166,849	\$5,974	\$7,049
Pavement Marking	\$0	\$136,105	\$186,593
Sewer and Water	\$0	\$19,776	\$5,666
Process/Recycle/Trnsprt Soils	\$0	\$0	\$130
Contract Hwy Maint.	\$0	\$219,862	\$329,427
09 - Facilities			
Chemical Storage Sheds	\$149,811	\$9,970	\$2,215
Vertical Construction	\$0	\$129,764	\$75,275
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Miscellaneous / No Prequal	\$0	\$59,711	\$76,645
Asbestos Removal	\$0	\$0	\$0
Demolition	\$0	\$1,570	\$0
Drilling and Boring	\$0	\$4,973	\$706
Hazardous Waste Remediation	\$0	\$1,372	\$532
Utilities	\$0	\$0	\$0
Change in Project Value	\$0	\$0	\$0
* Highway Sweeping	\$0	\$0	\$1,015,464
Intelligent Transportation Sys	\$0	\$0	\$0
Unknown	\$0	\$12,890	\$0
Underground Tank Removal Replace	\$0	\$0	\$0
Section I Total:	\$3,944,049	\$4,749,211	\$6,333,509

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

12 - Snow and Ice Operations & Materials	\$3,198,790	\$4,893,396	\$2,013,327
13 - District Maintenance (Mowing, Litter Management, Sight Distance Clearing, Etc.)	\$825,318	\$814,023	\$698,177
Section II Total:	\$4,024,108	\$5,707,419	\$2,711,504

Grand Total NFA:	\$7,968,158	\$10,456,629	\$9,045,014
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Massachusetts Department of Transportation - Highway Division
Summary of Operating and Maintenance Expenditures
Cape Cod Region - Part 2: Federal Aid

Section I - Federal Aid Maintenance Projects

4/26/2012

Program Group/Sub Group	SFY 2010 Federal Aid Expenditures	SFY 2011 Federal Aid Expenditures	Estimated SFY 2012 Federal Aid Expenditures
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	\$703,383	\$23,668	\$213,220
Structure Maintenance	\$2,784,469	\$0	\$0
02 - Bridge Painting			
Painting - Structural	\$0	\$0	\$0
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	\$203,152	\$50,393	\$696,200
Hwy Reconstr - No Added Capacity	\$1,914,028	\$900,455	\$1,458,650
Hwy Reconstr - Minor Widening	\$2,188	\$0	\$0
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$2,858,210	\$79,550	\$164,135
05 - Intersection & Safety			
Impact Attenuators	\$0	\$0	\$0
Safety Improvements	\$228,497	\$0	\$0
Traffic Signals	\$334,908	\$1,636,349	\$842,868
06 - Signs & Lighting			
Lighting and Electrical	\$1,440	\$0	\$0
Sign Installation / Upgrading	\$65,316	\$0	\$0
Structural Signing	\$1,440	\$0	\$0
07 - Guardrail			
Guard Rail and Fencing	\$0	\$123	\$0
08 - Maintenance			
Contract Highway Maintenance	\$0	\$2,739	\$218,857
Landscape and Roadside Develop	\$487,443	\$499,915	\$285,628
Pavement Marking	\$308,991	\$0	\$13,946
Catch Basin Cleaning	\$0	\$0	\$0
09 - Facilities			
Vertical Construction	\$64,561	\$427	\$0
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Intelligent Transportation Sys	\$0	\$143,747	\$647,004
Miscellaneous / No prequal	\$0	\$3,486	\$0
Reclamation	\$0	\$0	\$0
Drilling & Boring	\$0	\$567	\$0
Unknown	\$149,811	\$15,595	\$0
Demolition	\$0	\$0	\$0
Utilities	\$0	\$0	\$0
Marine Construction	\$0	\$3,119	\$0
Section I Total	\$10,107,837	\$3,360,134	\$4,540,507

Section II - Federal Aid Highway Operations

11 - Other			
ITS Operations - I-93 HOV Lane Operation and Towing	\$0	\$0	\$0
ITS Operations - Traffic Operations Center (South Boston)	\$0	\$0	\$0
Section II Total	\$0	\$0	\$0

Grand Total Federal Aid:	\$10,107,837	\$3,360,134	\$4,540,507
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CAPE COD
COMMISSION

C5. 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 beginning in March 2012.

This latest available financial information was used for development of this TIP for FFY 2013-2016.

Summary of Estimated "Highway" Federal Regional Targets 2013-2016 for MPOs -- CAPE COD

Federal Fiscal Year:		2013	2014	2015	2016	Total
Statewide Amount for Regional Targets		\$ 153,035,750	\$ 184,075,000	\$ 138,050,000	\$ 177,075,000	\$ 652,235,750
Cape Cod	4.5851%	\$ 7,016,906	\$ 8,440,099	\$ 6,329,788	\$ 8,119,139	\$ 29,905,932
CMAQ		\$917,028	\$917,028	\$917,028	\$917,028	\$ 3,668,112
HSIP		\$458,514	\$458,514	\$458,514	\$458,514	\$ 1,834,056
STP		\$5,641,364	\$7,064,557	\$4,954,246	\$6,743,597	\$ 24,403,764

CMAQ = Congestion Mitigation and Air Quality Improvement Program

HSIP = Highway Safety Improvement Program

STP = Surface Transportation Program

Compiled from the TITLE 23 - TRANSPORTATION FUNDING worksheets prepared by MassDOT March 14, 2012 (attached), CCCpl

Summary of Proposed FFY 2013 - 2016 MPO Targets
March 14, 2012

	Current 2013	Proposed 2013	Current 2014	Proposed 2014	Current 2015	Proposed 2015	Proposed 2016
Base Obligation Authority	\$560,000,000	\$550,000,000	\$560,000,000	\$550,000,000	\$560,000,000	\$550,000,000	\$550,000,000
Redistribution, as Estimated by FHWA	\$0	\$50,000,000	\$0	\$50,000,000	\$0	\$50,000,000	\$50,000,000
Total Estimated Obligation Authority Available:	\$560,000,000	\$600,000,000	\$560,000,000	\$600,000,000	\$560,000,000	\$600,000,000	\$600,000,000
Central Artery/Tunnel or ABP GANS Obligation Authority	-\$170,710,000	-\$141,005,000	-\$178,390,000	-\$122,840,000	-\$150,000,000	-\$150,000,000	-\$150,000,000
Total Non-Earmarked O/A Available Statewide	\$389,290,000	\$458,995,000	\$381,610,000	\$477,160,000	\$410,000,000	\$450,000,000	\$450,000,000
Total Non-Earmarked Available Statewide (Including State Match)	\$475,737,500	\$561,443,750	\$466,137,500	\$584,993,750	\$501,625,000	\$551,450,000	\$551,455,000
Statewide Infrastructure Items:							
Statewide Infrastructure Program	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000
Statewide HSIP Program	\$5,000,000	\$5,000,000	\$5,000,000	\$6,000,000	\$5,000,000	\$5,000,000	\$5,000,000
Statewide Safe Routes to Schools Program	\$3,500,000	\$4,200,000	\$3,500,000	\$3,500,000	\$3,500,000	\$5,200,000	\$5,180,000
Statewide CMAQ	\$6,250,000	\$37,000,000	\$6,250,000	\$33,000,000	\$6,250,000	\$24,000,000	\$23,000,000
Statewide Transportation Enhancements	\$3,500,000	\$7,500,000	\$3,500,000	\$12,500,000	\$3,500,000	\$12,500,000	\$12,500,000
Statewide Recreational Trails	\$783,000	\$783,000	\$783,000	\$1,000,000	\$783,000	\$1,000,000	\$1,000,000
Statewide ITS	\$6,250,000	\$15,750,000	\$6,250,000	\$15,700,000	\$6,250,000	\$12,700,000	\$12,700,000
Statewide Design and Right of Way	\$2,000,000	\$0	\$2,000,000	\$0	\$2,000,000	\$0	\$0
Statewide Interstate Maintenance Program	\$75,000,000	\$75,000,000	\$75,000,000	\$65,250,000	\$75,000,000	\$63,000,000	\$63,000,000
Statewide NHS Preservation Program	\$12,000,000	\$12,000,000	\$12,000,000	\$29,218,750	\$12,000,000	\$25,500,000	\$25,500,000
Statewide Railroad Grade Crossings	\$500,000	\$10,000,000	\$500,000	\$10,000,000	\$500,000	\$500,000	\$2,500,000
Statewide Stormwater Retrofits	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Statewide ADA Implementation Plan	\$3,000,000	\$3,000,000	\$3,000,000	\$4,000,000	\$3,000,000	\$4,000,000	\$4,000,000
Subtotal Statewide Infrastructure Items:	\$130,783,000	\$186,233,000	\$130,783,000	\$197,868,750	\$130,783,000	\$169,400,000	\$170,380,000
Other Statewide Items:							
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$43,750,000	\$42,750,000	\$43,750,000	\$41,750,000	\$43,750,000	\$41,750,000	\$41,750,000
Planning	\$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	\$1,000,000	\$0	\$1,000,000	\$0	\$1,000,000	\$1,000,000
Subtotal Other Statewide Items:	\$66,750,000	\$66,750,000	\$66,750,000	\$65,750,000	\$66,750,000	\$65,750,000	\$65,750,000
Regional Major Infrastructure Projects:	\$21,875,000	\$0	\$15,625,000	\$21,875,000	\$40,000,000	\$40,000,000	\$40,000,000
Bridge Program:							
Statewide Bridge Maintenance Program	\$0	\$10,000,000	\$0	\$10,000,000	\$0	\$10,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$121,483,328	\$139,175,000	\$121,483,328	\$99,175,000	\$121,483,328	\$122,000,000	\$82,000,000
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
Subtotal Federal Aid Bridge Program:	\$127,733,328	\$155,425,000	\$127,733,328	\$115,425,000	\$127,733,328	\$138,250,000	\$98,250,000
Regional Targets:							
Minimum Regional CMAQ Component:	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$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
Maximum Regional Non-CMAQ / HSIP Component:	\$98,596,173	\$123,035,750	\$95,246,173	\$154,075,000	\$106,358,673	\$108,050,000	\$147,075,000
Total Regional Target	\$128,596,173	\$153,035,750	\$125,246,173	\$184,075,000	\$136,358,673	\$138,050,000	\$177,075,000

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2013
FEDERAL REGIONAL TARGETS
March 14, 2012

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
Central Artery/Tunnel Obligation Authority	(141,005,000)		
Total Non-Earmarked Available Statewide - (Including State Match)	458,995,000	102,448,750	561,443,750
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide HSIP Program	\$4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	\$4,200,000	\$0	\$4,200,000
Statewide CMAQ	\$29,600,000	\$7,400,000	\$37,000,000
Statewide Transportation Enhancements	\$6,000,000	\$1,500,000	\$7,500,000
Statewide Recreational Trails	\$626,400	\$156,600	\$783,000
Statewide ITS	\$12,600,000	\$3,150,000	\$15,750,000
Statewide Design and Right of Way	\$0	\$0	\$0
Statewide Interstate Maintenance Program	\$67,500,000	\$7,500,000	\$75,000,000
Statewide NHS Preservation Program	\$9,600,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Stormwater retrofits	\$8,000,000	\$2,000,000	\$10,000,000
Statewide ADA Implementation Plan	\$2,400,000	\$600,000	\$3,000,000
Subtotal Statewide Infrastructure Items:	\$157,826,400	\$28,406,600	\$186,233,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$34,200,000	\$8,550,000	\$42,750,000
Planning	\$18,400,000	\$4,600,000	\$23,000,000
DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs	\$800,000	\$200,000	\$1,000,000
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$0	\$0	\$0
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$111,340,000	\$27,835,000	\$139,175,000
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$124,340,000	\$31,085,000	\$155,425,000
Total Regional Targets:			
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$98,428,600	\$24,607,150	\$123,035,750
Total Regional Target	\$123,428,600	\$29,607,150	\$153,035,750

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$5,447,528	\$4,379,635
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$65,755,029	\$52,864,898
Cape Cod	4.5851	\$458,514	\$917,028	\$7,016,906	\$5,641,363
Central Mass	8.6901	\$869,013	\$1,738,026	\$13,299,007	\$10,691,968
Franklin Region	2.5397	\$253,975	\$507,949	\$3,886,719	\$3,124,796
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$474,363	\$381,373
Merrimack Valley	4.4296	\$442,956	\$885,911	\$6,778,806	\$5,449,939
Montachusett	4.4596	\$445,955	\$891,911	\$6,824,712	\$5,486,846
Nantucket	0.2200	\$21,998	\$43,996	\$336,645	\$270,652
Northern Middlesex	3.9096	\$390,961	\$781,922	\$5,983,099	\$4,810,217
Old Colony	4.5595	\$455,954	\$911,909	\$6,977,732	\$5,609,869
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$16,543,041	\$13,300,065
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$13,712,162	\$11,024,131
Total:	100.00	\$10,000,000	\$20,000,000	\$153,035,750	\$123,035,750

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

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2014
FEDERAL REGIONAL TARGETS
March 14, 2012

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
Central Artery/Tunnel Obligation Authority	(122,840,000)		Final CAT/GANS
Total Non-Earmarked Available Statewide - (Including State Match)	477,160,000	107,833,750	584,993,750
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide HSIP Program	\$5,400,000	\$600,000	\$6,000,000
Statewide Safe Routes to Schools Program	\$5,200,000	\$0	\$5,200,000
Statewide CMAQ	\$26,400,000	\$6,600,000	\$33,000,000
Statewide Transportation Enhancements	\$10,000,000	\$2,500,000	\$12,500,000
Statewide Recreational Trails	\$800,000	\$200,000	\$1,000,000
Statewide ITS	\$12,560,000	\$3,140,000	\$15,700,000
Statewide Design and Right of Way	\$0	\$0	\$0
Statewide Interstate Maintenance Program	\$58,725,000	\$6,525,000	\$65,250,000
Statewide NHS Preservation Program	\$23,375,000	\$5,843,750	\$29,218,750
Statewide Railroad Grade Crossings	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Stormwater retrofits	\$8,000,000	\$2,000,000	\$10,000,000
Statewide ADA Implementation Plan	\$3,200,000	\$800,000	\$4,000,000
Subtotal Statewide Infrastructure Items:	\$166,460,000	\$31,408,750	\$197,868,750
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$33,400,000	\$8,350,000	\$41,750,000
Planning	\$18,400,000	\$4,600,000	\$23,000,000
DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs	\$800,000	\$200,000	\$1,000,000
Subtotal Other Statewide Items:	\$52,600,000	\$13,150,000	\$65,750,000
Regional Major Infrastructure Projects:	\$17,500,000	\$4,375,000	\$21,875,000
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$79,340,000	\$19,835,000	\$99,175,000
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$92,340,000	\$23,085,000	\$115,425,000
Total Regional Targets:			
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$123,260,000	\$30,815,000	\$154,075,000
Total Regional Target	\$148,260,000	\$35,815,000	\$184,075,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$6,552,415	\$5,484,521
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$79,091,696	\$66,201,565
Cape Cod	4.5851	\$458,514	\$917,028	\$8,440,099	\$7,064,557
Central Mass	8.6901	\$869,013	\$1,738,026	\$15,996,359	\$13,389,319
Franklin Region	2.5397	\$253,975	\$507,949	\$4,675,037	\$3,913,114
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$570,575	\$477,585
Merrimack Valley	4.4296	\$442,956	\$885,911	\$8,153,707	\$6,824,840
Montachusett	4.4596	\$445,955	\$891,911	\$8,208,924	\$6,871,058
Nantucket	0.2200	\$21,998	\$43,996	\$404,925	\$338,931
Northern Middlesex	3.9096	\$390,961	\$781,922	\$7,196,613	\$6,023,730
Old Colony	4.5595	\$455,954	\$911,909	\$8,392,981	\$7,025,117
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$19,898,358	\$16,655,383
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$16,493,311	\$13,805,280
Total:	100.00	\$10,000,000	\$20,000,000	\$184,075,000	\$154,075,000

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

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2015
FEDERAL REGIONAL TARGETS
March 14, 2012

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
ABP GANS Repayment	(150,000,000)		First ABP Gans
Total Non-Earmarked Available Statewide - (Including State Match)	450,000,000	101,450,000	551,450,000
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide HSIP Program	\$4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	\$5,200,000	\$0	\$5,200,000
Statewide CMAQ	\$19,200,000	\$4,800,000	\$24,000,000
Statewide Transportation Enhancements	\$10,000,000	\$2,500,000	\$12,500,000
Statewide Recreational Trails	\$800,000	\$200,000	\$1,000,000
Statewide ITS	\$10,160,000	\$2,540,000	\$12,700,000
Statewide Design and Right of Way	\$0	\$0	\$0
Statewide Interstate Maintenance Program	\$56,700,000	\$6,300,000	\$63,000,000
Statewide NHS Preservation Program	\$20,400,000	\$5,100,000	\$25,500,000
Statewide Railroad Grade Crossings	\$400,000	\$100,000	\$500,000
Statewide Stormwater retrofits	\$8,000,000	\$2,000,000	\$10,000,000
Statewide ADA Implementation Plan	\$3,200,000	\$800,000	\$4,000,000
Subtotal Statewide Infrastructure Items:	\$143,360,000	\$26,040,000	\$169,400,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$33,400,000	\$8,350,000	\$41,750,000
Planning	\$18,400,000	\$4,600,000	\$23,000,000
DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs	\$800,000	\$200,000	\$1,000,000
Subtotal Other Statewide Items:	\$52,600,000	\$13,150,000	\$65,750,000
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$97,600,000	\$24,400,000	\$122,000,000
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$110,600,000	\$27,650,000	\$138,250,000
Total Regional Targets:			
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$86,440,000	\$21,610,000	\$108,050,000
Total Regional Target	\$111,440,000	\$26,610,000	\$138,050,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$4,914,089	\$3,846,195
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$59,316,086	\$46,425,955
Cape Cod	4.5851	\$458,514	\$917,028	\$6,329,788	\$4,954,245
Central Mass	8.6901	\$869,013	\$1,738,026	\$11,996,726	\$9,389,687
Franklin Region	2.5397	\$253,975	\$507,949	\$3,506,119	\$2,744,196
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$427,912	\$334,922
Merrimack Valley	4.4296	\$442,956	\$885,911	\$6,115,003	\$4,786,136
Montachusett	4.4596	\$445,955	\$891,911	\$6,156,414	\$4,818,548
Nantucket	0.2200	\$21,998	\$43,996	\$303,680	\$237,686
Northern Middlesex	3.9096	\$390,961	\$781,922	\$5,397,215	\$4,224,333
Old Colony	4.5595	\$455,954	\$911,909	\$6,294,450	\$4,926,587
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$14,923,093	\$11,680,117
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$12,369,424	\$9,681,392
Total:	100.00	\$10,000,000	\$20,000,000	\$138,050,000	\$108,050,000

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

TITLE 23 - TRANSPORTATION FUNDING

FEDERAL FISCAL YEAR 2016
FEDERAL REGIONAL TARGETS
March 14, 2012

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$550,000,000		
Redistribution, as Estimated by FHWA	\$50,000,000		
Total Estimated Obligation Authority Available:	\$600,000,000		
ABP GANS Repayment	(150,000,000)		
Total Non-Earmarked Available Statewide - (Including State Match)	450,000,000	101,455,000	551,455,000
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide HSIP Program	\$4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	\$5,180,000	\$0	\$5,180,000
Statewide CMAQ	\$18,400,000	\$4,600,000	\$23,000,000
Statewide Transportation Enhancements	\$10,000,000	\$2,500,000	\$12,500,000
Statewide Recreational Trails	\$800,000	\$200,000	\$1,000,000
Statewide ITS	\$10,160,000	\$2,540,000	\$12,700,000
Statewide Design and Right of Way	\$0	\$0	\$0
Statewide Interstate Maintenance Program	\$56,700,000	\$6,300,000	\$63,000,000
Statewide NHS Preservation Program	\$20,400,000	\$5,100,000	\$25,500,000
Statewide Railroad Grade Crossings	\$2,000,000	\$500,000	\$2,500,000
Statewide Stormwater retrofits	\$8,000,000	\$2,000,000	\$10,000,000
Statewide ADA Implementation Plan	\$3,200,000	\$800,000	\$4,000,000
Subtotal Statewide Infrastructure Items:	\$144,140,000	\$26,240,000	\$170,380,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$33,400,000	\$8,350,000	\$41,750,000
Planning	\$18,400,000	\$4,600,000	\$23,000,000
DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs	\$800,000	\$200,000	\$1,000,000
Subtotal Other Statewide Items:	\$52,600,000	\$13,150,000	\$65,750,000
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000
Bridge Program:			
Statewide Bridge Maintenance Program	\$8,000,000	\$2,000,000	\$10,000,000
Statewide Bridge Repl. / Rehab Program	\$65,600,000	\$16,400,000	\$82,000,000
Statewide Bridge Inspection Program	\$5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$78,600,000	\$19,650,000	\$98,250,000
Total Regional Targets:			
Minimum Regional CMAQ Component:	\$16,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$9,000,000	\$1,000,000	\$10,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$117,660,000	\$29,415,000	\$147,075,000
Total Regional Target	\$142,660,000	\$34,415,000	\$177,075,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,964	\$711,929	\$6,303,240	\$5,235,346
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$76,083,999	\$63,193,867
Cape Cod	4.5851	\$458,514	\$917,028	\$8,119,139	\$6,743,597
Central Mass	8.6901	\$869,013	\$1,738,026	\$15,388,049	\$12,781,010
Franklin Region	2.5397	\$253,975	\$507,949	\$4,497,255	\$3,735,331
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$548,878	\$455,887
Merrimack Valley	4.4296	\$442,956	\$885,911	\$7,843,638	\$6,514,771
Montachusett	4.4596	\$445,955	\$891,911	\$7,896,755	\$6,558,889
Nantucket	0.2200	\$21,998	\$43,996	\$389,526	\$323,533
Northern Middlesex	3.9096	\$390,961	\$781,922	\$6,922,940	\$5,750,057
Old Colony	4.5595	\$455,954	\$911,909	\$8,073,813	\$6,705,949
Pioneer Valley	10.8099	\$1,080,992	\$2,161,984	\$19,141,664	\$15,898,688
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$15,866,104	\$13,178,073
Total:	100.00	\$10,000,000	\$20,000,000	\$177,075,000	\$147,075,000

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

State Identification Number (ID)	TOWN	PROJECT	DESCRIPTION	COST ESTIMATE (2012 \$)	POTENTIAL FUNDING	Proposed TIP YEAR- after TIP DAY	2012 SCORE	Design Status	SAFETY (RSA or a # = AAC)	Annual Average Daily Traffic	Site Code for AADT	LENGTH+ in miles
604488	Dennis Yarmouth	Cape Cod Rail Trail extension Dennis Yarmouth	Connect existing CCRT Dennis Yarmouth to Willow St. / Barnstable TL	\$ 8,100,000	CMAQ and T1173-MA290	2014	7.4	25%	11	not applicable	not applicable	3.70
602213	Orleans	Route 6A at Route 28	Intersection Improvements --roundabout	\$ 1,117,428	HSIP & CMAQ	2013	6.8	75%	RSA	18,000		0.30
606394	Barnstable	Route 28 at Bearse's Way	Intersection Improvements - safety	\$ 2,520,000	HSIP	2015	5.2	pre-25	RSA	14,428-22,588	20281 20327	0.30
606272	Barnstable	Route 28 at Yarmouth Road	Intersection Improvements	\$ 2,500,000		2016	5.0	0%	16	15,000 - 17,000	7136 20350	0.30
605661	Falmouth	Route 28 intersection with Jones Rd./Worcester Court	Intersection improvements	\$ 1,737,120	CMAQ	2013-2014	3.9	25%	10.33	15,375 - 16,800	21179 21178	0.39
605671	Falmouth	Route 28 intersection with Davisville Rd./Old Meetinghouse Rd.	Intersection improvements	\$ 1,420,170	CMAQ	2013-2014	3.8	25%	4.33	16,403	20823	0.22
606164	Harwich	Route 124	Reconstruction Headwaters Drive to Brewster TL	\$ 4,000,000	STP	2015	3.6	pre-25	7	8,622	20882	1.40
606461	Orleans	Main St. at Route 28 & Main St. at Route 6A	Intersection Improvements (two intersections)	\$ 2,040,000		2015	2.7	0%	7.33	8,424	20612	0.30
606596	Chatham	Route 28 from George Ryder Rd to Barn Hill Rd	George Ryder Rd. to Barn Hill Rd.	\$ 3,060,000	STP	2016	2.5	pre-25	0	12,000-15,000	21185 - 20956	0.32
606276	Barnstable	Route 6A at Route 132	Intersection Improvements	\$ 1,000,000		2017		0%	3	5,000 - 7,000	20342 21109 (3,265)	0.30
606719	Barnstable	Kennedy Interpretive Trail	Pearl Street sidewalk reconstruction and streetscaping	\$ 123,750	Earmark	2015		pre-25	0			0.16
CCRTA	Cape	CCRTA / Bourne-Sandwich, Bourne-Falmouth	Demonstration operating funds for second and third year of new services	\$ 276,120	CMAQ			underway		various		42.00
Submitted PIF	Sandwich	Quaker Meetinghouse Road Pedestrian Accessibility sidewalk	Livability / Sidewalk construction	\$ 960,000				25%				
606082	Bourne	Route 6 Scenic Highway Median	lanes and add four foot shoulders and a raised median on Route 6 beginning just west of the Bourne Bridge at Nightingale Pond Road and ends just west of the	\$ 12,000,000				0%		32,000	20119 20121 20120	
606236	Barnstable	Route 28 Resurfacing	28.26 to 30.70 (Rotary to proximity of intersection with West Main St.)	\$ 2,500,000				0%	Bearse's Way Intersection RSA now separate	20,000	7133 20327 20333	2.44
	Chatham	Main (Route 28) at Crowell Rd	Main (Route 28) at Crowell Rd	\$ 1,500,000		?		pre-25		12,000-15,000	21185 - 20956	
	Dennis	Route 28 sidewalks	Sections of sidewalk	\$ -		?		0%		18,141	20766	
	Brewster	Route 137	Reconstruction	\$ 1,500,000		?		0%		7,234	20582	

State Identification Number (ID)	TOWN	PROJECT	DESCRIPTION	COST ESTIMATE (2012 \$)	POTENTIAL FUNDING	Proposed TIP YEAR- after TIP DAY	2012 SCORE	Design Status	SAFETY (RSA or a # = AAC)	Annual Average Daily Traffic	Site Code for AADT	LENGTH+ in miles
	Eastham	Route 6 and Governor Prence Road	Intersection Improvements-- bike ped safety	\$ 2,500,000				0%				
Hyannis Access	Barnstable	Airport Rotary Traffic Improvements	Reconfigure Airport Rotary to improve traffic flow and safety. (possibly to realign approaches / circle / striping / signage to conform to roundabout design)	\$ -				0%		13,802 22,588 19,352	7133 20327 20333	
From RTP public process	Capewide	Intelligent Transportation System	Expand Real Time data collection and monitoring to improve congestion & safety	\$ 3,000,000				0%				
From RTP public process	Orleans	Route 28 multimodal pathway	bike ped offset trail	\$ -				0%				
From RTP public process	Truro	Truro Center Livability Improvements	Route 6A /Bus Stop @ Jam's	\$ 2,000,000				0%				
			TOTAL	\$ 53,854,588								

Priscilla Leclerc

From: Guenard, Mark (DOT) <mark.guenard@state.ma.us>
Sent: Friday, April 06, 2012 2:52 PM
To: Adams, Larry; Brennan, Tim (PVPC); Ciaramella, Pat (OCPC); DiZoglio, Dennis; Draisen, Mark (MAPC); Dunleavy, Linda (FRCOG); Eaton, Glenn; Karns, Nat (BRPC); London, Mark (MVC); Paul Niedzwiecki; Smith, Steve (SRPEDD); Vorce, Andrew; Woods, Beverly (NMCOG); Blunt, MaryEllen; Bourassa Eric ; Burns, Michael; Glenn Cannon; Gary Roux; Hadfield Jim ; Harris, Brad (MRPC); Kilmer, Charlie (OCPC); Komornick, Tony (MVPC); Kus Clete ; Priscilla Leclerc; McGahan, Ann; Mike Mauro; Mullaney, Maureen (FRCOG); Roscoe, Dana (PVPC); Rydant, Richard; Sarah Bradbury; spfalzer@ctps.org; Wolfe Pam; Blei, David (DOT); Cavicchi, Peter (DOT); Frieri, Peter (DOT); Frost, Arthur (DOT); Haznar, Pamela (DOT); Kinahan, Erin (DOT); Kochan, Timothy (DOT); Marquis, Pamela (DOT); Masse, Richard (DOT); Moore, Mark (DOT); Raphael, Connie (DOT); Scarbrough, Laurie (DOT); Simmons, Paula (DOT); Sullivan, Ann (DOT); Suszynski, Frank (DOT)
Cc: Mohler, David (DOT); Bench, Clinton (DOT); Codd, Ned (DOT); Anderson, David (DOT); Rose, Marie (DOT); Walsh, Kevin M (DOT); Maffeo, Michelle (DOT); Boudreau, Neil (DOT); Polin, Bonnie (DOT); Murray, Alex (DOT); Trepanier, Michael (DOT); Betts, William T (DOT); MGuenard; Chong, Michael A.; Maloney, Paul; Britland, Ethan (DOT); Cenizal, Callida (DOT); Lehmann, Andrew (DOT); Pearson, Karen (DOT); Palmer, William (DOT); Kofitsas, Kostas (DOT); Broderick, Thomas F (DOT)
Subject: FFY2013 -2016 TIP/STIP development, Statewide category program lists, multiple attachments
Attachments: FFY2013 - 2016 Statewide Infrastructure Listing.pdf; FFY2013 - 2016 Statewide Safety Listing.pdf; FFY2013 - 2016 Statewide SRTS projects listing.pdf; FFY2013 - 2016 Statewide CMAQ list April 4 2012.pdf; FFY2013 -2016 Statewide Enhancements project list April 6 2012.pdf; FFY2013 - 2016 Statewide IM-NHS Programs.pdf; FFY2013 - 2016 Statewide Stormwater listing.pdf; FFY2013 - 2016 Statewide ADA transition funding.pdf; FFY2013 - 2016 Statewide Bridge Maintenance listing.pdf; FFY2013 BR ON-OFF List April 6 2012.pdf; FFY2014 BR ON-OFF List April 6 2012.pdf; FFY2015 BR ON-OFF List April 6 2012.pdf; FFY2016 BR ON-OFF List April 6 2012.pdf; FFY2013 - 2016 Bridge AC schedule.pdf
Importance: High

Attached for your review and use are additional materials for use in the FFY2013 - 2016 draft regional Transportation Improvement Programs.

Please note that only some of the attached listings may relate to your specific region as host MPO and would need to be programmed. Details specific to each of the attached files are listed below.

The listing of attached files and actions for each are as follows:

- FFY 2013-2016 Statewide Infrastructure program -
 - Regions should only program the projects on the list where the host MPO can be identified in the Location/Description. Please use the first community name in the description field to determine the host MPO. For example #605703 LOWELL- METHUEN- TRAFFIC SIGN REPLACEMENT & RELATED WORK ON I-495 would be programmed in the Northern Middlesex regional TIP even though the project description includes Methuen, which is in the Merrimack Valley MPO.
 - All Statewide program projects are to be programmed in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS.

- Finally, the cost of the project as presented on the attached list (STP-Infrastructure) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds at a rate of 80%/20%. MPO staffs should present this funding information on our standardized TIP format spreadsheet which will calculate the federal/state amounts.
- FFY 2013 -2016 Statewide Highway Safety Improvement Program (HSIP) -
 - Regions should only program the projects on the list where the host MPO can be identified in the Location/Description. Please use the first community name in the description field to determine the host MPO.
 - All Statewide HSIP program projects are to be programmed in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS.
 - Finally, the cost of the project as presented on the attached list (HSIP) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds at a rate of 90%/10%. MPO staffs should present this funding information on our standardized TIP format spreadsheet. The formula which calculates federal/state amounts, needs to be manually modified.
- FFY2013 -2016 Safe Routes to Schools Program (SRTS) -
 - Regions should only program the projects on the list where the host MPO can be identified in the Location/Description.
 - Please program these projects with the federal costs (TFPCC) as presented in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS - Other on the standardized TIP format spreadsheet. Please note that SRTS funding is 100% federal. Please manually adjust the TIP table to reflect that no state matching funding is to be programmed. the total project cost will then be the federal cost.
- FFY2013 -2016 Statewide Congestion Mitigation and Air Quality Improvement (CMAQ) program -
 - MassDOT has identified a series of projects that may be regional but will be funded through the Statewide CMAQ funding category for the FFY2013 - 2016 programming cycle. Regions should only program the projects on the list where the host MPO can be identified in the Location/Description. These projects and the associated funding should be programmed in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS - Other of the standardized TIP format spreadsheet.
 - Please note that Statewide CMAQ funding as presented (TFPCC or Inflation Adj.) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds as a rate of 80%/20%. MPO staff should present this funding on our standardized TIP format which will calculate the federal/state amounts. Finally, the Inflation Adj. column is the Year of Expenditure factor of 4%, 8% or 12% as required by SATETEA-LU and should be used in FFY2014, 2015 and 2016 projects.
- FFY2013 - 2016 Statewide Transportation Enhancements program - SPECIAL NOTE
 - MassDOT has identified a series of projects that may be regional, but will be funded through the Statewide Transportation Enhancements funding category for the FFY2013 - 2016 programming cycle. Regions should only program the projects on the list where the host MPO can be identified in the Location/Description. These projects and the associated funding should be programmed in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS - Other of the standardized TIP format spreadsheet.
 - Please note that Statewide Transportation Enhancements funding as presented in the attached list (TFPCC or Inflation Adj.) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds at a rate of 80%/20%. MPO staffs should present this funding information on our standardized TIP format spreadsheet which will calculate the federal/state amounts.
 - **Please also note** that for FFY2013 the state has again allocated a total of \$2 million of the Statewide Enhancements funding for the \$2 gets \$1 Enhancements incentive program. Similar to the FFY2012 program, these statewide enhancements funds are sub-allocated by the MARPA capital funds formula, this amount is the maximum amount each MPO may access with the demonstrated programming of Enhancement-eligible activities using regional target funds. Statewide Enhancements funding should be programmed in SECTION 1C FEDERAL-AID NON-TARGET PROJECTS - Other on the standardized TIP format spreadsheet.
- FFY2012 - 2016 Statewide Interstate Maintenance Program -
 - Regions should only program the projects on the list where the host MPO can be identified in the Location/Description. Please use the first community name in the description field to determine the host MPO. All Statewide program projects are to be programmed in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS - IM Interstate Maintenance.
 - Finally, the cost of the project as presented on the attached list (4% factor, 8% factor, 12% factor) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds at a rate of 90%/10%. MPO staffs should present this funding information on our standardized TIP format spreadsheet which will calculate the federal/state amounts.
- FFY2012 - 2016 Statewide NHS Preservation Program -

- Regions should only program the projects on the list where the host MPO can be identified in the Location/Description. Please use the first community name in the description field to determine the host MPO.
- All Statewide program projects are to be programmed in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS - NHS National Highway System.
- Finally, the cost of the project as presented on the attached list (Inflation Adjusted 4%/Year) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds at a rate of 80%/20%. MPO staffs should present this funding information on our standardized TIP format spreadsheet which will calculate the federal/state amounts.
- FFY2013 - 2016 Statewide Storm water Retrofits Program -
 - This program provides funding to each of the MassDOT Districts and will be listed in the Statewide Transportation Improvement Program (STIP). Regions will not be programming this statewide program. The listing is for your information only .
- FFY2013 - 2016 Statewide ADA Implementation Program -
 - This program provides funding to each of the MassDOT Districts and will be listed in the Statewide Transportation Improvement Program (STIP). Regions will not be programming this statewide program. The listing is for your information only .
- FFY2013 - 2016 Statewide Bridge Maintenance Program -
 - This program provides funding to each of the MassDOT Districts and will be listed in the Statewide Transportation Improvement Program (STIP). Regions will not be programming this statewide program at this time. Host MPOs may be asked to program bridge projects if specific projects are identified at a later time. This listing is for your information only.
- FFY2013 - 2016 Statewide Bridge Replace/Rehabilitate Program -
 - Regions should only program projects in the list where the host MPO can be identified in the project Description column.
 - Please program these projects with the federal costs (TFPC or % Inflated TFPC) as presented in SECTION 1B FEDERAL AID BRIDGE PROJECTS Other of the standardized TIP format.
 - Please note that BR-on and BR-off Statewide CMAQ funding as presented (TFPCC or Inflation Adj.) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds at a rate of 80%/20%. MPO staff should present this funding on our standardized TIP format which will calculate the federal/state amounts. Finally, the % Inflated TFPC column is the Year of Expenditure factor of 4%, 8% or 12% as required by SATETEA-LU and should be used in FFY2014, 2015 and 2016 projects.

Please contact me or your MPO Liaison if you have any questions.

Mark L. Guenard, Manager of MPO Activities
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Massachusetts Department of Transportation
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Boston, MA 02116
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FFY 2013 THROUGH FFY 2016 STORMWATER RETROFIT FUNDING

YEAR	Project ID	DESCRIPTION	TFPCC	YOE cost	FFY TOTALS
2013	606980	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	\$2,000,000	\$2,000,000	\$10 Million
	606981	DISTRICT 1- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,500,000	\$1,500,000	
	606983	DISTRICT 1- DISTRICT 2- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,500,000	\$1,500,000	
	606984	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$2,000,000	\$2,000,000	
	606985	DISTRICT 4- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$2,000,000	\$2,000,000	
	606988	DISTRICT 5- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$500,000	\$500,000	
	606989	DISTRICT 6- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$500,000	\$500,000	
2014	606990	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	\$1,923,077	\$2,000,000	\$10 Million
	606991	DISTRICT 1- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,442,308	\$1,500,000	
	606993	DISTRICT 2- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,442,308	\$1,500,000	
	606994	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,442,308	\$1,500,000	
	606995	DISTRICT 4- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,442,308	\$1,500,000	
	606996	DISTRICT 5- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$961,538	\$1,000,000	
	606997	DISTRICT 6- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$961,538	\$1,000,000	
2015	606999	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	\$1,851,852	\$2,000,000	\$10 Million
	607000	DISTRICT 1- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,851,852	\$2,000,000	
	607001	DISTRICT 2- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,851,852	\$2,000,000	
	607002	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,851,852	\$2,000,000	
	607003	DISTRICT 4- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,851,852	\$2,000,000	
2016	607004	STATEWIDE- STORMWATER RETROFITS AT VARIOUS LOCATIONS (IM/NHS)	\$1,785,714	\$2,000,000	\$10 Million
	607005	DISTRICT 1- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,785,714	\$2,000,000	
	607007	DISTRICT 2- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,785,714	\$2,000,000	
	607009	DISTRICT 3- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,785,714	\$2,000,000	
	607010	DISTRICT 4- STORMWATER RETROFITS AT VARIOUS LOCATIONS	\$1,785,714	\$2,000,000	

FFY 2013 - 2016 Statewide HSIP (Safety) Program

FF Year	Project Number	Location/Description	TFPCC	YOE	HSIP	Comments
2013	606466	Statewide Systematic Low Cost Intersection Improvements - Phase II - Statewide	\$1,000,000.00	\$1,000,000.00	\$ 1,000,000.00	
2013	607069	Statewide- Various Safety Strategies To Be Determined Based On 2012 Shsp And Updates	\$2,000,000.00	\$2,000,000.00	\$ 2,000,000.00	All projects yet to be determined - SHSP update draft should be available by summer 2012
2013	607070	Statewide- Implementation (Phase I) Of The Flashing Yellow Arrow At Signalized Intersections--One Of The "Fhwa Nine Proven Countermeasures	\$1,300,000.00	\$1,300,000.00	\$ 1,300,000.00	Development of project scope and PNF underway
2013	605442	Longmeadow - Northampton: Traffic Sign Replacement On I-91 - District 2	\$4,300,000.00	\$4,300,000.00	\$ 700,000.00	AC 2 of 2. TFPCC \$4.4M.
\$					5,000,000.00	

FF Year	Project Number	Location/Description	TFPCC	YOE 4%	HSIP	Comments
2014	607069	Various Safety Strategies To Be Determined Based On 2012 Shsp And Updates	Unknown	#VALUE!	\$ 2,000,000.00	All projects yet to be determined - SHSP update draft should be available by summer 2012
2014	605668	Raynham-Signal And Intersection Improvement At Route 44, Orchard Street And Route 24 Nb Off Ramp- District 5	\$2,302,759.43	\$2,394,869.81	\$ 1,000,000.00	funded through a variety of sources, fully funded
2014	604964	Lowell- Signal & Intersection Improvements At Vfw Highway, Bridge Street & Lakeview Avenue - District 4	\$2,105,658.00	\$2,189,884.32	\$ 1,000,000.00	funded through a variety of sources, fully funded
2014	607071	Statewide- Implementation (Phase II) Of The Flashing Yellow Arrow At Signalized Intersections--One Of The "Fhwa Nine Proven Countermeasures"	\$960,500.00	\$998,920.00	\$ 1,000,000.00	
2014	606733	Attleboro - Improvements To I-95 Sb / I-295 Sb Ramps Which Is One Of The Highest Truck Rollover Locations In The State District 5	\$2,496,000.00	\$2,595,840.00	\$ 1,000,000.00	
\$					6,000,000.00	

FF Year	Project Number	Location/Description	TFPCC	YOE 8%	HSIP	Comments
2015	607072	Implementation (Phase III) Of The Flashing Yellow Arrow At Signalized Intersections--One Of The "Fhwa Nine Proven Countermeasures" - Statewide	\$925,000.00	\$999,000.00	\$ 1,000,000.00	
2015	607069	Various Safety Strategies To Be Determined Based On 2012 Shsp And Updates	\$3,700,000.00	\$3,996,000.00	\$ 4,000,000.00	All projects yet to be determined - SHSP update draft should be available by summer 2012
\$					5,000,000.00	

FF Year	Project Number	Location/Description	TFPCC	YOE 12%	HSIP	Comments
2016	607069	Various Safety Strategies to be determined based on 2012 SHSP and updates	\$4,625,000.00	\$4,995,000.00	\$ 5,000,000.00	All projects yet to be determined - SHSP update draft should be available by summer 2012
\$					5,000,000.00	

**MassDOT - Highway Division
Statewide ITS Program FY13-FY16**

Year	Route/Location	Description	Proj File #	District	Total Federal Participating Cost (TFPC)	YOE	Comments
2013	Statewide	HOC Operations and Maintenance Support ITS Contract	606414	Statewide	\$500,000		
	Statewide	Consultant Services Contract for ITS design and support services	606913	Statewide	\$500,000		
	Statewide	Consultant Services Contract for ITS design and support services	606914	Statewide	\$500,000		
	I-95 in Burlington, Reading, Woburn	Expansion of Fiber and CCTV, VMS & the Traffic Sensor Network	606432	4	\$4,000,000		
	Statewide	HOC and ITS field equipment operational expenses for 2 years	606915	Statewide	\$1,000,000		
	I-495 from Hopkinton to Lawrence	Design Build ITS/fiber project	606283	3 & 4	\$6,000,000		
	I-93 Braintree/Quincy/Boston	HOV lane Tow Truck Services for 2 years	606497	6	\$550,000		
	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract**	606498	6	\$1,000,000		**District 6 to provide these services with MassDOT employees
	I-93 Braintree/Quincy/Boston	HOV lane operating expenses for 2 years	606422	6	\$500,000		
	I-93, I-95, Rte 1	Highway Assistance Patrols, Area 2, 5 routes, 3 year contract* (Year 2)	606427	4	\$600,000		AC Yr 2 of 3. TFPCC= \$2.4M over three years in 2012 dollars, Contract 71975
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 3, 5 routes, 3 year contract* (Year 2)	606428	6	\$600,000		AC Yr 2 of 3. YOE= \$2.4M over three years in 2012 dollars, Contract 71976
		Total Federal Fiscal Year 2013 - Target \$15.75M			\$15,750,000		
2014	Statewide	HOC Operations and Maintenance Support ITS Contract	606916	Statewide	\$499,200	\$520,000	
	Statewide	Consultant Services Contract for ITS design and support services	606917	Statewide	\$499,200	\$520,000	
	Statewide	Consultant Services Contract for ITS design and support services	606918	Statewide	\$499,200	\$520,000	
	Statewide	Consultant Services Contract for ITS design and support services	606919	Statewide	\$499,200	\$520,000	
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network	606920	Statewide	\$4,800,000	\$5,000,000	
	Statewide	Deploy Critical Infrastructure Surveillance	606921	Statewide	\$3,283,200	\$3,420,000	
	Statewide	ITS portion of Interstate Maintenance (IM) projects	606922	Statewide	\$1,920,000	\$2,000,000	
	I-93, I-95, Rte 1	Highway Assistance Patrols, Area 2, 5 routes, 3 year contract* (year 3)	606427	4	\$1,275,394	\$1,328,535	AC Yr 3 of 3. TFPCC= \$2.4M over three years in 2012 dollars, Contract 71975
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 3, 5 routes, 3 year contract* (year 3)	606428	6	\$1,275,394	\$1,328,535	AC Yr 3 of 3. YOE= \$2.4M over three years in 2012 dollars, Contract 71976
		Total Federal Fiscal Year 2014 - Target \$15.7M				\$15,157,070	(all new 2014 projects include 4% for inflation)
2015	Statewide	Consultant Services Contract for ITS design and support services	606923	Statewide	\$496,800	\$540,000	
	Statewide	Consultant Services Contract for ITS design and support services	606924	Statewide	\$496,800	\$540,000	
	Statewide	Consultant Services Contract for ITS design and support services	606925	Statewide	\$496,800	\$540,000	
	Statewide	HOC and ITS field equipment operational expenses for 2 years	606926	Statewide	\$993,600	\$1,080,000	
		Expansion of CCTV, VMS & the Traffic Sensor Network	606927	Statewide	\$3,956,000	\$4,300,000	
	Statewide	Deploy Critical Infrastructure Surveillance	606928	Statewide	\$1,104,000	\$1,200,000	
	Statewide	ITS portion of Interstate Maintenance (IM) projects	606929	Statewide	\$1,196,000	\$1,300,000	
	I-93 Braintree/Quincy/Boston	HOV lane Tow Truck Services for 2 years* (Year 1)	606930	6	\$184,000	\$200,000	AC 1 of 2. YOE = \$550,000.
	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract** (Year 1)	606931	6	\$184,000	\$200,000	AC 1 of 2. **District 6 to provide these services with MassDOT employees. YOE = \$1M.
	I-93 Braintree/Quincy/Boston	HOV Operating expenses for two years (year 1)	606932	6	\$184,000	\$200,000	Remainder of cost to be programmed in 2016
	I-95, Rte 2, I-495, Rte 3	Highway Assistance Patrols, Area 1, 6 routes, 3 year contract* (Year 1)	606939	4	\$460,000	\$500,000	AC 1 of 3. Total Cost = \$2.7 M.
	I-93, I-95, Rte 1	Highway Assistance Patrols, Area 2, 5 routes, 3 year contract* (Year 1)	606940	4	\$460,000	\$500,000	AC 1 of 3. Total Cost = \$2.4M.
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 3, 5 routes, 3 year contract* (Year 1)	606941	6	\$460,000	\$500,000	AC 1 of 3. Total Cost = \$2.4M.
	I-495, I-95, Rte 24	Highway Assistance Patrols, Area 4, 4 routes, 3 year contract* (Year 1)	606942	5	\$460,000	\$500,000	AC 1 of 3. Total Cost = \$2.1 M.
	I-395, I-290, I-190, I-495, Rte 2	Highway Assistance Patrols, Area 5, 4 routes, 3 year contract* (Year 1)	606943	3	\$460,000	\$500,000	AC 1 of 3. Total Cost = \$1.9 M.
	I-91, I-291, I-391	Highway Assistance Patrols, Area 6, 1 route, 3 year contract* (Year 1)	606944	2	\$92,000	\$100,000	AC 1 of 3. Total Cost = \$500k.
		Total Federal Fiscal Year 2015 - Target \$12.7M				\$12,700,000	(all new 2015 projects include 8% for inflation)

**MassDOT - Highway Division
Statewide ITS Program FY13-FY16**

Year	Route/Location	Description	Proj File #	District	Total Federal Participating Cost (TFPC)	YOE	Comments
2016	Statewide	Consultant Services Contract for ITS design and support services	606933	Statewide	\$484,000	\$550,000	
	Statewide	Consultant Services Contract for ITS design and support services	606934	Statewide	\$484,000	\$550,000	
	Statewide	Consultant Services Contract for ITS design and support services	606935	Statewide	\$484,000	\$550,000	
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network	606936	Statewide	\$3,960,000	\$4,500,000	
	Statewide	Deploy Critical Infrastructure Surveillance	606938	Statewide	\$1,936,000	\$2,200,000	
	Statewide	ITS portion of Interstate Maintenance (IM) projects	606937	Statewide	\$1,012,000	\$1,150,000	
	I-93 Braintree/Quincy/Boston	HOV lane Tow Truck Services for 2 years* (Year 2)	606930	6	\$308,000	\$350,000	AC Yr 2 of 2. 2015 YOE = \$550,000.
	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract** (Year 2)	606931	6	\$704,000	\$800,000	AC Yr 2 of 2. **District 6 to provide these services with MassDOT employees. 2015 YOE = \$1M.
	I-93 Braintree/Quincy/Boston	HOV Operating expenses for two years (year 2)	606932	6	\$176,000	\$200,000	AC Yr 2 of 2.
	I-93, I-95, Rte 1	Highway Assistance Patrols, Area 1, 6 routes, 3 year contract* (Year 2)	606939	4	\$396,000	\$450,000	AC Yr 2 of 3. TFPC= \$2.7M
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 2, 5 routes, 3 year contract* (Year 2)	606940	6	\$396,000	\$450,000	AC Yr 2 of 3. TFPC= \$2.4M
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 3, 5 routes, 3 year contract* (Year 2)	606941	6	\$396,000	\$450,000	AC Yr 2 of 3. TFPC= \$2.4M.
	I-495, I-95, Rte 24	Highway Assistance Patrols, Area 4, 4 routes, 3 year contract* (Year 2)	606942	5	\$352,000	\$400,000	AC Yr 2 of 3. TFPC = \$2.1 M.
	I-395, I-290, I-190, I-495, Rte 2	Highway Assistance Patrols, Area 5, 4 routes, 3 year contract* (Year 2)	606943	3	\$352,000	\$400,000	AC Yr 2 of 3. TFPC = \$1.9 M.
	I-91, I-291, I-391	Highway Assistance Patrols, Area 6, 1 route, 3 year contract* (Year 2)	606944	2	\$88,000	\$100,000	AC Yr 2 of 3. TFPC = \$500k.
		Total Federal Fiscal Year 2016 - Target \$12.7M				\$13,100,000	(all new 2016 projects include 12% for inflation)

FFY2013 - 2016 Statewide Infrastructure Program

FF Year	Project	Location/Description	TFPCC	YOE	STP-Infrasture	Comments
2013	604937	Lexington- Newton- Waltham- Wellesley- Weston- Traffic Sign Replacement On I-95, From Wellesley (Route 9) To Lexington (Routes 4/225) Approx. 13 Miles	\$2,800,000.00		\$2,800,000.00	AC 2 of 2. TFPC \$3M.
2013	606092	District 4- Highway Lighting Upgrades On The Lowell Connector, From The I-495 Ramps To Gorham Street	\$2,800,000.00		\$2,800,000.00	AC 2 of 2. TFPC \$4.1M
2013	605444	Seekonk- Dartmouth- Guide & Traffic Sign Replacement On I-195 & State Route 24	\$5,300,000.00		\$400,000.00	AC 1 of 2. TFPC \$5.3M.

\$ 6,000,000.00

FF Year	Project	Location/Description	TFPCC	YOE	STP-Infrasture	Comments
2014	605444	Seekonk- Dartmouth- Guide & Traffic Sign Replacement On I-195 & State Route 24	\$4,900,000.00	\$4,900,000.00	\$4,900,000.00	AC 2 of 2. TFPC \$5.3M with 0% YOE.
2014	603917	Stoneham- Woburn- Lighting Upgrades On I-93	\$1,100,000.00	\$1,100,000.00	\$1,100,000.00	AC 1 of 4. TFPC \$17.16M with 4% YOE.

\$ 6,000,000.00

FF Year	Project	Location/Description	TFPCC	YOE	STP-Infrasture	Comments
2015	603917	Stoneham- Woburn- Lighting Upgrades On I-93	\$5,400,000.00	\$5,400,000.00	\$5,400,000.00	AC 2 of 4. TFPC \$17.16M with 4% YOE.
2015	605733	Boston- Highway Lighting System Replacement On I-93, From Southampton Street To Neponset Avenue	\$600,000.00	\$600,000.00	\$600,000.00	AC 1 of 3. TFPC \$2,106,000 with 8% YOE.

\$ 6,000,000.00

FF Year	Project	Location/Description	TFPCC	YOE	STP-Infrasture	Comments
2016	605733	Boston- Highway Lighting System Replacement On I-93, From Southampton Street To Neponset Avenue	\$1,350,000.00	\$1,350,000.00	\$1,350,000.00	AC 2 of 3. TFPC \$2,106,000 with 8% YOE.
2016	603917	Stoneham- Woburn- Lighting Upgrades On I-93	\$3,600,000.00	\$3,600,000.00	\$3,600,000.00	AC 3 of 4. TFPC \$17.16M with 4% YOE.
2016	605703	Lowell- Methuen- Traffic Sign Replacement & Related Work On I-495	\$1,050,000.00	\$1,050,000.00	\$1,050,000.00	AC 1 of 2. TFPC \$4.256M with 12% TFPC.

\$ 6,000,000.00

MassDOT - NHS Preservation Program 2012 - 2016

Year	NHS Route	Location	Proj. Num.	Dist	From	To	Lns+ Shld	Tot Lane Mi	Prelim Cost/ lane mi	Prelim. Office Estimate	Program TFPCC	Inflation Adjusted (4%/YEAR)
2012	2	ACTON- BOXBOROUGH- LITTLETON- RESURFACING & RELATED WORK ON ROUTE 2	604472	3	114.0	119.8	6	34.8	147,000	5,115,600	6,087,564	
	24	RANDOLPH- CANTON- RESURFACING & RELATED WORK ON ROUTE 24	605607	6	37.8	40.1	8	18.6	264,000	4,908,831	5,890,415	
		Total FFY2012:						53.4		10,024,431	11,977,979	
2013	3	WEYMOUTH- RESURFACING & RELATED WORK ON ROUTE 3	605602	6	36.0	38.0	8	16.0	175,000	2,800,000	3,552,640	
	114	MIDDLETON	606126	4	7.9	12.1	3	9.0	155,000	1,395,000	1,769,976	
	6	BOURNE SANDWICH RESURFACING OF ROUTE 6 (MID CAPE HIGHWAY)	606286	5			4	35.0	150,000	5,250,000	6,661,200	
		Total FFY2013:						60.0		9,445,000	11,983,816	
2014	20	NORTHBOROUGH- RESURFACING & RELATED WORK ON ROUTE 20	605610	3	122.0	126.5	4	18.0	160,000	2,880,000	3,398,400	\$3,534,336
	28	BOURNE - RESURFACING AND RELATED WORK ON RT.28 (OTIS ROTARY)	606178	5	56.5	62.9	6	38.4	160,000	6,144,000	7,495,680	\$7,795,507
	9	WESTBOROUGH - SOUTHBOROUGH RESURFACING AND RELATED WORK ON ROUTE 9	TBD	3	108.0	113.0	6	30.0	220,000	6,600,000	7,788,000	\$8,099,520
	3	WEYMOUTH - BRAINTREE - QUINCY - RESURFACING AND RELATED WORK ON ROUTE 3	TBD	6	38.0	43.0	8	40.0	200,000	8,000,000	9,440,000	\$9,817,600
		Total FFY2014:						126.4		23,624,000	28,122,080	\$29,246,963
2015	7	SHEFFIELD - GREAT BARRINGTON - RESURFACING AND RELATED WORK ON US RT. 7	605887	1	0.0	7.8	4	31.2	155,000	4,836,000	5,899,920	\$6,371,914
	7	LENEX - PITTSFIELD RESURFACING AND RELATED WORK ROUTE 7	606544	1	25.7	28.7	4.5	13.5	155,000	2,092,500	2,469,150	\$2,567,916
	1	CHELSEA - REVERE - RESURFACING AND RELATED WORK ON ROUTE 1	TBD	6	50.4	54.3	6	23.4	250,000	5,850,000	6,903,000	\$7,455,240
	9	CUMMINGTON RESURFACING AND RELATED WORK ON US ROUTE 9	605582	1	16.7	27.8	4	44.4	155,000	6,882,000	8,396,040	\$9,067,723
		Total FFY2015:						112.5		19,660,500	23,668,110	\$25,462,793
2016	3	PLYMOUTH - KINGSTON RESURFACING AND RELATED WORK ON ROUTE 3	TBD	5	7.8	12.4	6	27.9	150,000	4,185,000	4,938,300	\$5,530,896
	6	DENNIS - HARWICH - BREWSTER - ORLEANS - RESURFACING AND RELATED WORK ON RT. 6	606179	5	78.5	90.9	2.5	31.0	150,000	4,650,000	5,487,000	\$6,145,440
	9	SHREWSBURY - WESTBOROUGH RESURFACING AND RELATED WORK ON ROUTE 9	TBD	3	100.3	108.0	6	46.2	220,000	10,164,000	12,400,080	\$13,888,090
		Total FFY2016:						105.1		18,999,000	22,825,380	\$25,564,426



TOWN OF ORLEANS

19 SCHOOL ROAD

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MASSACHUSETTS 02653-3699

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BOARD OF
SELECTMEN

TOWN
ADMINISTRATOR

May 5, 2010



Luisa Paiewonsky, Administrator
MassDOT Highway Division
10 Park Plaza, Suite 3170
Boston, MA 02116

RE: Route 6 Drainage into Cedar Pond

Dear Ms. Paiewonsky:

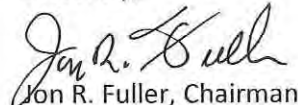
On behalf of the Town of Orleans, I am writing to seek your Department's support of highway drainage improvements along Route 6, specifically the systems that deliver stormwater to Cedar Pond. As you know, the highway passes in close proximity to the pond. We have identified 6 locations where State highway stormwater discharges directly into the pond.

The water quality problems in Cedar Pond have several causes which the Town is working to address. Local funding has been committed to improving drainage on town roads that discharge into Cedar Pond. We are working with NStar to address the roosting of birds on the transmission wires that cross the pond. The Town is also awaiting the outcome of a flushing study that will evaluate the impacts of allowing more salt water from Rock Harbor Creek to reach the pond periodically.

Environmental quality is critical to the visitor-based economy of the Lower Cape. Traditional drainage systems are not effective at removing pollutants from runoff. The Orleans Water Quality Task Force (OWQTF) has been conducting water quality monitoring in Cedar Pond since 2001. This has been in conjunction with water quality monitoring efforts being conducted by the Cape Cod Commission, and University of Massachusetts/SMASST. The OWQTF can supply you with the results of their water sampling efforts, which show that Cedar Pond is being adversely affected by unnatural levels of nutrient contaminants.

I request that you take action to make the remediation of Route 6 drainage at Cedar Pond a priority for the Department. Thank you.

Sincerely,


Jon R. Fuller, Chairman
Board of Selectmen

Cc: Bernard McCourt, District Highway Director, MassDOT Highway Division District 5 Office
Pamela Haznar, P.E., Project Development Engineer, MassDOT Highway Division District 5 Office
Paul Niedzwiecki, CCC Executive Director
Priscilla Leclerc, CCC Senior Transportation Planner

MassDOT - Interstate Maintenance Resurfacing Program 2012 - 2016

Year	Route	Location	Proj. File Numb.	TFPCC	Dist.	From	To	Est. Total Cost (est. +18%)	4% FACTOR INFLATION	8% FACTOR INFLATION	12% FACTOR INFLATION
2012	I-91	HOLYOKE- WEST SPRINGFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-91	605594	\$16,452,096	2	10.8	15.0	16,452,096			
	I-495	BELLINGHAM - MEDWAY - MILFORD - INTERSTATE RESURFACING AND RELATED WORK	606169	\$15,104,755	3	44.5	50.4	15,104,755			
	I-495	HAVERHILL- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605598	\$17,794,400	4	105.2	111.0	17,794,400			
	I-93	BOSTON - SOMERVILLE - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	606167	\$10,738,000	4	18.5	19.8	10,738,000			
	I-495	MANSFIELD- NORTON - INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605591	\$12,838,400	5	25.2	32.0	12,838,400			
	I-495	WESTFORD- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605586	\$3,776,000	3	83.1	85.1	3,776,000			
Total FFY2012:				\$76,703,651				76,703,651			
2013	I-495	FRANKLIN - INTERSTATE MAINTENANCE AND RELATED WORK ON I-495	TBD	\$5,154,240	3	42.4	44.5	5,154,240			
	I-95	LYNNFIELD- WAKEFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	605597	\$12,685,000	4	56.6	60.9	12,685,000			
	I-95	FOXBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-95	605596	\$9,440,000	5	12.5	16.5	9,440,000			
	I-93	WILMINGTON- WOBURN- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-93	604879	\$14,480,960	4	29.7	35.6	14,480,960			
	I-95	LExINGTON - BURLINGTON - INTERSTATE RESURFACING AND RELATED WORK ON I-95	606170	\$33,205,200	4	44.7	51.4	33,205,200			
Total FFY2013:				\$74,965,400				74,965,400			
2014	I-91	EASTHAMPTON NORTHAMPTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-91	606582	\$10,797,000	2	20.8	26.9	10,797,000	11,228,880		
	I-91	BERNARDSTON - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	606173	\$7,965,000	2	50.4	54.9	7,965,000	8,283,600		
	I-190	WORCESTER- INTERSTATE MAINTENANCE & RELATED WORK ON I-190 (NB)	605588	\$11,044,800	3	0.0	3.9	11,044,800	11,486,592		
	I-95	SHARON WALPOLE - INTERSTATE RESURFACING AND RELATED WORK ON I-95	606171	\$9,912,000	5	16.5	20.7	9,912,000	10,308,480		
	I-495	CHELMSFORD - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	606174	\$12,489,120	4	85.1	90.0	12,489,120	12,988,685		
	I-195	NEW BEDFORD -FAIRHAVEN - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	606172	\$10,384,000	5	24.8	29.2	10,384,000	10,799,360		
Total FFY2014:				\$65,095,597				62,591,920	65,095,597		
2015	I-84	STURBRIDGE- HOLLAND- INTERSTATE MAINTENANCE & RELATED WORK ON I-84	605592	\$14,337,000	3	0.0	7.5	13,275,000		14,337,000	
	I-95	GEORGETOWN NEWBURY WEST NEWBURY NEWBURYPORT SALISBURY- INTERSTATE ROUTE I-95 (SALISBURY 3080 FEET TO STATE LINE)	606549	\$28,674,000	4	77.4	86.4	26,550,000		28,674,000	
			-			90.2	90.82				
	I-495	LOWELL TEWKSBURY ANDOVER	606574	\$20,390,400	4	92.0	100.0	18,880,000		20,390,400	
Total FFY2015:				\$63,401,400				58,705,000		63,401,400	
2016	I-91	HATFIELD WHATELY	606577	\$11,894,400	2	26.9	34.4	10,620,000			11,894,400
	I-290	NORTHBORO - MARLBORO	TBD	\$8,923,443	3	16.1	20.3	7,967,360			8,923,443
	I-495	FRANKLIN INTERSTATE AND RELATED WORK	606546	\$10,149,888	3	39.7	44.5	9,062,400			10,149,888
	I-190	STERLING LEOMINSTER LANCASTER	606575	\$16,493,568	3	8.7	19.1	14,726,400			16,493,568
	I-495	FOXBOROUGH - PLAINVILLE - WRENTHAM - I. M. RESURFACING AND RELATED WORK ON I-495	606176	\$12,475,904	5	32.4	38.3	11,139,200			12,475,904
	I-91	GREENFIELD BERNARDSTON	TBD	\$3,068,755	2	48.6	50.4	2,739,960			3,068,755
Total FFY2016:				\$63,005,958				56,255,320			63,005,958

Resurfacing Work Being Performed Outside of IM-Resurfacing Projects (Add-A-Lane & Design Build).		
Route		Resurfacing \$
I-91	Deerfield Bridge (mm 37.7-40.0)	\$ 3,582,480
I-95	Whittier Bridge (Mm 86.4 - 90.2)	\$ 9,864,800
I-95	Canton - Wellesley (mm 22.56 - 30.0)	\$ 19,314,240
I-93	Canton - Milton (mm 0.0 - 3.4)	\$ 8,826,400
Total		\$ 41,587,920

FFY2013 -2016 Bridge Maintenance projects

Year	Project ID	Location	Description	TFPCC	YOE cost
2013		Statewide	MassDOT District 1	\$310,000	
		Statewide	MassDOT District 2	\$1,850,000	
		Statewide	MassDOT District 3	\$1,520,000	
		Statewide	MassDOT District 4	\$2,470,000	
		Statewide	MassDOT District 5	\$1,900,000	
		Statewide	MassDOT District 6	\$1,940,000	
				\$9,990,000	
2014		Statewide	MassDOT District 1	\$300,000	\$312,000
		Statewide	MassDOT District 2	\$1,780,000	\$1,851,200
		Statewide	MassDOT District 3	\$1,460,000	\$1,518,400
		Statewide	MassDOT District 4	\$2,370,000	\$2,464,800
		Statewide	MassDOT District 5	\$1,830,000	\$1,903,200
		Statewide	MassDOT District 6	\$1,870,000	\$1,944,800
				\$9,610,000	\$9,994,400
2015		Statewide	MassDOT District 1	\$290,000	\$313,200
		Statewide	MassDOT District 2	\$1,710,000	\$1,846,800
		Statewide	MassDOT District 3	\$1,410,000	\$1,522,800
		Statewide	MassDOT District 4	\$2,280,000	\$2,462,400
		Statewide	MassDOT District 5	\$1,760,000	\$1,900,800
		Statewide	MassDOT District 6	\$1,800,000	\$1,944,000
				\$9,250,000	\$9,990,000
2016		Statewide	MassDOT District 1	\$280,000	\$313,600
		Statewide	MassDOT District 2	\$1,650,000	\$1,848,000
		Statewide	MassDOT District 3	\$1,360,000	\$1,523,200
		Statewide	MassDOT District 4	\$2,200,000	\$2,464,000
		Statewide	MassDOT District 5	\$1,700,000	\$1,904,000
		Statewide	MassDOT District 6	\$1,740,000	\$1,948,800
				\$8,930,000	\$10,001,600

FFY2013 - 2016 ADA retrofit program, project listing

Year	Project ID	Location	Description	TFPCC	YOE cost
2013	607014	Statewide	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	\$120,000	
	607015	Statewide	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	\$270,000	
	607016	Statewide	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	\$460,000	
	607018	Statewide	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	\$790,000	
	607019	Statewide	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	\$770,000	
	607020	Statewide	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	\$590,000	
				\$3,000,000	

2014	607021	Statewide	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	\$160,000	\$166,400
	607022	Statewide	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	\$340,000	\$353,600
	607023	Statewide	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	\$590,000	\$613,600
	607024	Statewide	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	\$1,010,000	\$1,050,400
	607025	Statewide	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	\$990,000	\$1,029,600
	607026	Statewide	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	\$760,000	\$790,400
				\$3,850,000	\$4,004,000

2015	607028	Statewide	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	\$150,000	\$162,000
	607030	Statewide	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	\$330,000	\$356,400
	607031	Statewide	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	\$570,000	\$615,600
	607032	Statewide	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	\$970,000	\$1,047,600
	607033	Statewide	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	\$950,000	\$1,026,000
	607034	Statewide	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	\$730,000	\$788,400
				\$3,700,000	\$3,996,000

2016	607035	Statewide	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	\$150,000	\$168,000
	607036	Statewide	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	\$320,000	\$358,400
	607038	Statewide	DISTRICT 3- ADA RETROFITS AT VARIOUS LOCATIONS	\$550,000	\$616,000
	607039	Statewide	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	\$940,000	\$1,052,800
	607041	Statewide	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	\$920,000	\$1,030,400
	607042	Statewide	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS	\$710,000	\$795,200
				\$3,590,000	\$4,020,800

FFY 2013 THROUGH 2016 MASSDOT HIGHWAY DIVISION Safe Routes To Schools PROJECTS

NO.	DESCRIPTION	Dist.	REGION	DESIGN STATUS	STIP year	TFPCC	COMMENTS
2013 PROGRAM/PROJECTS							
	SRTS - Education		Statewide	N/A	2013	837,000	
	SRTS - Planning & Design		Statewide	N/A	2013	545,000	
606521	Braintree - Ross Elementary	6	Boston	0%	2013	552,500	Survey completed soon. 25%/75% expected Jun 12
606516	Wakefield - Dolbeare Elementary	4	Boston	0%	2013	513,125	Board of Selectmen endorsed. 25%/75% expected Oct 12
606519	Brockton - Brookfield Scool	5	Old Colony	0%	2013	618,125	Survey completed soon. 25%/75% expected Aug 12
	Pittsfield	1	Berkshire	0%	2014	546,000	City endorsed, survey in spring of 12.
	Worcester	3	Central Mass.	0%	2014	583,000	City has not endorsed yet.
						4,194,750	
2014 - PROGRAM/PROJECTS							
	SRTS - Education		Statewide	N/A	2014	855,000	
	SRTS - Planning & Design		Statewide	N/A	2014	570,500	
	Manchester - Memorial Elementary	4	Boston	0%	2014	505,440	PRC approval Summer 12
	Malden - Beebe School	4	Boston	0%	2014	480,480	PRC approval Summer 12
	Milton - Glover Elementary	6	Boston	0%	2014	624,520	PRC approval Fall 12
	Southampton - Norris Elementary	2	Pioneer Valley	0%	2014	572,940	PRC approval Fall 12
	Springfield - Alice Beal School	2	Pioneer Valley	0%	2014	404,560	PRC approval Spring 12
	Westwood - Downey Elementary	6	Boston	0%	2014	569,920	PRC approval Fall 12
	Mansfield - Jordan/Jackson Elementary	5	Southeastern Mass.	0%	2014	609,440	PRC approval Fall 12
						5,196,800	TFPCC includes YOY of 4%
2015 - PROGRAM/PROJECTS							
	SRTS - Education		Statewide	N/A	2015	872,500	
	SRTS - Planning & Design		Statewide	N/A	2015	660,000	
	North Andover - North Andover Middle	4	Merrimack Valley	0%	2015	655,200	PRC approval Spring 12
	Saugus - Veterans Memorial	4	Boston	0%	2015	432,000	PRC approval Fall 12
	Somerville - Healey School	6	Boston	0%	2015	768,960	PRC approval Fall 12
	Fitchburg - South Street Elementary	3	Montachusett	0%	2015	540,000	PRC approval TBD
	TBD					450,000	
	TBD					400,000	
	TBD					400,000	
						5,178,660	TFPCC includes YOY of 8%
2016 - PROGRAM/PROJECTS							
	SRTS - Education		Statewide	N/A		872,500	
	SRTS - Planning & Design		Statewide	N/A		660,000	
	TBD					500,000	
	TBD					500,000	
	TBD					500,000	
	TBD					500,000	
	TBD					500,000	
	TBD					500,000	
	TBD					500,000	
						5,032,500	TFPCC includes YOY of 12%

BRIDGE (BR) TOTAL A.C. DISTRIBUTION (4/4/2012)									
PROJ #	Description	Previous Years	2012	2013	2014	2015	2016	Total Future/Remaining AC Conversions	Total Federal Participating Cost
FY11 and Prior Advertisements									
603370	Boston- Bridge Rehabilitation, B-16-029, Route 99 (Alford Street) Over Mystic River	\$32,330,197	\$14,000,000	\$7,700,000	\$3,000,000	\$0	\$0	\$24,700,000	\$57,030,197
604517	Boston- Bridge Replacement, B-16-020=C-09-004, Chelsea Street Over The Chelsea River	\$121,471,882	\$16,339,448	\$0	\$0	\$0	\$0	\$16,339,448	\$137,811,330
82611	Chicopee- Holyoke- Bridge Rehabilitation, C-13-012=H-21-030, Route 116 (Chicopee/Cabot St) Over Connecticut River & Pv Rr	\$12,858,794	\$8,000,000	\$1,850,000	\$1,000,000	\$0	\$0	\$10,850,000	\$23,708,794
603478	Deerfield- Bridge Rehabilitation, D-06-044 & D-06-045, Route I-91 (Nb & Sb) Over The Deerfield River (Stillwater Road And Lower Road)	\$20,168,902	\$13,000,000	\$5,850,000	\$5,000,000	\$5,000,000	\$0	\$28,850,000	\$49,018,902
601585	Gill- Montague- Bridge Rehabilitation, G-04-010=M-28-031, Avenue A Over Connecticut River & Repair Of G-12-020=M-28-001, Montague City Road Over The Connecticut River	\$39,760,295	\$8,000,000	\$1,312,591	\$0	\$0	\$0	\$9,312,591	\$49,072,886
600988	Groveland- Haverhill- Bridge Replacement, G-15-001=H-12-012, Route 97 & Route 113 Over The Merrimack River (Bates Bridge)	\$42,350,200	\$5,000,000	\$8,584,812	\$0	\$0	\$0	\$13,584,812	\$55,935,012
601845	Lowell- Bridge Replacement, L-15-021, University (Textile) Avenue Over The Merrimack River And Northern Canal	\$26,261,186	\$6,660,552	\$5,502,597	\$4,800,000	\$0	\$0	\$16,963,149	\$43,224,335
	Scheduled AC Conversions		\$71,000,000	\$30,800,000	\$13,800,000	\$5,000,000	\$0	\$120,600,000	\$415,801,456
FY12 Advertisements									
604029	Oak Bluffs- Tisbury- Bridge Replacement, O-01-001=T-04-001, Beach Road Over Lagoon Pond Drawbridge		\$2,000,000	\$9,000,000	\$12,000,000	\$7,000,000	\$0	\$28,000,000	\$30,000,000
606354	Fall River- Somerset- Structural Steel Repairs & Painting, F-02-058=S-16-008, I-195 Over Rte 79 & Taunton River (Braga Bridge - Phase II)		\$45,625,000	\$15,000,000	\$14,375,000	\$0	\$0	\$29,375,000	\$75,000,000
	Scheduled AC Conversions			\$24,000,000	\$26,375,000	\$7,000,000	\$0	\$57,375,000	\$105,000,000
FY13 Advertisements									
603711	Needham- Wellesley- Bridge Rehab/Replacement On I-95/Route 128 (Add-A-Lane - Bridge V). Bridge funds only. See project AC Chart for full TFPC.			\$2,000,000	\$8,500,000	\$0	\$0	\$8,500,000	\$10,500,000
600703	Lexington- Bridge Replacement, L-10-009, Route 2 (EB & WB) Over Route I-95 (Route 128)			\$1,800,000	\$15,000,000	\$15,000,000	\$0	\$30,000,000	\$31,800,000
	Scheduled AC Conversions				\$23,500,000	\$15,000,000	\$0	\$38,500,000	\$42,300,000
FY14 Advertisements									
						\$0	\$0	\$0	
	Scheduled AC Conversions					\$0	\$0	\$0	\$0
FY15 Advertisements									
603722	Lexington- Bridge Replacement, L-10-010, Route 2A (Marrett Road) Over I-95/Route 128					\$1,456,261	\$10,000,000	\$20,660,978	\$22,117,239
600867	Boston- Bridge Replacement, B-16-237, Massachusetts Avenue (Route 2A) Over Commonwealth Avenue					\$2,700,000	\$9,000,000	\$20,484,000	\$23,184,000
	Scheduled AC Conversions						\$19,000,000	\$41,144,978	\$45,301,239
FY16 Advertisements									
605304	Haverhill- Bridge Replacement, H-12-007 & H-12-025, Bridge Street (Sr 125) Over The Merrimack River						\$1,500,000	\$55,172,000	\$56,672,000
604173	Boston- Bridge Rehabilitation, B-16-016, North Washington Street Over The Charles River						\$1,500,000	\$51,499,912	\$52,999,912
	Scheduled AC Conversions					\$0	\$1,500,000	\$106,671,912	\$109,671,912
15	TOTAL SCHEDULED AC CONVERSIONS		\$71,000,000	\$54,800,000	\$63,675,000	\$27,000,000	\$20,500,000	\$364,291,890	\$718,074,607

FY2013 BRIDGE ON/OFF SYSTEM LIST (listed by alpha as of 4/6/12)

PROJ #	DESCRIPTION	D	Funding	
			Source	TFPC
606033	ATTLEBORO- BRIDGE PRESERVATION, A-16-053, I-95 (NB) OVER NORTH AVENUE	5	BR-On	\$ 1,000,000.00
607110	BEDFORD- BRIDGE PRESERVATION, B-04-001, SR 4 (GREAT ROAD) OVER THE SHAWSHEEN RIVER	4	BR-Off	\$ 586,250.00
604642	BERKLEY- BRIDGE REPLACEMENT, B-08-003, PADELFO RD STREET OVER STATE ROUTE 24	5	BR-On	\$ 4,831,567.35
606448	BOSTON- DECK PATCHING & SUPERSTRUCTURE REPAIRS ON B-16-365 (BOWKER OVERPASS)	6	BR-On	\$ 10,800,110.00
604721	CHESTER- BRIDGE REPLACEMENT, C-11-020, GEORGE MILLER ROAD OVER THE MIDDLE BRANCH OF THE WESTFIELD RIVER	1	BR-Off	\$ 1,055,422.50
607111	CONCORD- BRIDGE PRESERVATION, C-19-014, OLD STOW ROAD OVER MBTA & BM RR	4	BR-Off	\$ 825,000.00
600496	DARTMOUTH- RECONSTRUCTION OF FAUNCE CORNER ROAD & IMPROVEMENTS TO I-195 RAMPS & INTERSECTIONS, INCLUDES REPLACEMENT OF D-04-016, OVER I-195	5	BR-On	\$ 9,360,000.00
606374	DIGHTON- BRIDGE REPLACEMENT, D-08-006, BROOK STREET OVER SEGREGANSET RIVER	5	BR-Off	\$ 1,888,104.00
606302	DUNSTABLE- BRIDGE REPLACEMENT, D-13-001, MAIN STREET OVER SALMON BROOK	3	BR-Off	\$ 1,440,000.00
605838	FALL RIVER- BRIDGE BETTERMENT, F-02-042, WILSON ROAD OVER ROUTE 24	5	BR-On	\$ 5,600,040.00
606386	FALL RIVER- BRIDGE PRESERVATION, F-02-052, HERMAN STREET OVER ROUTE 79	5	BR-Off	\$ 1,920,000.00
606136	FALL RIVER- SUPERSTRUCTURE REPLACEMENT, F-02-044, MERIDIAN STREET OVER ROUTE 24	5	BR-On	\$ 4,600,080.00
605774	HOPKINTON- BRIDGE BETTERMENT, H-23-012, I-90 RAMP OVER I-495	3	BR-On	\$ 5,341,960.00
602994	HUNTINGTON- BRIDGE REPLACEMENT, H-27-006, ROUTE 112 OVER THE WESTFIELD RIVER & CSX RAILROAD	1	BR-Off	\$ 4,872,000.00
603514	LEOMINSTER- BRIDGE REPLACEMENT, L-08-014, WHITNEY STREET OVER THE MONOOSNOC BROOK	3	BR-On	\$ 2,430,800.00
600703	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	4	BR-On	\$ 1,800,000.00
605618	LUDLOW- WILBRAHAM- BRIDGE REHABILITATION, L-16-002=W-35-002, EAST STREET OVER THE CHICOPEE RIVER	2	BR-On	\$ 950,000.00
606911	MONROE- ROWE- BRIDGE REPLACEMENT, M-26-002=R-10-002, DEPOT STREET OVER THE DEERFIELD RIVER	1	BR-On	\$ 3,000,000.00
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	6	BR-On	\$ 2,000,000.00
604507	OXFORD- CULVERT REPLACEMENT, O-06-001, COMINS ROAD OVER FRENCH RIVER	3	BR-On	\$ 1,303,037.51
606383	RAYNHAM- BRIDGE DECK REPLACEMENT, R-02-025, ROUTE 138 OVER I-495	5	BR-On	\$ 1,920,000.00
604492	ROYALSTON- BRIDGE REPLACEMENT, R-12-001, STOCKWELL ROAD OVER LAWRENCE BROOK	2	BR-Off	\$ 920,301.25
604515	ROYALSTON- BRIDGE REPLACEMENT, R-12-006, NORTH FITZWILLIAM ROAD OVER LAWRENCE BROOK	2	BR-Off	\$ 1,168,400.00
607112	SANDISFIELD- BRIDGE REPLACEMENT, S-03-005, CLARK ROAD OVER THE FARMINGTON RIVER (WEST BRANCH)	1	BR-Off	\$ 1,440,000.00
606345	SPRINGFIELD- BRIDGE REHABILITATION, S-24-077, ROUTE I-291 OVER PAGE BOULEVARD	2	BR-On	\$ 3,125,400.00
606638	SUTTON- BRIDGE REPLACEMENT, S-33-005, BLACKSTONE STREET OVER BLACKSTONE RIVER	3	BR-Off	\$ 2,400,000.00
604339	WESTHAMPTON- BRIDGE REHABILITATION, W-27-015, NORTH ROAD OVER ROBERTS MEADOW BROOK	2	BR-Off	\$ 1,093,833.56
604065	WORCESTER- BRIDGE RECONSTRUCTION, W-44-094, (SR 9) BELMONT STREET OVER I-290	3	BR-On	\$ 7,572,261.25
28				\$85,244,567.42

FY2013 BRIDGE ON/OFF SYSTEM LIST *(listed by alpha as of 4/6/12)*
AC BRIDGES PREVIOUSLY ADVERTISED

603370	BOSTON- BRIDGE REHABILITATION, B-16-029, ROUTE 99 (ALFORD STREET) OVER MYSTIC RIVER	4	BR-On	\$	7,700,000.00
82611	CHICOPEE- HOLYOKE- BRIDGE REHABILITATION, C-13-012=H-21-030, ROUTE 116 (CHICOPEE/CABOT ST) OVER CONNECTICUT RIVER & PV RR (AKA WILLIMANSETT BRIDGE)	2	BR-On	\$	1,850,000.00
603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	2	BR-On	\$	5,850,000.00
606354	FALL RIVER- SOMERSET- STRUCTURAL STEEL REPAIRS & PAINTING, F-02-058=S-16-008, I-195 OVER RTE 79 & TAUNTON RIVER (BRAGA BRIDGE - PHASE II)	5	BR-On	\$	15,000,000.00
601585	GILL- MONTAGUE- BRIDGE REHABILITATION, G-04-010=M-28-031, AVENUE A OVER CONNECTICUT RIVER & REPAIR OF G-12-020=M-28-001, MONTAGUE CITY ROAD OVER THE CONNECTICUT RIVER	2	BR-On	\$	1,313,000.00
600988	GROVELAND- HAVERHILL- BRIDGE REPLACEMENT, G-15-001=H-12-012, ROUTE 97 & ROUTE 113 OVER THE MERRIMACK RIVER (BATES BRIDGE)	4	BR-On	\$	8,585,000.00
601845	LOWELL- BRIDGE DEMOLITION, L-15-021 & NEW BRIDGE CONSTRUCTION, L-15-095, UNIVERSITY (TEXTILE) AVENUE OVER THE MERRIMACK RIVER AND NORTHERN CANAL	4	BR-On	\$	5,503,000.00
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	BR-On	\$	9,000,000.00
8				\$	54,801,000.00

SUMMARY

28	FA \$	\$ 85,244,567.42
8	AC \$	\$ 54,801,000.00
36	TOTAL \$	\$ 140,045,567.42

BRIDGE ON/OFF BUDGET = **\$ 139,175,000.00**
 DIFFERENCE = **\$ (870,567.42)**

FY2014 BRIDGE ON/OFF SYSTEM LIST *(listed by alpha as of 4/6/12)*

PROJ #	DESCRIPTION	D	Funding Source	TFPC	4% INFLATED TFPC
605895	BELLINGHAM- BRIDGE DEMOLITION, B-06-011, ROUTE 126 OVER CSX RAILROAD (ABANDONED) & INSTALLATION OF BIKE PATH CULVERT	3	Br-On	\$ 1,200,000.00	\$ 1,248,000.00
604189	BERNARDSTON- BRIDGE REPLACEMENT, B-10-004, U.S. ROUTE 5 (BRATTLEBORO ROAD) OVER SHATTUCK BROOK	2	Br-On	\$ 2,185,200.00	\$ 2,272,608.00
604462	BOSTON- BRIDGE REPLACEMENT, B-16-209, WEST SECOND STREET OVER HAUL ROAD & CSX RR	6	Br-On	\$ 1,266,000.00	\$ 1,316,640.00
606449	CAMBRIDGE- BRIDGE PRESERVATION, C-01-008, FIRST STREET BRIDGE & C-01-040, LAND BOULEVARD/BROAD CANAL BRIDGE	6	Br-On	\$ 3,600,000.00	\$ 3,744,000.00
607113	DUDLEY- BRIDGE REPLACEMENT, D-12-009, CARPENTER ROAD OVER ABANDONED RR	3	BR-Off	\$ 401,250.00	\$ 417,300.00
603513	GARDNER- BRIDGE REPLACEMENT, G-01-008, PLEASANT STREET OVER THE B&M RAILROAD	3	Br-On	\$ 1,440,000.00	\$ 1,497,600.00
607114	LANCASTER- SUPERSTRUCTURE REPLACEMENT, L-02-018, JACKSON ROAD OVER ROUTE 2	3	BR-Off	\$ 3,690,000.00	\$ 3,837,600.00
603796	MANSFIELD- BRIDGE REPLACEMENT, M-03-003 & M-03-045, BALCOM STREET OVER THE WADING RIVER	5	BR-Off	\$ 1,226,568.00	\$ 1,275,630.72
607115	NEWBURYPORT- BRIDGE REPAIRS, N-11-015, WASHINGTON STREET OVER US 1	4	BR-Off	\$ 1,350,000.00	\$ 1,404,000.00
602319	NORTHFIELD- BRIDGE REPLACEMENT, N-22-010, BIRNAM ROAD OVER MILL BROOK	2	BR-Off	\$ 1,170,000.00	\$ 1,216,800.00
604589	NORTON- BRIDGE REPLACEMENT, N-23-017, PLAIN STREET OVER THE CANOE RIVER	5	Br-On	\$ 987,500.00	\$ 1,027,000.00
604429	PELHAM- BRIDGE REPLACEMENTS, P-04-006, MEETINGHOUSE ROAD OVER AMETHYST BROOK & P-04-007, MEETINGHOUSE ROAD OVER HARRIS BROOK	2	BR-Off	\$ 2,100,000.00	\$ 2,184,000.00
606390	SANDWICH- BRIDGE REPLACEMENT, S-04-001, CRANBERRY HIGHWAY (ROUTE 6A) OVER SCORTON RIVER	5	Br-On	\$ 2,880,000.00	\$ 2,995,200.00
602587	WESTMINSTER- BRIDGE REPLACEMENT, W-28-017, ROUTE 12 (ASHBURNHAM ROAD) OVER PHILLIPS BROOK	3	Br-On	\$ 1,440,000.00	\$ 1,497,600.00
605935	WILLIAMSTOWN- BRIDGE REPLACEMENT, W-37-009, HOPPER ROAD OVER GREEN RIVER	1	BR-Off	\$ 3,348,000.00	\$ 3,481,920.00
42603	WILMINGTON- BRIDGE REPLACEMENT, W-38-002, ROUTE 38 (MAIN STREET) OVER THE B&M RAILROAD	4	Br-On	\$ 4,320,000.00	\$ 4,492,800.00
16				\$ 32,604,518.00	\$ 33,908,698.72

AC BRIDGES PREVIOUSLY ADVERTISED

603370	BOSTON- BRIDGE REHABILITATION, B-16-029, ROUTE 99 (ALFORD STREET) OVER MYSTIC RIVER	4	Br-On	\$ 3,000,000.00	
82611	CHICOPEE- HOLYOKE- BRIDGE REHABILITATION, C-13-012=H-21-030, ROUTE 116 (CHICOPEE/CABOT ST) OVER CONNECTICUT RIVER & PV RR (AKA WILLIMANSETT BRIDGE)	2	Br-On	\$ 1,000,000.00	
603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	2	Br-On	\$ 5,000,000.00	
606354	FALL RIVER- SOMERSET- STRUCTURAL STEEL REPAIRS & PAINTING, F-02-058=S-16-008, I-195 OVER RTE 79 & TAUNTON RIVER (BRAGA BRIDGE - PHASE II)	5	Br-On	\$ 14,375,000.00	
600703	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	4	Br-On	\$ 15,000,000.00	
601845	LOWELL- BRIDGE DEMOLITION, L-15-021 & NEW BRIDGE CONSTRUCTION, L-15-095, UNIVERSITY (TEXTILE) AVENUE OVER THE MERRIMACK RIVER AND NORTHERN CANAL	4	Br-On	\$ 4,800,000.00	
603711	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V)	4	Br-On	\$ 8,500,000.00	
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	Br-On	\$ 12,000,000.00	
8				\$ 63,675,000.00	

SUMMARY

16	FA \$ (inflated)	\$ 33,908,698.72
8	AC \$	\$ 63,675,000.00
24	TOTAL \$	\$ 97,583,698.72

BRIDGE ON/OFF BUDGET = **\$ 99,175,000.00**
 DIFFERENCE = **\$ 1,591,301.28**

FY2015 BRIDGE ON/OFF SYSTEM LIST *(listed by alpha as of 4/6/12)*

PROJ #	DESCRIPTION	D	Funding Source	TFPC	8% INFLATED TFPC
606301	ASHBY- BRIDGE REPLACEMENT, A-12-006, TURNPIKE ROAD OVER TRAPFALL BROOK	3	Br-Off	\$ 1,800,000.00	\$ 1,944,000.00
600867	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	Br-On	\$ 2,700,000.00	\$ 2,916,000.00
604428	CHELSEA- BRIDGE REPLACEMENT, C-09-001, WASHINGTON AVENUE OVER THE MBTA AND B&M RAILROAD	6	Br-On	\$ 3,576,000.00	\$ 3,862,080.00
605094	FITCHBURG- BRIDGE BETTERMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	3	Br-On	\$ 3,065,040.00	\$ 3,310,243.20
607116	FLORIDA- BRIDGE REPLACEMENT, F-05-002, SOUTH COUNTY ROAD OVER THE COLD RIVER	1	Br-Off	\$ 1,242,000.00	\$ 1,341,360.00
605299	GREAT BARRINGTON- BRIDGE REPLACEMENT, G-11-005, SR 183 (PARK STREET) OVER HOUSATONIC RIVER	1	Br-On	\$ 3,000,000.00	\$ 3,240,000.00
607117	HAWLEY- BRIDGE REPLACEMENT, H-13-003, SAVOY ROAD OVER THE CHICKLEY RIVER	1	Br-Off	\$ 1,764,000.00	\$ 1,905,120.00
607118	HEATH- BRIDGE REPLACEMENT, H-14-009, SADOGA ROAD OVER THE BURRINGTON BROOK	1	Br-Off	\$ 1,128,750.00	\$ 1,219,050.00
604675	HOLDEN- BRIDGE REHABILITATION, H-18-020, RIVER STREET OVER QUINAPOXET RIVER	3	Br-Off	\$ 2,397,399.57	\$ 2,589,191.54
606632	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	3	Br-On	\$ 7,657,850.00	\$ 8,270,478.00
607119	IPSWICH- BRIDGE REPAIRS, I-01-001, GREEN STREET OVER THE IPSWICH RIVER	4	Br-Off	\$ 1,294,800.00	\$ 1,398,384.00
604839	LAWRENCE- BRIDGE REPLACEMENT, L-04-027, LOWELL STREET OVER B&M RAILROAD	4	Br-On	\$ 4,500,232.00	\$ 4,860,250.56
603722	LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128	4	Br-On	\$ 1,456,261.00	\$ 1,572,761.88
602932	LOWELL- BRIDGE REPLACEMENT, L-15-058, VFW HIGHWAY OVER BEAVER BROOK	4	Br-On	\$ 12,428,722.00	\$ 13,423,019.76
604655	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	5	Br-Off	\$ 2,243,522.00	\$ 2,423,003.76
606030	NORTH ATTLEBORO- DECK REPLACEMENT, N-16-047, TONER BOULEVARD OVER I-95	5	Br-On	\$ 4,800,000.00	\$ 5,184,000.00
606309	ORANGE- BRIDGE REPLACEMENT, O-03-021, ROUTE 2 OVER ROUTE 202	2	Br-On	\$ 27,342,595.50	\$ 29,530,003.14
607121	SAVOY- BRIDGE REPLACEMENT, S-06-004, RIVER ROAD OVER THE WESTFIELD RIVER	1	Br-Off	\$ 1,140,000.00	\$ 1,231,200.00
604838	WINCHENDON- BRIDGE REPLACEMENT, W-39-001, HARRIS ROAD OVER TARBELL BROOK	2	Br-Off	\$ 2,903,040.00	\$ 3,135,283.20
19				\$ 86,440,212.07	\$ 93,355,429.04

AC BRIDGES PREVIOUSLY ADVERTISED

603478	DEERFIELD- BRIDGE REHABILITATION, D-06-044 & D-06-045, ROUTE I-91 (NB & SB) OVER THE DEERFIELD RIVER (STILLWATER ROAD AND LOWER ROAD)	2	Br-On	\$ 5,000,000.00	
600703	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	4	Br-On	\$ 15,000,000.00	
604029	OAK BLUFFS- TISBURY- BRIDGE REPLACEMENT, O-01-001=T-04-001, BEACH ROAD OVER LAGOON POND DRAWBRIDGE	5	Br-On	\$ 7,000,000.00	
3				\$ 27,000,000.00	

SUMMARY

19	FA \$ (inflated)	\$ 93,355,429.04
3	AC \$	\$ 27,000,000.00
22	TOTAL \$	\$ 120,355,429.04
BRIDGE ON/OFF BUDGET =		\$ 122,000,000.00
DIFFERENCE =		\$ 1,644,570.96

FY2016 BRIDGE ON/OFF SYSTEM LIST *(listed by alpha as of 4/6/12)*

PROJ #	DESCRIPTION	D	Funding		TFPC	12% INFLATED TFPC
			Source			
604173	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	Br-On	\$	2,600,000.00	\$ 2,600,000.00
607123	CHELMSFORD- BRIDGE PRESERVATION, C-08-048, HUNT ROAD OVER I-495	4	Br-Off	\$	5,148,000.00	\$ 5,765,760.00
602320	DEERFIELD- BRIDGE PRESERVATION, D-06-023, MCCLELLAN FARM ROAD OVER THE B&M RAILROAD	2	Br-Off	\$	4,528,100.00	\$ 5,071,472.00
601894	GREENFIELD- BRIDGE REHABILITATION, G-12-010, EUNICE WILLIAMS ROAD OVER THE GREEN RIVER	2	Br-Off	\$	2,400,000.00	\$ 2,688,000.00
605304	HAVERHILL- BRIDGE REPLACEMENT, H-12-007 & H-12-025, BRIDGE STREET (SR 125) OVER THE MERRIMACK RIVER AND THE ABANDONED B&M RR (PROPOSED BIKEWAY)	4	Br-On	\$	2,718,000.00	\$ 2,718,000.00
600936	HOLYOKE- BRIDGE REPLACEMENT, H-21-018, LYMAN STREET OVER FIRST LEVEL CANAL	2	Br-On	\$	6,151,250.00	\$ 6,889,400.00
607127	HUBBARDSTON- BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	3	Br-Off	\$	1,101,875.00	\$ 1,234,100.00
607130	NANTUCKET- BRIDGE REPLACEMENT, N-02-003, AMES AVENUE OVER HITHER CREEK	5	Br-Off	\$	2,500,800.00	\$ 2,800,896.00
605324	PETERSHAM- BRIDGE REPLACEMENT, P-08-002, GLEN VALLEY ROAD OVER EAST BRANCH SWIFT RIVER	2	Br-Off	\$	2,580,000.00	\$ 2,889,600.00
603560	PITTSFIELD- BRIDGE REPLACEMENT, P-10-026, ELM STREET OVER THE EAST BRANCH OF HOUSATONIC RIVER	1	Br-On	\$	3,500,028.00	\$ 3,920,031.36
607132	QUINCY- BRIDGE REPLACEMENT, Q-01-038, STEDMAN STREET OVER I-93/US 1/SR 3	6	Br-Off	\$	2,751,600.00	\$ 3,081,792.00
607133	QUINCY- BRIDGE REPLACEMENT, Q-01-039, ROBERTSON STREET OVER I-93/US 1/SR 3	6	Br-Off	\$	3,084,000.00	\$ 3,454,080.00
605749	REHOBOTH- BRIDGE REPLACEMENT, R-04-001, ROUTE 44 (WINTHROP STREET) OVER THE PALMER RIVER & REHAB OF R-04-014, ROUTE 44 OVER PALMER RIVER BYPASS	5	Br-On	\$	2,543,402.00	\$ 2,848,610.24
606303	RUTLAND- BRIDGE SUPERSTRUCTURE REPLACEMENT, R-14-004, INTERVALE ROAD OVER EAST BRANCH OF WARE RIVER	3	Br-Off	\$	1,200,000.00	\$ 1,344,000.00
603024	SOUTHAMPTON- BRIDGE REPLACEMENT, S-19-024, VALLEY ROAD OVER MOOSE BROOK	2	Br-Off	\$	1,352,400.00	\$ 1,514,688.00
606372	WAREHAM- BRIDGE REPLACEMENT, W-06-002, PAPER MILL ROAD OVER WEWEANTIC RIVER	5	Br-Off	\$	1,378,104.00	\$ 1,543,476.48
604468	WEST BROOKFIELD- BRIDGE REPLACEMENT, W-19-008, WICKABOAG VALLEY ROAD OVER SUCKER BROOK	2	Br-Off	\$	2,018,400.00	\$ 2,260,608.00
603516	WORCESTER- BRIDGE REPLACEMENT, W-44-063, ROUTE 122 (GRAFTON STREET) OVER ROUTE 20	3	Br-On	\$	4,506,000.00	\$ 5,046,720.00
607135	WORCESTER- DECK REPLACEMENT & PAINTING, W-44-083, HARRISON STREET OVER I-290	3	Br-Off	\$	4,000,800.00	\$ 4,480,896.00
19					\$56,062,759.00	\$ 62,152,130.08

AC BRIDGES PREVIOUSLY ADVERTISED

600867	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	Br-On	\$	9,000,000.00	
603722	LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128	4	Br-On	\$	10,000,000.00	
2					\$ 19,000,000.00	

SUMMARY

19	FA \$ (inflated)	\$62,152,130.08
2	AC \$	\$ 19,000,000.00
21	TOTAL \$	\$ 81,152,130.08
BRIDGE ON/OFF BUDGET =		\$ 82,000,000.00
DIFFERENCE =		\$ 847,869.92

Priscilla Leclerc

From: Guenard, Mark (DOT) <mark.guenard@state.ma.us>
Sent: Tuesday, April 10, 2012 3:28 PM
To: Adams, Larry; Brennan, Tim (PVPC); Ciaramella, Pat (OCPC); DiZoglio, Dennis; Draisen, Mark (MAPC); Dunleavy, Linda (FRCOG); Eaton, Glenn; Karns, Nat (BRPC); London, Mark (MVC); Paul Niedzwiecki; Smith, Steve (SRPEDD); Vorce, Andrew; Woods, Beverly (NMCOG); Blunt, MaryEllen; Bourassa Eric ; Burns, Michael; Glenn Cannon; Gary Roux; Hadfield Jim ; Harris, Brad (MRPC); Kilmer, Charlie (OCPC); Komornick, Tony (MVPC); Kus Clete ; Priscilla Leclerc; McGahan, Ann; Mike Mauro; Mullaney, Maureen (FRCOG); Roscoe, Dana (PVPC); Rydant, Richard; Sarah Bradbury; spfalzer@ctps.org; Wolfe Pam; Blei, David (DOT); Cavicchi, Peter (DOT); Frieri, Peter (DOT); Frost, Arthur (DOT); Haznar, Pamela (DOT); Kinahan, Erin (DOT); Kochan, Timothy (DOT); Marquis, Pamela (DOT); Masse, Richard (DOT); Moore, Mark (DOT); Raphael, Connie (DOT); Scarbrough, Laurie (DOT); Simmons, Paula (DOT); Sullivan, Ann (DOT); Suszynski, Frank (DOT)
Cc: Mohler, David (DOT); Bench, Clinton (DOT); Codd, Ned (DOT); Anderson, David (DOT); Rose, Marie (DOT); Betts, William T (DOT); Maffeo, Michelle (DOT); MGuenard; Chong, Michael A.; Maloney, Paul; Britland, Ethan (DOT); Cenizal, Callida (DOT); Lehmann, Andrew (DOT); Pearson, Karen (DOT); Palmer, William (DOT); Broderick, Thomas F (DOT); Donald, Thomas (DOT)
Subject: Additional materials for the development of the FFY2013 - 2016 TIP/STIP, attached files
Attachments: GANS List 030812.pdf; FFY2013 - 2016 Statewide ITS Program.pdf

In addition to the materials sent to you all last Friday, April 6, 2012, there are a few other statewide project listings for your review and use where applicable.

Statewide Accelerated Bridge Program - GANS funded project listing -

Attached for your information and use is a revised version of the ABP GANS-funded bridge listing. This revised listing was prepared by ABP Group and supersedes any previously provided ABP GANS-funded bridge listing.

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 FFY2013-2016 TIP for now. These ABP GANS-funded projects will need to be reprogrammed as federal-aid funded projects once the we begin GANS payments.

This listing contains those bridge projects for which the Commonwealth will use the GANS funding method. As a result any ABP-GANS bridges should be programmed in **Part 2B Non-Federal Aid Bridge Projects** section of the TIP listing. Programmed cost should be the TFPC amount indicated on the ABP-GANS list and should be presented as Non Federal Aid fund for now. The projects will move to **Part 1B Federal aid Bridges** in the year the GANS conversion occurs. **YOU SHOULD ONLY BE PROGRAMMING THOSE PROJECTS WITH AN ADVERTISING DATE OCCURRING WITHIN FFY2013.** Other ABP-GANS projects have already been programmed in previous TIPs

This list then includes only two projects to be programmed in the FFY2013 - 2016 TIP:

1. #603690 CHATHAM- BRIDGE REPLACEMENT, C-07-001, BRIDGE STREET OVER THE MITCHELL RIVER
2. #604660 EVERETT- MEDFORD- BRIDGE REPLACEMENTS, REVERE BEACH PARKWAY (ROUTE 16), E-12-004=M-12-018 OVER THE MALDEN RIVER (WOODS MEMORIAL BRIDGE) & M-12-017 OVER MBTA AND RIVERS EDGE DRIVE

- FFY 2013-2016 Statewide Intelligent Systems program (ITS) -
 - Regions should only program the projects on the list where the host MPO can be identified in the Location/Description. Please use the first community name in the description field to determine the host MPO. For example #606432 BURLINGTON- WOBURN- READING- EXPANSION OF FIBER, CCTV, VMS & TRAFFIC SENSOR NETWORK ON I-95 would be programmed in the Boston Region regional TIP.
 - All Statewide program projects are to be programmed in SECTION 1D FEDERAL AID MAJOR AND STATE CATEGORY PROJECTS.
 - Finally, the cost of the project as presented on the attached list (TFPCC or YOE) is the TOTAL COST of the project for that year and is comprised of both federal and state-matching funds at a rate of 80%/20%. MPO staffs should present this funding information on our standardized TIP format spreadsheet which will calculate the federal/state amounts.

Mark L. Guenard, Manager of MPO Activities
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mark.guenard@state.ma.us

3/8/2012 ABP Projects Utilizing GANS Funds (Debt Service Projects)

Project ID	Project Description	Advertise	Total Federal Participating Cost	CAPE Status
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 I *	1/30/2010	\$63,503,564	CONTRACTED
603602	ASHLAND- BRIDGE REPLACEMENT, A-14-002, ROUTE 135 (UNION STREET) OVER THE SUDBURY RIVER	6/12/2010	\$3,911,137	CONTRACTED
604634	FITCHBURG- BRIDGE REPLACEMENT, F-04-053, ASHBY WEST ROAD OVER THE SCOTT RESERVOIR OUTLET	6/19/2010	\$1,286,830	COMPLETE
600776	WELLESLEY- BRIDGE REPLACEMENT, W-13-007, ROCKLAND STREET OVER CONRAIL	7/24/2010	\$2,843,746	CONTRACTED
604788	UXBRIDGE- BRIDGE REPLACEMENT, U-02-030, RIVER ROAD OVER THE IRONSTONE BROOK	7/24/2010	\$2,534,465	COMPLETE
606255	MEDFORD - BRIDGE REPLACEMENT ON I-93 CORRIDOR	9/11/2010	\$90,009,684	ABP PORTION COMPLETE
601796	WEST BROOKFIELD- BRIDGE REPLACEMENT, W-19-006, LONG HILL ROAD OVER CSX RR	9/18/2010	\$3,648,878	TERMINATED
603443	BOSTON- BRIDGE REPLACEMENT, B-16-167, RIVER STREET OVER MBTA	9/18/2010	\$10,133,607	CONTRACTED
603704	CHARLEMONT- BRIDGE REPLACEMENT, C-05-036, MOUNTAIN ROAD OVER HARTWELL BROOK	7/23/2011	\$1,411,807	CONTRACTED
603670	BOURNE- WAREHAM- BRIDGE REPLACEMENT, B-17-017=W-06-012, US ROUTE 6 & STATE ROUTE 28 (CRANBERRY HIGHWAY) OVER COHASSET NARROWS	8/13/2011	\$16,281,083	CONTRACTED
604729	SHREWSBURY- WORCESTER- BRIDGE REHABILITATION, S-14-001=W-44-018, STATE ROUTE 9 (BELMONT STREET) OVER LAKE QUINSIGAMOND (AKA - KENNETH F. BURNS BRIDGE)	12/2/2011	\$143,773,752	BID

024090	KINGSTON- BRIDGE REPLACEMENT, K-01-002, ELM STREET OVER THE JONES RIVER	9/17/2011	\$3,038,511	BID
603654	BOSTON- BRIDGE REPLACEMENT, B-16-163, MORTON STREET OVER THE MBTA & CSX RAILROAD	4/7/2012	\$10,574,787	P S & E CAPE
604382	QUINCY- WEYMOUTH- BRIDGE REPLACEMENT, Q-01-001=W-32-001, STATE ROUTE 3A (WASHINGTON STREET) OVER THE FORE RIVER	10/29/2011	\$326,163,125	25% CAPE - ADVERTISE PACKAGE
603892	DENNIS- BRIDGE REPLACEMENT, D-07-001, UPPER COUNTY ROAD OVER SWAN RIVER			BUNDLED INTO PROJECT 605291
605291	DENNIS- BRIDGE REPLACEMENT, D-07-006, MAIN STREET (SR 28) OVER WATER SWAN POND RIVER	5/5/2012	\$10,899,283	75% CAPE
604361	BOSTON- CAMBRIDGE- BRIDGE REHABILITATION, B-16-009=C-01-002, CAMBRIDGE STREET OVER THE CHARLES RIVER (MEMORIAL DRIVE & STORROW DRIVE) (AKA - LONGFELLOW BRIDGE)	2/4/2012	\$260,099,120	25% DESIGN CRA ESTIMATE w/ ADJUSTMENTS
605223	FALL RIVER- BRIDGE REHABILITATION, F-02-059, SR 79 (WESTERN EXPRESSWAY) INCLUDING ALL CONNECTING RAMPS	4/28/2012	\$93,802,735	NOTE: Partial GANS Funding & Reduced TFPCC
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	4/14/2012	\$283,675,000	25% DESIGN
603690	CHATHAM- BRIDGE REPLACEMENT, C-07-001, BRIDGE STREET OVER THE MITCHELL RIVER	5/11/2013	\$10,555,222	25% CAPE
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)	7/6/2013	\$46,853,664	25% CAPE?
605510	MEDFORD- BRIDGE RECONSTRUCTION, M-12-017, REVERE BEACH PARKWAY OVER MBTA AND CORPORATION WAY			BUNDLED INTO PROJECT 604660

Priscilla Leclerc

From: Guenard, Mark (DOT) <mark.guenard@state.ma.us>
Sent: Wednesday, May 02, 2012 3:35 PM
To: Blunt, MaryEllen; Bourassa Eric ; Burns, Michael; Glenn Cannon; Gary Roux; Hadfield Jim ; Harris, Brad (MRPC); Kilmer, Charlie (OCPC); Komornick, Tony (MVPC); Kus Clete ; Priscilla Leclerc; McGahan, Ann; Mike Mauro; Mullaney, Maureen (FRCOG); Roscoe, Dana (PVPC); Rydant, Richard; Sarah Bradbury; spfalzer@ctps.org; Wolfe Pam
Cc: Mohler, David (DOT); Bench, Clinton (DOT); Codd, Ned (DOT); Cenizal, Callida (DOT); Britland, Ethan (DOT); Lehmann, Andrew (DOT); Pearson, Karen (DOT); Palmer, William (DOT)
Subject: Revised Statewide CMAQ and Statewide Enhancements lists for use in the draft FFY2013 - 2016 regional TIP
Attachments: FFY2013 - 2016 Statewide CMAQ list April 30 2012.pdf; FFY2013 -2016 Statewide Enhancements project list April 30 2012.pdf

Attached for your review and use are revised listings for both the Statewide CMAQ program and Statewide Enhancements program. These two statewide lists supersede those which were provided in an email from me on April 6, 2012.

Please use these lists in the development of the FFY2013 -2016 draft regional TIP.

Mark L. Guenard, Manager of MPO Activities
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MassDOT Statewide TE FFY 2013 -2016

4/30/2012

Year	Region	Location	Proj Num.	District	Design Status	TFPCC	Inflation Adj.
2013	Pioneer Valley	AGAWAM- CONSTRUCTION OF BIKEWAY LOOP CONNECTING CONNECTICUT RIVERWALK WITH MAIN STREET	<u>603731</u>	2	100% Design	\$2,506,021.08	-
	Boston	BEVERLY- CONSTRUCTION OF A WALKWAY ON BEVERLY HARBORFRONT	<u>602514</u>	4	75% Design	\$570,665.00	-
	Boston	FRAMINGHAM- BIKE PATH CONSTRUCTION & IMPROVEMENTS ON COCHITUATE RAIL TRAIL, FROM SCHOOL STREET TO ROUTE 30	<u>606137</u>	3	25% Design	\$792,731.25	-
	Boston	SALEM- CAUSEWAY PARK CONSTRUCTION	<u>605121</u>	4	25% Design	\$1,441,650.00	-
	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	<u>605181</u>	4	75% Design	\$188,500.00	-
	Statewide	MassDOT Enhancements Incentive Program (\$2 gets you \$1)	NA	N/A	N/A	\$2,000,000.00	-
FFY2013 TOTAL						\$7,499,567.33	-
2014	Merrimack Valley	HAVERHILL- RIVERWALK CONSTRUCTION (BRADFORD SECTION) FROM ROUTE 125 TO COUNTY ROAD	<u>605720</u>	4	Approved	\$2,208,000.00	\$1,748,199.00
	Pioneer Valley	WEST SPRINGFIELD- CONNECTICUT RIVERWALK & BIKEWAY EXTENSION, FROM ELM STREET TO DOTY CIRCLE, INCLUDES PEDESTRIAN BRIDGE W-21-020	<u>603730</u>	2	100% Design	\$1,519,199.55	\$1,579,967.53
	Boston	ACTON- CARLISLE- WESTFORD- BRUCE FREEMAN RAIL TRAIL (PHASE II-A)	<u>604532</u>	3	25% Design	\$8,450,000.00	\$8,788,000.00
	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	<u>605181</u>	4	75% Design	\$366,667.00	\$366,667.00
FFY2014 TOTAL						\$12,543,866.55	\$12,482,833.53
2015	Merrimack Valley	NEWBURYPORT- CLIPPER CITY RAIL TRAIL ALONG THE CITY BRANCH (PHASE II)	<u>606503</u>	4	Approved	\$3,000,000.00	\$3,240,000.00
	NPEDC	NANTUCKET- CONSTRUCTION OF IN TOWN SHARED USE PATH (WASHINGTON STREET TO ORANGE STREET)	<u>606433</u>	5	Approved	\$1,000,000.00	\$1,080,000.00
	Berkshire	PITTSFIELD - ASHUWILLTICOOK RAIL TRAIL EXTENTION	<u>606891</u>	1	Initial	\$1,800,000.00	\$1,944,000.00
	Central MA	UXBRIDGE- SOUTHERN NEW ENGLAND TRUNK TRAIL CONSTRUCTION	<u>605215</u>	3	Approved	\$1,159,273.75	\$1,252,015.65
	Berkshire	NORTH ADAMS / WILLIAMSTOWN - MOHAWK BIKE TRAIL PROJECT	N/A	1	Initial	\$4,200,000.00	\$4,536,000.00
2015	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	<u>605181</u>	4	75% Design	\$366,667.00	\$366,667.00
FFY2015 TOTAL						\$11,525,940.75	\$12,418,682.65
2016	Merrimack Valley	BOXFORD- GEORGETOWN- NEWBURY- SALISBURY- MULTI-USE TRAIL EXTENSION (BORDERS TO BOSTON TRAIL) *Salisbury section	N/A	4	Approved	\$26,270,248.00	\$3,850,000.00
	Pioneer Valley	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION (CENTER DOWNTOWN SECTION), FROM COLUMBIA MFG SPUR TO COWLES COURT	<u>606107</u>	2	75% Design	\$6,281,630.65	\$7,035,426.33
	Pioneer Valley	CHICOPEE- CONNECTICUT RIVERWALK & BIKEWAY CONSTRUCTION, FROM THE SPRINGFIELD C.L. TO NASH FIELD	<u>606026</u>	2	25% Design	\$1,398,100.00	\$1,565,872.00
FFY2016 TOTAL						\$33,949,978.65	\$12,451,298.33

MassDOT Statewide CMAQ FFY 2013-16

4/30/2012

Year	Region	Location	Proj Num.	District	Design Status	TFPCC	Inflation Adj.
2013	Statewide	MASSRIDES -- TRAVEL OPTIONS PROGRAM	N/A	N/A	N/A	\$2,549,806.00	-
	Statewide	VANPOOLS	N/A	N/A	N/A	\$490,000.00	-
	Statewide	ALTERNATIVE FUEL VEHICLES	N/A	N/A	N/A	\$3,210,194.00	-
	Statewide	ADMINISTRATIVE CONSENT ORDER (ACO) PROJECTS	N/A	N/A	N/A	\$12,791,948.00	-
	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	605181	4	75% Design	\$17,700,000	-
					FFY2013 TOTAL	\$36,741,948.00	-
2014	Statewide	MASSRIDES -- TRAVEL OPTIONS PROGRAM	N/A	N/A	N/A	\$2,618,805.00	-
	Statewide	VANPOOLS	N/A	N/A	N/A	\$562,000.00	-
	Statewide	TRUCK STOP ELECTRIFICATION	N/A	N/A	N/A	\$500,000.00	-
	Statewide	ALTERNATIVE FUEL VEHICLES	N/A	N/A	N/A	\$3,141,195.00	-
	Boston	DUXBURY- INTERSECTION IMPROVEMENTS @ KINGSTOWN WAY (ROUTE 53) & WINTER STREET	603462	5	75% Design	\$1,097,698.00	\$1,141,605.92
	Pioneer Valley	NORTHAMPTON- TRANSIT SIGNAL PRIORITY SYSTEM INSTALLATION ON ROUTE 9	606513	2	100% Design	\$222,936.00	\$231,853.44
	Merrimack Valley	NORTH ANDOVER- TRAFFIC SIGNAL BETTERMENT @ 8 LOCATIONS ALONG ROUTE 125	605730	4	Final Design	\$1,005,943.75	\$1,046,181.50
	Merrimack Valley	SALISBURY- TRAFFIC SIGNAL BETTERMENTS AT 4 LOCATIONS	605735	4	Final Design	\$1,159,487.50	\$1,205,867.00
	Boston	WINCHESTER- SIGNAL & IMPROVEMENTS AT 4 LOCATIONS ON CHURCH STREET & ROUTE 3 (CAMBRIDGE STREET)	601019	4	100% Design	\$3,985,902.51	\$4,145,338.61
	Statewide	DISTRICT 5- TRAFFIC SIGNAL SYSTEMS UPGRADES & REPAIRS AT VARIOUS LOCATIONS (AREAS ABCD)	606697	5	100% Design	\$650,000.00	\$676,000.00
Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	605181	4	75% Design	\$17,700,000	-	
					FFY2014 TOTAL	\$32,643,967.76	\$8,446,846.47
2015	Statewide	MASSRIDES -- TRAVEL OPTIONS PROGRAM	N/A	N/A	N/A	\$2,689,512.00	-
	Statewide	VANPOOLS	N/A	N/A	N/A	\$500,000.00	-
	Statewide	DISTRICT 5- TRAFFIC SIGNAL CONTROLLER CABINET & MISCELLANEOUS MATERIALS PURCHASE & INSTALLATION	606055	5	Approved	\$1,430,000.00	\$1,544,400.00
	Statewide	DISTRICT 4- TRAFFIC SIGNAL CONTROLLER CABINET & MISCELLANEOUS MATERIALS PURCHASE & INSTALLATION	606054	4	75% Design	\$1,238,085.00	\$1,337,131.80
	Merrimack Valley	METHUEN- INTERCHANGE RECONSTRUCTION ON I-93 AT ROUTE 110/113 ROTARY, INCLUDING REMOVAL OF M-17-017 & M-17-018, REHAB OF M-17-007 & NEW BRIDGE CONSTRUCTION OF M-17-040	605181	4	75% Design	\$17,700,000	-
					FFY2015 TOTAL	\$23,557,597.00	\$2,881,531.80
2016	Statewide	MASSRIDES -- TRAVEL OPTIONS PROGRAM	N/A	N/A	N/A	\$2,762,128.00	-
	Statewide	DISTRICT 6- SCHEDULED & EMERGENCY TRAFFIC SIGNAL REPAIRS AT VARIOUS LOCATIONS	606107	6	Approved	\$500,250.00	\$560,280.00
	Statewide	DISTRICT 4- TRAFFIC SIGNAL REPLACEMENT & FIBER-OPTIC LED CONVERSION AT VARIOUS LOCATIONS	606026	4	Approved	\$1,500,000.00	\$1,680,000.00
	Pioneer Valley	CHICOPEE- SIGNAL & INTERSECTION IMPROVEMENTS AT MEMORIAL DRIVE (ROUTE 33) & BROADWAY	604435	2	25% Design	\$1,378,995.60	\$1,544,475.07
	Pioneer Valley	HOLYOKE- TRAFFIC SIGNAL UPGRADES AT 15 INTERSECTIONS ALONG HIGH & MAPLE STREETS	606450	2	Approved	\$1,504,680.00	\$1,685,241.60
	Boston	WAYLAND- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND ROUTE 30 (COMMONWEALTH ROAD)	601579	3	25% Design	\$1,833,903.60	\$2,053,972.03
	Boston	STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET	602165	4	25% Design	\$3,142,660.00	\$3,519,779.20
	SE Mass	TAUNTON- INTERSECTION IMPROVEMENTS @ ROUTE 140 (COUNTY STREET) & HART STREET	605679	5	25% Design	\$1,680,680.00	\$1,882,361.60
	Pioneer Valley	SOUTHWICK- INTERSECTION IMPROVEMENTS AT FOUR LOCATIONS ON ROUTE 57 (FEEDING HILLS ROAD)	603477	2	Approved	\$2,160,000.00	\$2,419,200.00
	Pioneer Valley	NORTHAMPTON- INTERSECTION IMPROVEMENTS AT PLEASANT STREET (STATE ROUTE 5) AND CONZ STREET	605066	2	Approved	\$812,500.00	\$910,000.00
	Boston	HOLLISTON- SIGNAL INSTALLATION AT ROUTE 16/126 AND OAK STREET	602462	3	25% Design	\$1,000,000.00	\$1,120,000.00
	Central MA	WORCESTER- SIGNAL & INTERSECTION IMPROVEMENTS @ HOLDEN STREET, DRUMMOND AVENUE & SHORE DRIVE	603251	3	Approved	\$1,050,001.50	\$1,176,001.68
	SE Mass	TAUNTON- INTERSECTION IMPROVEMENTS AT THE HON. GORDON M. OWEN RIVERWAY & WILLIAMS STREET	605367	5	Approved	\$1,500,000.00	\$1,680,000.00
					FFY2016 TOTAL	\$20,825,798.70	\$20,231,311.18

CAPE COD COMMISSION

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