

Cape Cod Transportation Improvement Program Federal Fiscal Year 2017 – 2021

Endorsed: August 1, 2016

Amended: February 27, 2017 (Amendment 1)

Amended: May 22, 2017 (Amendment 2)

Amended: August 21, 2017 (Amendment 3)





Cape Cod Transportation Improvement Program for FFY 2017-2021

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

Title VI Notice of Nondiscrimination

The Cape Cod MPO complies with Title VI of the Civil Rights Act of 1964 and related federal and state statutes and regulations. It is the policy of the Cape Cod MPO to ensure that no person or group of persons shall on the grounds of Title VI protected categories, including race, color, national origin, or under additional federal and state protected categories including sex, age, disability, sexual orientation, gender identity or expression, religion, creed, ancestry, veteran's status (including Vietnam-era veterans), or background, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity administered by the Cape Cod MPO. To request additional information about this commitment, or to file a complaint under Title VI or a related nondiscrimination provision, please contact the MPO's Title VI Coordinator by phone at (508)362-3828, TTY at 508-362-5885, fax (508) 362-3136 or by e-mail at mhevenor@capecodcommission.org.

If this information is needed in another language, please contact the MPO's Title VI Coordinator by phone at (508)362-3828.

Caso estas informações sejam necessárias em outro idioma, por favor, contate o Coordenador de Título VI da MPO pelo telefone 508-744-1299.

The public discussion of the Transportation Improvement Plan (TIP) at CCJTC, MPO, and transportation meetings satisfies the Program of Projects (POP) public hearing requirements of the Federal Transit Administration (FTA).

Cape Cod Transportation Improvement Program (TIP) prepared by the

Cape Cod Metropolitan Planning Organization (MPO) Members:

- Stephanie Pollack, Secretary and Chief Executive Officer, Massachusetts Department of Transportation (MassDOT)
- Thomas J. Tinlin, Administrator, MassDOT Highway Division
- Tom Guerino, Chair, Cape Cod Regional Transit Authority
- Harold Mitchell, Cape Cod Commission
- Jessica Rapp Grassetti, President, Barnstable Town Council
- Leo Cakounes, Barnstable County Commissioners
- R. Patrick Ellis, Mashpee Selectman, for Bourne, Falmouth, Mashpee, and Sandwich
- Sheryl A. McMahon, Dennis Selectman, for Dennis and Yarmouth
- Sims McGrath, Orleans Selectman, for Brewster, Chatham, Harwich, and Orleans
- Robert Weinstein, Truro Selectman, for Eastham, Provincetown, Truro, and Wellfleet
- Cedric Cromwell, Chairman, Mashpee Wampanoag Tribal Council

MPO Ex-Officio Members:

- Roger Parsons, Chairman, Cape Cod Joint Transportation Committee
- George Price, National Park Service/Cape Cod National Seashore
- Lawrence T. Davis, US Army Corps of Engineers/Cape Cod Canal
- Wayne Lamson, Woods Hole, Martha's Vineyard, and Nantucket Steamship Authority
- Jeffrey McEwan, Federal Highway Administration
- Mary Beth Mello, Federal Transit Administration

and the

Cape Cod Joint Transportation Committee

- Roger Parsons, Chairman, Barnstable
- Catherine Laurent, Vice-Chairman, Mashpee

Cape Cod Commission TIP Staff Contact:

• Glenn Cannon, P.E., Technical Services Director, 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 2017 -2021 in fulfillment of the requirements of 23 CFR Part 450.324.

CERTIFICATION:

The Cape Cod Metropolitan Planning Organization (MPO) Planning Process

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

- 1. Section 134 Title 23, U.S.C., and Title 49 U.S.C. 5303, and this subpart;
- 2. Sections 174 and 176(c) & (d) of the Clean Air Act, as amended {42 U.S.C. 7504, 7506 (c) & (d)} and 40 CFR part 93;
- 3. Title VI of the Civil Rights Act of 1964, as amended {42 U.S.C. 2000d-1} and 49 CFR part 21:
- 4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- 5. Section 1101 (b) of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises (DBE) in USDOT funded projects;
- 6. Title 23 CRF part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- 7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR Parts 27, 37, and 38.
- 8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- 9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- 10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.
- 11. Anti-lobbying restrictions found in 49 USC Part 20. No appropriated funds may be expended by a recipient to influence or attempt to influence an officer or employee of any agency, a Member of Congress, in connection with the awarding of any Federal contract.

The currently endorsed Unified Planning Work Program, Regional Transportation Plan, and the Cape Cod Transportation Improvement Program (TIP) 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 Metropolitan Planning Organization (MPO)

Cape Cod Transportation Improvement Program (TIP)

The signatures to follow certify that the Cape Cod Metropolitan Planning Organization (MPO), at their meeting on August 1, 2016, hereby approves the following action in accordance with the Comprehensive, Cooperative and Continuing transportation planning process. In accordance with the requirements of 23 CFR Part 450 Section 308(c) of Federal Regulations, the MPO for Cape Cod has completed its review and hereby endorses the Cape Cod Transportation Improvement Program for Federal Fiscal Year 2017 through 2021.

Jarl Mahl for	AM M
Stephanie Pollack, Secretary/Chief Executive	e //homas Tinlin, Administrator
Officer – Massachusetts Department of	Massachusetts Department of Transportation
Transportation (MassDOT)	(MassDOT) Highway Division
Harold Mitchell	Jul N. Gilbruth (alternate)
Cape Cod Commission	Cape Cod Regional Transit Authority
Leo Cakounes Barnstable County Commissioners	Jessica Rapp Grassetti, President Barnstable Town Council
R. Patrick Ellis	Sheryl A. McMahon
Bourne, Falmouth, Mashpee, Sandwich	Dennis, Yarmouth
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Sims McGrath /	Cedric Cromwell, Chairman
Brewster, Chatham, Harwich, Orleans	Mashpee Wampanoag Tribal Council

Mashpee Wampanoag Tribal Council

Eastham, Provincetown, Truro, Wellfleet

Executive Summary

The Cape Cod Metropolitan Planning Organization's (MPO) transportation capital plan, the Transportation Improvement Program (TIP), lists major transportation projects planned in the next five years.

The MPO is made up of eleven voting members with representatives of state agencies, regional organizations, and Cape Cod towns. Discussions at MPO meetings help to establish a preference for which projects are funded through the TIP. Members of the public are welcome and encouraged to attend these meetings and voice opinions.

Contents of the Plan

The TIP includes a discussion of the transportation planning process, a discussion of the TIP development process, a table of available TIP funding, descriptions of TIP projects selected for funding, and a series of tables detailing TIP project funding allocations. The TIP also includes appendices that detail project evaluation including equity analyses, air quality conformity, projects in need of funding, the status of previous TIP projects, and public comments. Project selected for funding are presented on the following page.

How to Get Involved

The Cape Cod MPO endorsed the TIP at their August 1, 2016 public meeting. The MPO voted to release "Draft Amendment 3" to the TIP for a 21-day public review/ comment period at their meeting on July 17, 2017, officially beginning the 21-day public comment period. The MPO is expected to consider endorsement of the TIP at their 1:00 PM meeting on August 21, 2017. All MPO meetings are held at the Cape Cod Commission Office at 3325 Main Street (Route 6A) Barnstable, MA 02630. Transit service is available on the Cape Cod Regional Transit Authority's Barnstable Villager Route (the Barnstable Village-Courthouse stop).

Comments on this plan may be sent by August 7, 2017 via mail, hand delivered, by facsimile, or via e-mail, as follows:

Mailed or dropped off:

Cape Cod Commission Transportation Program

Glenn Cannon, Technical Services Director

3225 Main Street (Route 6A)

PO Box 226

Barnstable MA 02630-0226

Sent by facsimile to the attention of Glenn Cannon, Technical Services Director, CCC:

FAX: 508-362-3136

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

2017-2021 Projects

The following projects are included in the Cape Cod Transportation Improvement Program for Federal Fiscal Year 2017-2021, as Amended:

- Dennis, Route 28 Corridor & Streetscape Improvements (2017)
- Bourne, Route 6 & 28 Bypass Road Resurfacing and Related Work (2017)
- Harwich, Improvements at Route 124 Park and Ride (2017)
- Cape Cod, Bicycle Rack Program (2017-2021)
- Harwich-Brewster-Orleans Route 6 Resurfacing (2017)
- Hyannis Loop Demonstration Project (2017-2018)
- Barnstable, Route 28 at Osterville-West Barnstable Road (2018)
- Chatham, Route 28 George Ryder Road to Barn Hill Road (2018)
- Yarmouth-Barnstable, Cape Cod Rail Trail Extension (2018)
- Falmouth, Route 28A at Route 151 (2019)
- Barnstable, Route 28 at Yarmouth Road (2019)
- Eastham, Doane Road pavement overlay (2019)
- Wellfleet, Route 6 at Main Street (2020)
- Bourne-Falmouth, Route 28 Guide and Traffic Sign Replacements (2019)
- Mashpee, Route 151 (2020-2021)
- Bourne, Belmont Circle Multi-modal Improvements (2020)
- Orleans, Route 28 Stormwater Improvements (2020)
- Chatham, Route 28 at Main Street, Depot Road, Queen Anne Road and Crowell Road (2021)
- Harwich, Bridge Replacement Azalea Drive over Herring River (2021)
- Sandwich, Shared-Use Path on Service Road from Route 130 to Chase Road (2021)
- Various transit projects to allow the Cape Cod Regional Transit Authority (CCRTA) to operate their year-round and seasonal fixed-route services, operate their demand response services, and maintain the vehicles and other infrastructure. (2017-2021)

In total, the FFY2017-21 TIP includes over \$135 million in funded projects.

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Chapter 1: Transportation Planning Process

Decisions about how to spend transportation funds in a metropolitan area are guided by information and ideas from a broad group of people, including elected officials, municipal planners and engineers, transportation advocates, other advocates, and other interested persons. Metropolitan Planning Organizations (MPOs) are the bodies responsible for providing a forum for this decision-making process.

Each metropolitan area in the United States with a population of 50,000 or more has an MPO, which decides how to spend federal transportation funds for capital projects and planning studies. In order to be eligible for federal funds, metropolitan areas are required to maintain a continuing, cooperative, and comprehensive (3C) transportation planning process that results in plans and programs consistent with the planning objectives of the metropolitan area. The 3C transportation-planning process on Cape Cod is the responsibility of the Cape Cod MPO.

Cape Cod Metropolitan Planning Organization (MPO)

The Cape Cod Metropolitan Planning Organization (MPO) is the regional governing body established by federal law to oversee regional transportation planning and recommend the distribution of transportation funds on Cape Cod (Barnstable County). The MPO is made up of eleven voting members as presented in Table 1. Town representation on the body is depicted in Figure 1.

Table 1. Cape Cod MPO Membership

AGENCY	MPO SIGNATORY
Massachusetts Department of Transportation	Secretary of Transportation
(MassDOT)	
MassDOT Highway Division	Administrator
Cape Cod Regional Transit Authority (CCRTA)	Chairman
Cape Cod Commission (CCC)	Chairman
Barnstable County Commissioners	Commissioner
Mashpee Wampanoag Tribe	Tribal Chairman
Town of Barnstable	Town Council President
Sub-region A (Bourne, Falmouth, Mashpee,	Selectman
Sandwich)	
Sub-region B (Dennis, Yarmouth)	Selectman
Sub-region C (Brewster, Chatham, Harwich,	Selectman
Orleans)	
Sub-region D (Eastham, Provincetown, Truro,	Selectman
Wellfleet)	

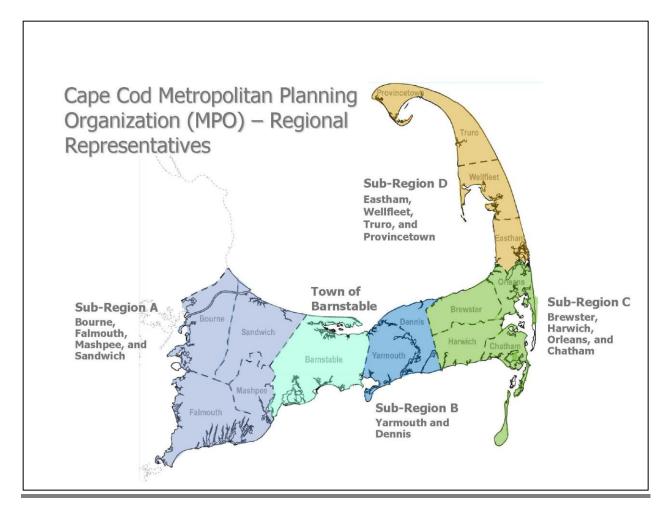


Figure 1. Map of Cape Cod Metropolitan Planning Organization Sub-regions

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

Cape Cod Joint Transportation Committee (CCJTC)

The Cape Cod Joint Transportation Committee (CCJTC) is the advisory group to the Cape Cod MPO. The CCJTC was formed more than 40 years ago with the first meeting being held in 1973. Membership on the CCJTC consists of one appointee from each town, selected by the town's highest elected officials, as well as a Bicycle Representative designated by the CCJTC. Town appointees are generally department of public work directors, town engineers, or town planners; individuals familiar with their town's transportation needs. Individuals representing MassDOT, the CCRTA, and the CCC also generally attend and participate in CCJTC meetings.

Federal Certification Documents

The MPO is required to endorse other federal certification documents including the Regional Transportation Plan (RTP), the Transportation Improvement Program (TIP), the Unified Planning Work Program (UPWP), and the Public Participation Plan (PPP).

The RTP establishes a regional vision for the transportation system; the UPWP studies investigate deficiencies in that system and identify potential solutions, and the TIP details specific transportation projects that are implemented to improve the transportation system. The PPP provides a framework to ensure public involvement and cooperative decision making throughout the transportation planning process. A summary of the primary function, time horizon, and update timeline is presented in Table 2. The table also includes links to the Cape Cod MPO webpages that contain more detailed information on each of the documents.

Table 2. Federal Certification Documents

DOCUMENT	PRIMARY FUNCTION	TIME HORIZON	UPDATE TIMELINE
Regional Transportation Plan (RTP) ¹	Establishes long-range vision and goals, identifies major projects, studies, and programs	20+ years	Every 4 years
<u>Transportation</u> <u>Improvement Program</u> <u>(TIP)²</u>	Identifies specific transportation investments (projects)	5 years	Annually
Unified Planning Work Program (UPWP) ³	Details planning studies and tasks	1 year	Annually
Public Participation Plan (PPP) ⁴	Establishes plan for public participation decision-making	Ongoing	Every 5 years or more frequently as needed

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¹ The Regional Transportation Plan (RTP) is available at www.capecodcommission.org/rtp

² The Transportation Improvement Program (TIP) is available at www.capecodcommission.org/tip

The Unified Planning Work Program (UPWP) is available at www.capecodcommission.org/upwp

⁴ The Public Participation Plan (PPP) is available at www.capecodcommission.org/ppp

Transportation Legislation

Federal legislation that contains requirements for transportation plans, programs and projects includes the current legislation: Fixing America's Surface Transportation (FAST) Act and the outgoing legislation: Moving Ahead for Progress in the 21st Century (MAP-21) as well as the Clean Air Act Amendments of 1990 (CAAA).

Fixing America's Surface Transportation (FAST) Act

On December 4, 2015, President Obama signed the Fixing America's Surface Transportation (FAST) Act (Pub. L. No. 114-94) into law—the first federal law in over a decade to provide long-term funding certainty for surface transportation infrastructure planning and investment. The FAST Act authorizes \$305 billion over fiscal years 2016 through 2020 for highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology, and statistics programs.

Building on outgoing legislation (MAP-21), the FAST Act maintains a focus on safety, keeps intact the established structure of the various highway-related programs, continues efforts to streamline project delivery and, for the first time, provides a dedicated source of federal dollars for freight projects. As required under this legislation, the planning process used in the development of this plan includes consideration of projects that:

- (A) support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
- (B) increase the safety of the transportation system for motorized and nonmotorized users;
- (C) increase the security of the transportation system for motorized and nonmotorized users:
- (D) increase the accessibility and mobility of people and for freight;
- (E) protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
- (F) enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
- (G) promote efficient system management and operation;
- (H) emphasize the preservation of the existing transportation system;
- (I) improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and
- (J) enhance travel and tourism.

Title VI/Nondiscrimination

The Cape Cod MPO follows federal and state non-discrimination laws and seeks to ensure that all interested parties in Barnstable County have access to the MPO's activities and services and that public involvement in the MPO's decision making comes from a diverse socioeconomic group that is representative of the county's population. The MPO has developed a nondiscrimination program, in accordance with federal and state requirements, to encourage broad public participation, representation, and equity in the region's transportation planning.

Title VI of the Civil Rights Act of 1964 prohibits discrimination based on race, color, or national origin. Organizations that receive Federal funds are obligated to assure nondiscrimination in their programs and activities and are required to have a comprehensive Title VI enforcement program to prevent and eliminate discrimination in their federally funded programs. Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) set forth Title VI compliance requirements for "primary" funding recipients such as MassDOT and sub-recipients such as the MPOs to follow. Effective transportation decision making depends upon understanding and properly addressing the needs of different socioeconomic groups. The MPO's Title VI program includes identifying the demographic distribution of minority and limited English proficiency populations within the region and implementing a comprehensive strategy to ensure that the MPO conducts effective outreach to encourage their involvement in and access to the transportation planning and decision-making process.

The Massachusetts Department of Transportation (MassDOT) is responsible for ensuring that the state's MPOs comply with federal program requirements. Following MassDOT's 2013 Title VI program update, the Cape Cod MPO developed and adopted a Title VI Program in 2014. The Title VI plan provides information about beneficiaries' rights, how to file a complaint, regional demographic data, maps, a public participation plan, a language access plan, and analyses of transportation spending in the region, project locations and potential impacts from projects to ensure equity in the planning and implementation process for the region.

Although Title VI is the focal point of non-discrimination law in the United States, FHWA incorporates a broader spectrum of statutes, executive orders, and regulations into its requirements for states and MPOs. For example, Section 324 of the Federal-Aid Highway Act of 1973 prohibits discrimination based on sex; Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of disability status, as does the Americans with Disabilities Act of 1990; and the Age Discrimination Act of 1975 prohibits age discrimination. In addition, the Civil Rights Restoration Act of 1987 (FHWA Notice 4720.6) clarified the original intent of Congress with respect to Title VI by restoring the broad, institution-wide scope and coverage of the nondiscrimination

statutes to include all programs and activities of federal-aid recipients and enforcing the application of the laws that include nondiscrimination on the basis of race, color, national origin, age, gender, or disability.

Other Federal and State Legislative Requirements and Policies

In addition to federal transportation legislation, the transportation planning process must comply with the Americans with Disabilities Act (ADA); the Clean Air Act; Title VI of the Civil Rights Act of 1964; Executive Order 12898; Executive Order 13330; the Global Warming Solutions Act; and MassDOT and GreenDOT Policies.

Chapter 2: TIP Development Process

The Cape Cod Transportation Improvement Program (TIP) is a listing of federal aid eligible transportation projects for Cape Cod prepared under the direction of the Cape Cod Metropolitan Planning Organization (MPO). The plan 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) with input from the public and in cooperation with multiple state and federal agencies.

The TIP is developed based on a vision defined in the Cape Cod Regional Transportation Plan (RTP) and includes the transportation projects proposed for implementation in the next five years. Each year of the TIP must be financially constrained; anticipated project costs cannot exceed available funding. The TIP must conform with a host of federal and state requirements and polices including air quality and equity programs.

The inclusion of a project in the TIP is one step on the path towards construction. 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.

Development Schedule

The Cape Cod MPO process follows an annual schedule for development of the Transportation Improvement Program (TIP) to be compatible with the development schedule of the State Transportation Improvement Program (STIP), as is required under 23 CFR 450.324. The STIP includes projects lists in the Cape Cod TIP, projects listed in the TIP from other planning regions, and projects that span multiple planning regions. The Cape Cod TIP is generally endorsed by the Cape Cod MPO each June or July with the STIP being submitted for federal approvals prior to the beginning of the Federal Fiscal Year on October 1.

Adjustment and Amendment Procedures

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.

Analyses included in the Appendices are based on project information available at the time of endorsement of the document and do not reflect changes made in subsequent amendments and/or adjustments unless it is determined that the changes would substantially change the conclusion of these analyses. If such a determination is made, it will be clearly documented.

Administrative Adjustment Process

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

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

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

Amendment Process

In order for implementation of projects to proceed in the current year, a previously unlisted project may be amended into the TIP. An action to add a new project or remove an existing 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.

Public Participation Process

the scoring of potential projects and development of a potential program of projects occurs in the winter and spring. Meetings related to the development of the TIP for discussion and/or endorsement in Table 3.

Table 3. Transportation Improvement Program Development Meetings

DATE	MEETING TYPE	LOCATION
March 11, 2016	CCJTC	CCC Office
March 21, 2016	Cape Cod MPO	CCC Office
April 8, 2016	CCJTC	CCC Office
April 25, 2016	Cape Cod MPO	CCC Office
May 13, 2016	CCJTC	CCC Office
May 23, 2016	Cape Cod MPO	CCC Office
June 10, 2016	CCJTC	CCC Office
June 27, 2016	Cape Cod MPO	CCC Office
July 8, 2016	CCJTC	CCC Office
August 1, 2016	Cape Cod MPO	CCC Office

In addition to discussion at CCJTC and Cape MPO public meetings, CCC staff makes efforts to reach out directly to members of the public interested in development of the TIP. Prior to the release of the draft TIP, public outreach events were held across the region including collecting comments at Bay State Bike Week events in the towns of Bourne, Barnstable, Dennis, and Orleans. Staff also made a presentation and collected comments at a Sunday service at the largest Portuguese church on Cape Cod. CCC staff received additional comments at an outreach table set up at the Hyannis Transportation Center on July 18, 2016.

CCC staff maintains an electronic mailing list of persons interested in transportation issues in the region. Notice of the public meetings where discussion of draft TIP documents is to occur is emailed at least seven days in advance. Upon approval by the MPO, a public draft of the TIP is made available for public comment for a period of at least 30 days. Public comments may be made in person or via email, telephone, fax, or regular mail.

Chapter 3: TIP Funding

This TIP was developed during a transition between two Federal transportation-funding bills. Most funding categories in this TIP are through federal sources: Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) as provided by federal legislation. The current legislation is Fixing America's Surface Transportation (FAST) Act. The outgoing federal transportation legislation is the Moving Ahead for Progress in the 21st Century (MAP-21). Table 4 and Table 5 provide brief descriptions of the funding programs used for transportation improvement projects on Cape Cod.

Table 4. Federal Highway Funding Administration Programs

PROGRAM	ELIGIBLE USES
Congestion Mitigation and Air Quality Improvement (CMAQ)	A wide range of projects in air quality nonattainment and maintenance areas for ozone, carbon monoxide, and small particulate matter, which reduce transportation-related emissions.
Highway Safety Improvement Program (HSIP)	Implementation of infrastructure-related highway safety improvements
National Highway Performance Program (NHPP)	Improvements to interstate routes, major urban and rural arterials, connectors to major intermodal facilities, and the national defense network. Also includes replacing or rehabilitating any public bridge, and resurfacing, restoring, and rehabilitating routes on the Interstate Highway System.
Surface Transportation Block Grant (STBG) [Surface Transportation Program (STP) under MAP- 21]	A broad range of surface transportation capital needs, including roads; transit, sea, and airport access; and vanpool, bicycle, and pedestrian facilities.
Transportation Alternatives (TA) [Transportation Alternatives Program (TAP) under MAP-21]	Construction of infrastructure-related projects (for example, sidewalk, crossing, and on-road bicycle facility improvements).
Bridge Replacement and Rehabilitation Program (BR)	Replacement or repair of bridges on or off the federal aid system.
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.

Table 5. Federal Transit Funding Administration Programs

PROGRAM	ELIGIBLE USES
Bus and Bus Facilities (FTA 5309)	This category is discretionary funds for capital expenditures such as buses and terminal facilities; projects need federally earmarked 5309 funds to proceed.
Urbanized Area Formula Grant Program (FTA 5307)	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.
Elderly Persons and Persons with Disabilities Formula Program (FTA 5310)	This program funds public transit projects in rural areas.
Rural Area Formula Program (FTA 5311)	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.
State Contract Assistance (SCA)	These funds are provided through the Commonwealth Transportation Fund (CTF) and the Massachusetts Transportation Trust Fund (MTTF) and are used as matching funds to make federal programs.

For federal fiscal years 2017-2021 the anticipated available funding from the Federal Highway Administration with the state match is presented in Table 8.

Table 6. Summary of Available Federal Highway Administration Funding with State Match

YEAR	STP	HSIP	CMAQ	TAP	TOTAL
2017	\$7,433,200	\$458,514	\$1,432,857	\$193,036	\$9,517,607
2018	\$8,069,313	\$458,514	\$1,146,285	\$210,307	\$9,884,419
2019	\$8,086,584	\$458,514	\$1,146,285	\$193,036	\$9,884,419
2020	\$8,271,336	\$458,514	\$1,146,285	\$242,367	\$10,118,502
2021	\$8,193,978	\$458,514	\$1,146,285	\$319,725	\$10,118,502
2017-2021 Total	\$40,054411	\$2,292,570	\$6,017,997	\$1,158,471	\$49,523,449

For federal fiscal years 2017-2021 the anticipated available funding from the Federal Transit Administration with the state match is presented in Table 8.

Table 7. Summary of Available Federal Transit Administration Funding with State Match

YEAR	Federal (5339/5307)	State Match (RTACAP/SCA)	TOTAL
2017	\$9,897,688	\$3,249,638	\$13,147,326
2018	\$8,552,254	\$2,588,065	\$11,140,319
2019	\$8,679,314	\$2,619,827	\$11,299,141
2020	\$9,203,611	\$2,750,902	\$11,954,513
2021	\$8,891,477	\$3,822,869	\$12,714,346
2017-2021 Total	\$45,224,344	\$15,031,301	\$60,255,645

Chapter 4: TIP Project Map and Descriptions

Map of Funded Highway Projects

Figure 2 shows the location and extent of highway projects funded in this Transportation Improvement Program (TIP). An interactive map of these projects is available on the Cape Cod TIP website at www.capecodcommission.org/tip.

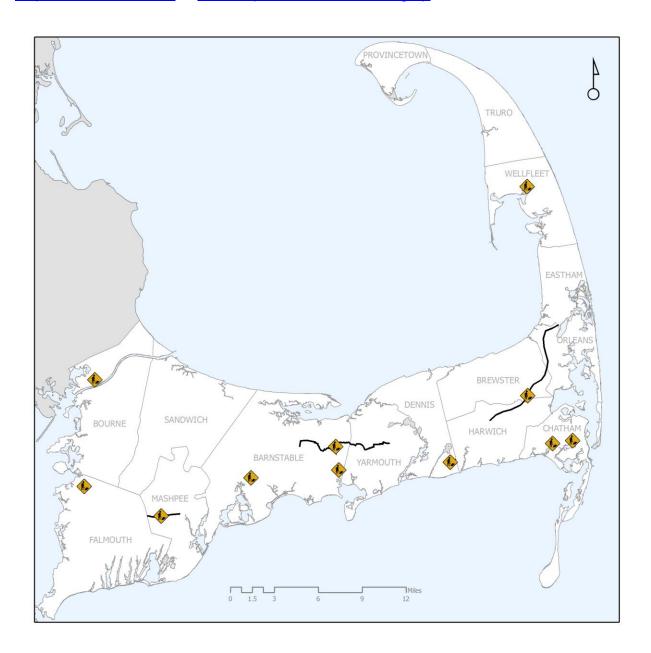


Figure 2. Map of Funded Highway Projects

Description of Funded Highway Projects

The following descriptions for highway projects were prepared by MassDOT and are subject to change as the projects are further developed.

Dennis, Rte 28 Corridor & Streetscape Improvements (#606707)

This project is intended to improve multi-modal accommodation through the reconstruction of sidewalks to ADA specification, providing wider, bicycle accommodating shoulders and streetscape elements including new plantings and street lighting.

Bourne, Route 6 & 28 Bypass Road Resurfacing and Related Work (#608544)

This project is in preliminary design.

Harwich, Improvements at Route 124 Park and Ride (#608102)

This project is in preliminary design. Improvements will include a new bus shelter.

Cape Cod, Bicycle Rack Program (#245317)

The primary objective of the program is to provide local governments with an economical and convenient source of bicycle parking equipment. A further objective is to provide a selection of racks with variety in capacity, appearance, and design. The program consists of providing full reimbursement for the purchase price of bicycle racks for all fifteen communities in the Cape COD MPO region (Barnstable County).

Barnstable, Rte 28 at Osterville-West Barnstable Rd (#607435)

This project proposes to address vehicular safety by upgrading traffic signals to include exclusive left turn lanes at the Route 28 approaches in addition to emergency vehicle pre-emption. There is also a need to improve bicycle and pedestrian accommodation at the intersection in addition to updating pavement markings and signage.

Chatham, Rte 28 - George Ryder Rd to Barn Hill Rd (#606596)

The purpose of this project is to construct safety and multimodal improvements along a 1700 foot linear segment of West Main Street (Route 28) between George Ryder Road and Barn Hill Road. The intent of the project is to provide improved safety and accessibility for bicyclists, pedestrians and motorists traveling through this corridor.

Yarmouth-Barnstable, Cape Cod Rail Trail Extension (#607398)

This project is intended to provide an extension of the Cape Cod Rail Trail multi-use path connecting the communities of Barnstable and Yarmouth.

Falmouth, Rte 28A at Rte 151 (#607444)

This project is intended to address the following needs: upgrading of traffic signals; geometric work in the form of minor widening; providing multi-modal accommodation.

Har-Brew-Orl, Route 6 Resurfacing (#608201)

Work on this project includes roadway resurfacing (mill and overlay) of the existing roadway from the east of the Route 124 interchange in Harwich to the west of the Orleans Rotary.

Barnstable, Rte 28 at Yarmouth Rd (#606272)

This project involves improving safety and congestion for all users at the intersection of Iyanough Road (Route 28) and Yarmouth Road. Additional approach turn lanes are required at the intersection to alleviate congestion and improve corridor/intersection level of service. Traffic signal upgrades are also planned, in addition to new pavement markings and signage. Sidewalks will be reconstructed to ADA standards where necessary.

Eastham, Doane Road pavement overlay (#CC1001)

This project is in preliminary design.

Wellfleet, Rte 6 at Main St (#607397)

This project proposes to address traffic safety, multi-modal accommodation and the need for updated pavement markings. Upgrading of the traffic signals to include ped activation is proposed, in addition to the construction of sidewalks and extensions at the intersection. Pavement markings are also proposed to be updated at the intersection crossings.

Mashpee, Rte 151 (#607319)

Work on this project will consist of corridor improvements on Route 151. Work will include intersection improvements, channelization, and potential exclusive left turn lanes at key driveways. In addition, traffic signals upgrading is required at key intersections such as Frank Ellis Drive/Job Fishing Rd. and Old Barnstable Rd. The project will address the lack of continuous 'complete streets' (bicycle and pedestrian accommodation) along the corridor, particularly at 2 key intersections: Frank Ellis Drive/Job Fishing Rd. and Old Barnstable Rd. Also, there is a need to update the crosswalks and pedestrian actuation equipment at the intersections to ADA compliance. Finally, signage, pavement markings and drainage need upgrading.

Bourne, Belmont Circle Multi-modal Improvements (# 606900)

This project is intended to address safety and congestion issues at Belmont Circle. Proposed improvements being considered include: reconstruction, minor widening, reconfiguration of travel/turn lanes, signalization of nodes, and improved signage and pavement markings.

Chatham, Rte 28 at Main St, Depot Rd, Queen Anne Rd and Crowell Rd (#607405)

This project is intended to address the need for geometric, safety and multimodal improvements at the intersection. Proposed improvements include realignment of approach travel lanes and traffic islands at the intersection. The existing traffic signals also need upgrading to include pedestrian activation. There is also a lack of sidewalks on the South side of the intersection in addition to bike accommodating shoulders. Existing signage and pavement markings need upgrading. New sidewalk extensions and provision of upgraded pavement markings including ADA compliant crosswalks and ramps will serve to improve multimodal accommodation.

Sandwich, Shared Use Path on Service Rd (Rte 130 to Chase Rd)

In 2013, National Grid (NGRID, an international electricity and gas company, approached the Town of Sandwich with a request to construct and maintain a 20" gas main in the roadside area between the Service Road pavement and the Mid-Cape Highway right-of-way. The Town of Sandwich, as part of the local permit process, mandated that a variety of public betterments be included in the project. One such betterment requires National Grid to include tree removal and rough grading along the proposed gas line alignment that would serve as a base for constructing this first phase of a multi-phase shared-use path project from Route 130 to Chase Road.

Bourne-Falmouth, Rte 28 Guide and Traffic Sign Replacements (# 608571)

This project is in preliminary design.

Orleans, Rte 28 Stormwater Improvements (# 608598)

This project is in preliminary design.

Harwich, Bridge Replacement - Azalea Dr over Herring River (#608617)

This project is in preliminary design.

Description of Funded Transit Projects

Transit projects funded in the TIP allow the Cape Cod Regional Transit Authority (CCRTA) to operate and maintain the fleet of vehicle and other infrastructure needed to meet the transportation needs of the Cape Cod region. The agency offers many types of services that cater to many different customer types including provides year-round and seasonal fixed-route services and a variety of demand response services. There is emphasis on providing transportation to the transit dependent demographics on Cape Cod, the elderly and individuals with disabilities.

Year-round fixed route service is offered on major roads. Stops are positioned to provide mobility and convenience for customers. Passengers may also flag down the bus between scheduled stops along the route. The FLEX route is a hybrid, which allows passengers to request a pick-up or drop off location up to ¾ of a mile from the designated route. The routes with the highest ridership are the H2O and Sealine, which travel on Route 28. Some of the fixed routes show ridership that changes seasonally, such as the FLEX route, but others show more steady year round use, including the Sandwich Line and Barnstable Villager. The newest regular services, the Sandwich Line and the Bourne Run have been meeting the fixed-route needs of previously unserved areas. Still running as a demonstration route, the Hyannis Loop is providing improved access to employment and services in Hyannis. Figure 3 shows the agencies year-round, fixed-route services.

Seasonal fixed-route services are provided in the downtown portions of Falmouth, Hyannis and Provincetown. These services have high ridership and measure well in performance during the summer months. The Provincetown shuttle has the highest ridership in the months of July and August of all the services offered. The CapeFLYER, a train from Boston targeted for vacationers traveling to Cape Cod, and the Outer Cape Bike shuttle, a vehicle with a trailer to carry bicycles, are provided in partnership with other agencies and are not included in this evaluation.

Demand response services make up a large portion of total ridership including; Dial-A-Ride Transportation (DART), Americans with Disabilities Act (ADA) paratransit services and the Boston Hospital Transportation.



Figure 3. Map of Cape Cod Regional Transit Authority Year-round, Fixed-route Services

Chapter 5: TIP Project Listing/Financial Plan

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

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

Summary of Funding for Cape Cod Highway and Transit Projects

The Cape Cod federal aid target amounts, from Federal Highway Administration sources through the Commonwealth of Massachusetts, Massachusetts Highway Department, based on approximately 4.6% of the statewide amounts, are presented in Table 8, and the current amount programmed is the right column.

Table 8. Cape Cod Federal Aid Target Programmed Amounts	Table 8. Ca	ape Cod Federal	Aid Target	Programmed	Amounts
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YEAR	TOTAL FEDERAL AID	AMOUNT PROGRAMMED
2017	\$9,517,607	\$9,517,607
2018	\$9,590,976	\$7,875,327
2019	\$8,526,439	\$9,227,663
2020	\$9,388,112	\$10,105,360
2021	\$9,172,000	\$10,004,000
2017-2021 Total	\$46,195,134	\$46,729,957

Projects programmed in years 2017-2021 reflect 2017 cost estimates. An inflation rate of 4% per year is added to project cost estimates in years 2018-2021, and therefore, the project cost estimates are by Year Of Expenditure (YOE) for the target projects.

In addition to funding of highway projects, a significant amount of TIP funding is allocated for public transportation. Table 6 shows the programming amounts for both highway and transit projects provided from the TIP. The highway totals includes projects outside of the Cape Cod TIP Target such as Cape Cod specific bridge and maintenance projects.

Table 9. Cape Cod TIP Funding Programmed for Highway and Transit Projects

YEAR	HIGHWAY	TRANSIT	TOTAL
2017	\$22,318,160	\$13,147,326	\$35,465,486
2018	\$15,225,158	\$11,140,319	\$26,365,477
2019	\$10,555,984	\$11,299,141	\$21,855,125
2020	\$10,512,710	\$11,954,513	\$22,467,223
2021	\$16,848,232	\$12,714,346	\$29,562,578
2017-2021 Total	\$75,460,244	\$60,255,645	\$135,8715,889

The list of specific Cape Cod projects is presented on the following pages. From the system level anticipated revenues continue to fall short of anticipated needs as evidenced by the projects in need of funding listed in the Appendix C.

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mendment/Adjustme	MassDOT		Municipality Name	MassDOT	MassDO	T Funding	Total	l rammed	Federal Funds	Non-Federal		
Type ▼	Project ID ▼	мро ▼	▼	Project Description ▼		7 Source ▼	Fund		▼	Funds ▼	Additional	Information ▼
Section 1A / Feder	_											
HSIP - Highway Sa	afety Improvement	nt Program Cape Cod	Dennis	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS OF	N 5	HSIP	\$	458.514	\$ 412,663	\$ 45.851	Total programm	ned = \$8,151,8591 = \$458,514 HSIP + \$647,393 CMAQ + \$193,0
MENDMENT:Change Iditional Information				MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER COUNTY ROAD.							TAP + \$4,458,2	100 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide STI completed. RSA completed. Municipality is proponent. Score =
						HSIP Subtotal ▶	\$	458,514	\$ 412,663	\$ 45,851	■ 90% Federal	+ 10% Non-Federal
CMAQ - Congestion	on Mitigation and		Improvement Program Barnstable	n BARNSTABLE - HYANNIS LOOP DEMONSTATION	5	CMAQ	\$	685,464	\$ 685,464	\$ -		NSFER TO FTA, CMAQ Demonstration AC Year 2 of 3 (\$685,46
	CC2000	Cape Cod	Regional	Cape Cod Bicycle Rack Program	5	CMAQ	\$	100,000	\$ 80,000	\$ 20,000	Total programm	5,464 CCRTA SCA match for \$1,370,928 Total Cost). Score = ned = \$100,000. CMAQ analysis complete. Funds to be applied
IENDMENT:Change	606707	Cape Cod	Dennis	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS OF MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE	N 5	CMAQ	\$	647,393	\$ 517,914	\$ 129,479		ned = \$8,151,8591 = \$458,514 HSIP + \$647,393 CMAQ + \$193 00 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide ST
ditional Information				TO UPPER COUNTY ROAD.							CMAQ analysis	completed. RSA completed. Municipality is proponent. Score =
						CMAQ Subtotal ▶	\$	1,432,857	\$ 1,283,378	\$ 149,479	■ 80% Federal	+ 20% Non-Federal
TAP - Transportat			Danie	DENING CORRIDOR AND STREETSCARE IMPROVEMENTS OF	NI F	TAP	•	402.020	f 454.400	00.007	T-4-1	
MENDMENT:Change dditional Information	606707	Cape Cod	Dennis	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS C MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER COUNTY ROAD.	DN 5	TAP	\$	193,036	\$ 154,429	\$ 38,607	TAP + \$4,458,2	ned = \$8,151,8591 = \$458,514 HSIP + \$647,393 CMAQ + \$193 00 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide S completed. RSA completed. Municipality is proponent. Score =
			'			TAP Subtotal ▶	\$	193,036	\$ 154,429	\$ 38,607	■ 80% Federal	+ 20% Non-Federal
Non-CMAQ/HSIP/1	ΓΑΡ (Other) 606707	Cape Cod	Dennis	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS OF	ON 5	STP	\$	4,458,200	\$ 3,566,560	\$ 801.640	Total programm	ned = \$8,151,8591 = \$458,514 HSIP + \$647,393 CMAQ + \$193
MENDMENT:Change Iditional Information	606707	Cape Cou	Delilis	MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER COUNTY ROAD.	,	317	Ψ	4,430,200	\$ 3,300,300	\$ 091,040	TAP + \$4,458,2	100 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide ST completed. RSA completed. Municipality is proponent. Score =
	608544	Cape Cod	Bourne	BOURNE- RESURFACING AND RELATED WORK ON ROUTE 6 & 28 BYPASS ROAD	5 5	STP	\$	2,400,000	\$ 1,920,000	\$ 480,000	Total programm	ned = \$2,400,000. Score = 49.
	608102	Cape Cod	Harwich	HARWICH- IMPROVEMENTS TO PARK AND RIDE FACILITY INCLUDING A NEW BUS SHELTER AT ROUTE 124 PARK AND RIDE	5	STP	\$	575,000	\$ 460,000	\$ 115,000	Total programm	ned = \$575,000. Score = 52.
				I .	Q/HSIP/TAP	(Other) Subtotal ▶	· \$	7,433,200	\$ 5,946,560	\$ 1,486,640	■ 80% Federal	+ 20% Non-Federal
						(,		,,	, , , , , , , , , , , , , , , , , , , ,	, ,		
Section 1A / Fisca	i Constraint Anai	ysis		Total Federal Aid				9,517,607	\$ 9,517,607	◄ Total Target	\$ -	Target Funds Available
				Total Non-CMAQ/HS	SIP/TAP (Oth	er) Programmed >	\$	7,433,200	\$ 7,433,200	■ Max. Non- CMAQ/HSIP/TAP	\$ -	Non-CMAQ/HSIP/TAP (Other) Available
					Total HS	SIP Programmed >		458,514	\$ 458,514	■ Min. HSIP		HSIP Recommended Met
						AQ Programmed AP Programmed		1,432,857 193,036	\$ 1,432,857	■ Min. CMAQ ■ Min. TAP		CMAQ Recommended Met TAP Recommended Met
				Rem		MAQ, and TAP Fund		-	Ψ 130,030	NIIII. TAF	Ψ -	TAI TOOONINGTOOD WEE
Section 1B / Fede	ral Aid Bridge Pro	ojects		. Com	, c	and the rune.	, ,					
statewide System	atic Maintenance	Program		In 5 5								
				No Projects Programmed Statewide Bridge M	aintenance F	Program Subtotal ▶	\$ · \$		\$ -		■ 80% Federal	+ 20% Non-Federal
On System				_		-					-	
				No Projects Programmed	On	System Subtotal ▶	\$	-			■ 90% Enderal	+ 20% Non-Federal
Off-System					Oli	System Subtotal	Φ	-	Φ -	-	□ ■ 60 % Federal	+ 20% NOII-Federal
on ojotom				No Projects Programmed			\$	-				
Notes de Brides la					Off-	System Subtotal >	\$	-	\$ -	-	■ 80% Federal	+ 20% Non-Federal
Statewide Bridge In:	spection Program			No Projects Programmed			\$	-	\$ -	\$ -		
				Statewide Bridge	Inspection F	Program Subtotal	\$	-	\$ -	-	■ 80% Federal	+ 20% Non-Federal
Section 1C / Fede	ral Aid Non-Targe	et Projects										
Other Federal Aid												
				No Projects Programmed	Other Fed	eral Aid Subtotal >	\$ · \$				▼ Funding Split	t Varies by Funding Source
Section 1D / Fede	ral Aid Maior & Se	ate Categor	v Projects									
Regional Major Inf	•	are outegor	, . rojecta									
regional major in				No Projects Programmed			\$	-		\$ -		
				Regiona	l Major Infras	tructure Subtotal >	\$	-	\$ -	-	■ 80% Federal	+ 20% Non-Federal
	ans with Disabilit	y Act Impler	mentation Plan	No Projects Programmed			\$	-	\$ -	\$ -	1	
Statewide America		_	1		Implementati	on Plan Subtotal ▶			\$ -		■ 80% Federal	+ 20% Non-Federal
Statewide Americ												
Statewide America Statewide Conge	stion Mitigation a	nd Air Quali Cape Cod		DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS OF MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE	DN 5	CMAQ	\$	204,607	\$ 163,686	\$ 40,921	TAP + \$4,458,2	ned = \$8,151,8591 = \$458,514 HSIP + \$647,393 CMAQ + \$193 00 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide S
Statewide Conge				DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS O			\$				TAP + \$4,458,2 CMAQ analysis	200 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide S completed. RSA completed. Municipality is proponent. Score
Statewide Conge ENDMENT:Add ding Source	606707			DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS OF MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE		CMAQ e CMAQ Subtotal ▶	\$	204,607			TAP + \$4,458,2 CMAQ analysis	00 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide \$
Statewide Conge	606707			DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS OF MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE			\$				TAP + \$4,458,2 CMAQ analysis	200 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide S completed. RSA completed. Municipality is proponent. Score

mendment/Adjustme			Municipality Name	MassDOT	MassDOT			Federal Funds		
Гуре ▼	Project ID ▼	МРО ▼	▼	Project Description ▼	District ▼	Source ▼ ogram Subtotal ►	Funds ▼	▼	Funds ▼	Additional Information ▼ ■ 90% Federal + 10% Non-Federal
				Statew	viue noir Fit	ografii Subtotal 🕨	Φ -	Φ -	-	_ ■ 90% Federal + 10% Noil-Federal
Statewide Infrastru		Cape Cod	Dennis	DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS ON	5	STP	\$ 2,190,109	\$ 1,752,087	\$ 438 022	Total programmed = \$8,151,8591 = \$458,514 HSIP + \$647,393 CMAQ + \$193
ENDMENT:Increase st,AMENDMENT:Cha		Cape Cou	Delilis	MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE	J 3	311	φ 2,190,109	φ 1,732,007	430,022	TAP + \$4,458,200 STP + \$204,607 Statewide CMQ + \$2,190,109 Statewide S
e Additional				TO UPPER COUNTY ROAD.						CMAQ analysis completed. RSA completed. Municipality is proponent. Score
ormation						21111				
				Statewide Infra	astructure Pro	ogram Subtotal ►	\$ 2,190,109	\$ 1,752,087	\$ 438,022	■ 80% Federal + 20% Non-Federal
Statewide Interstat	e Maintenance F	rogram								
				No Projects Programmed Statewide Interstate Mai	atanana Da	Cubtetel b		\$ -		■ 90% Federal + 10% Non-Federal
				Statewide interstate Mail	ntenance Pro	ogram Subtotal 🕨	ъ <u>-</u>	5 -		_ ■ 90% Federal + 10% Nori-Federal
Statewide Intelliger	nt Transportatio	n Systems		N. D. : 4 D	1		•	•		T
				No Projects Programmed	Ctotowie	de ITS Subtotal ▶		\$ - \$ -		■ 80% Federal + 20% Non-Federal
					Statewi	ue 113 Subiolai 🕨	Φ -	φ -		_ 4 00% redetal + 20% Noti-redetal
Statewide National	Freight Progran	n	1	No Projects Programmed	1	1	\$ -	\$ -	s -	
		1	1		al Freight Pre	ogram Subtotal ►		\$ -		■ 80% Federal + 20% Non-Federal
04-4		D	in December	Statewide Mation		- g. a Cabiotai P	Ŧ -	-		
Statewide National	Highway System 608201	m Preservat	MULTIPLE	HARWICH- BREWSTER- ORLEANS- RESURFACING AND	5	NHPP	\$ 9,318,531	\$ 7,454,825	\$ 1,863,706	Total programmed = \$10,405,837 = \$9,318,53 NHPP/NHS + \$865,801 STP/TI
	000201	COD	WOLTIFEL	RELATED WORK ON ROUTE 6	"	INITIF	φ 9,510,551	Ψ 7,434,023	9 1,003,700	(Statewide Stormwater Retrofits) + \$221,505 NFA (Non Federal Aid). Score =
				Statewide NHS Pre	servation Pro	ogram Subtotal ▶	\$ 9,318,531	\$ 7,454,825	\$ 1,863,706	■ 80% Federal + 20% Non-Federal
Statewide Planning	Program					'				-
	,	I		No Projects Programmed			\$ -	\$ -	\$ -	
					Planning Pro	ogram Subtotal ►				■ 80% Federal + 20% Non-Federal
Statewide Railroad	Grade Crossino	ıs								
		<u>, </u>		No Projects Programmed			\$ -	\$ -		
				Statewide RF	R Grade Cro	ssings Subtotal >	\$ -	\$ -	\$ -	■ 80% Federal + 20% Non-Federal
Statewide Safe Ro	utes to Schools	Program								
				No Projects Programmed				\$ -	\$ -	
				Statewide Safe Routes to	Schools Pro	ogram Subtotal >	\$ -	\$ -	\$ -	■ Funding Split Varies by Funding Source
Statewide Stormwa	ater Retrofits									
	608201	CAPE	MULTIPLE	HARWICH- BREWSTER- ORLEANS- RESURFACING AND	5	STP-TE	\$ 865,801	\$ 692,641	\$ 173,160	Total programmed = \$10,405,837 = \$9,318,53 NHPP/NHS + \$865,801 STP/T
		COD		RELATED WORK ON ROUTE 6				_	_	(Statewide Stormwater Retrofits) + \$221,505 NFA (Non Federal Aid). Score =
				Statewide St	tormwater Re	etrofits Subtotal >	\$ 865,801	\$ 692,641	\$ 173,160	■ 80% Federal + 20% Non-Federal
Statewide Transpo	rtation Enhance	ments			_		_	-		
				No Projects Programmed		0.11.1.15	\$ -			1 000/ F. J. ol . 000/ No. F. J. ol
				Statewide Transportati	ion Ennance	ments Subtotal ►	\$ -	\$ -		■ 80% Federal + 20% Non-Federal
Other Statewide Ite	ms						_			
		-		ABP GANS Repayment			\$ -		-	
		_		Award Adjustments, Change Orders, Project Value Changes, Etc. DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			\$ - \$ -		-	
				Planning			\$ -		-	+
	1			Statewide Design and Right of Way			\$ -		-	†
				Statewide Recreational Trails			\$ -		-	<u> </u>
				Oth	er Statewide	Items Subtotal >	\$ -	\$ -	\$ -	■ Funding Split Varies by Funding Source
Section 2A / Non-Fe	ederal Projects									
Non Federal Aid										
	608201	CAPE	MULTIPLE	HARWICH- BREWSTER- ORLEANS- RESURFACING AND	5	NFA	\$ 221,505		\$ 221,505	
		COD		RELATED WORK ON ROUTE 6	Non Earla	aral Aid Cubtat-15	¢ 224 F0F		© 224.505	(Statewide Stormwater Retrofits) + \$221,505 NFA (Non Federal Aid). Score = 4100% Non-Federal
					Non-Fede	eral Aid Subtotal▶	\$ 221,505		\$ 221,505	□ TOU76 NO/I-redefal
Section 2B / Non-F	ederal Bridge Pr	ojects								
Section 2B / Non-F	ederal Bridge Pr	ojects								
				No Projects Programmed		NFA	\$ -		\$ -	
				Section 2B / Non-Fede	eral Bridge P	Projects Subtotal►			\$ -	■ 100% Non-Federal
0047.0-	na C a	4 645	O TID C	I MA MA A WA			TIP Section 1:	TIP Section 2:	Total of All	
2017 Ca	pe Co	a WF	O TIP S	ummary			V	V	Projects ▼	
	-					Total ▶	\$ 22,096,655	\$ 221.505	\$ 22,318,160	■ Total Spending in Region
						Federal Funds ▶			\$ 17,860,268	▼ Total Federal Spending in Region

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By location in the TIP, the Unicipality is a schooled by the Awarding Authority. Therefore, all projects must be considered and implemented and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By location in the TIP, the Unicipality is the Awarding Authority. Therefore, all projects must be considered and implemented and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By location in the TIP, the Unicipality is the Awarding Authority. Therefore, all projects must be considered and implemented and implemented in accordance with 701 CMR 7.00, and the Road Flagger and Police Detail Guidelines. By location in the TIP, the Unicipality 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 location in the TIP, the Unicipality is the Awarding Authority. Therefore, all projects and the TIP, the Commonwealth of the TIP, the Unicipality is the Awarding Authority. Therefore, all projects and the TIP, the Commonwealth of the TIP, the Unicipality is the Awarding Authority. Therefore, all projects are all the TIP, the Commonwealth of th

Amendment/	MassDOT			MassDOT	MassDOT		Total Programmed		Non-Federal		
Adjustment Type ▼	Project ID ▼	MPO ▼	Municipality Name ▼	Project Description ▼	District ▼	Source ▼	Funds ▼	▼	Funds ▼	Additional	Information ▼
Section 1A / Fede	_	-									
HSIP - Highway S	607435		Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUT	H 5	HSIP	\$ 458.514	\$ 412,66	3 \$ 45.85	1 Total programm	ned with 4% Inflation applied = \$2,818,568 = \$458,514 HSIP, +
	100			ROAD (ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD						\$2,360,054 STP	P. RSA conducted. 25% design plans submitted. Score = 65.
						HSIP Subtotal ▶	\$ 458,514	\$ 412,66	3 \$ 45,85	1 ◀ 90% Federal	l + 10% Non-Federal
CMAQ - Congest	on Mitigation and	d Air Quality I	mprovement Program								
	CC1000	Cape Cod	Barnstable	BARNSTABLE - HYANNIS LOOP DEMONSTATION	5	CMAQ	\$ 711,828	\$ 711,82	8 \$		SFER TO FTA, CMAQ Year 3 of 3 (\$711,828 CMAQ with \$177, atch for \$889,785 Total Cost). Score = 60.
	CC2000	Cape Cod	Regional	Cape Cod Bicycle Rack Program	5	CMAQ	\$ 100,000	\$ 80,00	0 \$ 20,00		ned = \$100,000. CMAQ analysis complete. Funds to be applied
	606596	Cape Cod	Chatham	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUT	5	CMAQ	\$ 334,457	\$ 267,56	6 8 66 80	municipalities. S	Score = 52. ned with 4% inflation applied = \$4,244,931 = \$210,307 TAP +
	000390	Oupc oou	Onatiani	28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD		OWN	ψ 554,457	Ψ 201,00	υ ψ ου,υυ	\$334,457 CMAC	Q + \$3,700,167 STP. 100% design plans submitted. Score = 66.
						CMAQ Subtotal ▶	\$ 1,146,285	\$ 1,059,39	4 \$ 86.89	Municipality is pr 1 ■ 80% Federal	roponent. I + 20% Non-Federal
						SWING CUSIONAL P	Ψ 1,140,200	1,000,00	+ ψ 00,00	1 4 00 % 1 caciai	1 20% Non-1 Cacital
TAP - Transporta	tion Alternatives 606596	Program Cape Cod	Chatham	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUT	5	TAP	\$ 210,307	\$ 168,24	6 \$ 42.06	1 Total programm	ned with 4% inflation applied = \$4,244,931 = \$210,307 TAP +
	000000	Oupc oou	Onatiani	28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD		174	\$ 210,007	Ψ 100,2-	σ φ 42,00		Q + \$3,700,167 STP. 100% design plans submitted. Score = 66.
						TAP Subtotal ▶	\$ 210,307	\$ 168,24	6 \$ 42,06	1 ◀ 80% Federal	I + 20% Non-Federal
Non-CMAQ/HSIP/		Con- C- 1	Paraetable	DADNICTADI E INTEDESCTION IMPROVIÇMENTO & EN MOUT	u -	етр	e 2200.054	e 40000	9 6 470.04	1 Total conserve	and with 49/ Inflation copiled = \$2.040.500 - \$450.544.11010
	607435	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUT ROAD (ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD		STP	\$ 2,360,054	\$ 1,888,04	a 4/2,01		ned with 4% Inflation applied = \$2,818,568 = \$458,514 HSIP, + P. RSA conducted. 25% design plans submitted. Score = 65.
	606596	Cape Cod	Chatham	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUT		STP	\$ 3,700,167	\$ 2,960,13	4 \$ 740,03	3 Total programm	ned with 4% inflation applied = \$4,244,931 = \$210,307 TAP +
				28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD						\$334,457 CMAC Municipality is pr	Q + \$3,700,167 STP. 100% design plans submitted. Score = 66.
				Non-CMA	Q/HSIP/TAP (□ Other) Subtotal ▶	\$ 6,060,221	\$ 4,848,17	7 \$ 1,212,04		I + 20% Non-Federal
Section 1A / Fisc	al Constraint Ana	dveie									
Section IA/ FISC	ai Constraint Ana	iiysis		Total Federal Aid	Target Funds	Programmed >	\$ 7,875,327	\$ 9,884,41	9 ◀ Total Target	\$ 2,009,092	2 Target Funds Available
				Total Non-CMAQ/HS	P/TAP (Othe) Programmed >	\$ 6,060,221	\$ 8,069,31			Non-CMAQ/HSIP/TAP (Other) Available
									CMAQ/HSIP/TAP		
					Total HSI	Programmed >			4 I ■ Min HSIP	٠ -	HSIP Recommended Met
						P Programmed ► Q Programmed ►				\$ -	HSIP Recommended Met CMAQ Recommended Met
					Total CMA Total TA	Q Programmed ► P Programmed ►	\$ 1,146,285 \$ 210,307	\$ 1,146,28			CMAQ Recommended Met
				Rema	Total CMA Total TA	⊋ Programmed ▶	\$ 1,146,285 \$ 210,307	\$ 1,146,28	5 ◀ Min. CMAQ	\$ -	CMAQ Recommended Met
	•	•		Rema	Total CMA Total TA	Q Programmed ► P Programmed ►	\$ 1,146,285 \$ 210,307	\$ 1,146,28	5 ◀ Min. CMAQ	\$ -	CMAQ Recommended Met
	•	•			Total CMA Total TA	Q Programmed ► P Programmed ►	\$ 1,146,285 \$ 210,307 \$ -	\$ 1,146,28 \$ 210,30	5 ◀ Min. CMAQ 7 ◀ Min. TAP	\$ -	CMAQ Recommended Met
	•	•		Rem: No Projects Programmed Statewide Bridge M	Total CMA Total TA ining HSIP, CM	Q Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds	\$ 1,146,285 \$ 210,307 \$ -	\$ 1,146,28 \$ 210,30	5 ◀ Min. CMAQ 7 ◀ Min. TAP	\$ -	CMAQ Recommended Met
Statewide Syster	•	•		No Projects Programmed	Total CMA Total TA ining HSIP, CM	Q Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds	\$ 1,146,285 \$ 210,307 \$ -	\$ 1,146,28	5 ◀ Min. CMAQ 7 ◀ Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met
Statewide Syster	•	•		No Projects Programmed	Total CMAI Total TA ining HSIP, CM ining HSIP, CM	2 Programmed ▶ P Programmed ▶ AQ, and TAP Funds	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP S S S S S	\$ - \$ - - ■ 80% Federal	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Statewide Syster	•	•		No Projects Programmed Statewide Bridge M	Total CMAI Total TA ining HSIP, CM ining HSIP, CM	Q Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP S S S S S	\$ - \$ - - ■ 80% Federal	CMAQ Recommended Met TAP Recommended Met
Statewide Syster	•	•		No Projects Programmed Statewide Bridge M No Projects Programmed	Total CMAI Total TA ining HSIP, CM ining HSIP, CM	2 Programmed ▶ P Programmed ▶ AQ, and TAP Funds	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ -	\$ 1,146,28	5	\$ - \$ - - ■ 80% Federal	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Statewide Syster	•	•		No Projects Programmed Statewide Bridge M	Total CMAI Total TA ining HSIP, CM intenance Pr	2 Programmed ▶ P Programmed ▶ AQ, and TAP Funds	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ - \$ - ■ 80% Federal	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Statewide Syster On System Off-System	natic Maintenanc	e Program		No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Programmed	Total CMAI Total TA ining HSIP, CM intenance Pr	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds □	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ - \$ 80% Federal - \$ 80% Federal - \$ 80% Federal	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal
Statewide Syster On System Off-System	natic Maintenanc	e Program		No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Projects Programmed No Projects Projects Projects Projects Projects Projects Project	Total CMAI Total TA ining HSIP, CM ining HSIP, CM On S Off-S	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds □	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Statewide Syster On System Off-System Statewide Bridge Ir	natic Maintenanc	e Program		No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Programmed	Total CMAI Total TA ining HSIP, CM ining HSIP, CM On S Off-S	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds □	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal
Statewide Syster On System Off-System Statewide Bridge Ir	natic Maintenanc	e Program		No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Projects Programmed No Projects Projects Projects Projects Projects Projects Project	Total CMAI Total TA ining HSIP, CM ining HSIP, CM On S Off-S	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds □	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Section 1B / Fede Statewide Syster On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid	natic Maintenanc	e Program		No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Statewide Bridge	Total CMAI Total TA ining HSIP, CM ining HSIP, CM On S Off-S	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds □	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,2t \$ 210,30	5	\$ -	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Feder	natic Maintenanc	e Program		No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Projects Programmed No Projects Projects Projects Projects Projects Projects Project	Total CMAIN Total TA	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds gram Subtotal ▶ ystem Subtotal ▶ ystem Subtotal ▶ pgram Subtotal ▶	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Fedden Other Federal Aid	natic Maintenanc	e Program		No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Statewide Bridge	Total CMAIN Total TA	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds □	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid Section 1D / Feder	natic Maintenanc sspection Program oral Aid Non-Targ	e Program	y Projects	No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Statewide Bridge	Total CMAIN Total TA	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds gram Subtotal ▶ ystem Subtotal ▶ ystem Subtotal ▶ pgram Subtotal ▶	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal
On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid	natic Maintenanc sspection Program oral Aid Non-Targ	e Program	y Projects	No Projects Programmed Statewide Bridge No Projects Programmed	Total CMAIN Total TA	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds gram Subtotal ▶ ystem Subtotal ▶ ystem Subtotal ▶ pgram Subtotal ▶	\$ 1,146,286 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal
On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid	natic Maintenanc sspection Program oral Aid Non-Targ	e Program	y Projects	No Projects Programmed	Total CMAI TO TOTAL CMAIN TOTAL TA TOTA	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds gram Subtotal ▶ ystem Subtotal ▶ ystem Subtotal ▶ pgram Subtotal ▶	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5	\$ - \$ 80% Federal - \$ \$ 80% Federal - \$ \$ 80% Federal - \$ \$ \$ 80% Federal - \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal 1 + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Air Section 1D / Fede Regional Major In	aspection Program aral Aid Non-Targ	e Program		No Projects Programmed Regional	Total CMAI TO TOTAL CMAIN TOTAL TA TOTA	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds June June	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5 Min. CMAQ 7 Min. TAP	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Air Section 1D / Fede Regional Major In	aspection Program aral Aid Non-Targ	e Program		No Projects Programmed	Total CMAining HSIP, CM Inining HSIP, CM On S On S Off-S Other Fede	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds Degram Subtotal ▶ Justem Subtotal ▶	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5	\$ - \$ 80% Federal - \$ \$ 80% Federal - \$ \$ 80% Federal - \$ \$ \$ 80% Federal - \$ \$ \$ 80% Federal - \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Fedd Other Federal Aid Section 1D / Fedd Regional Major In Statewide America	ral Aid Non-Targ	et Projects	nentation Plan	No Projects Programmed	Total CMAining HSIP, CM Inining HSIP, CM On S On S Off-S Other Fede	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds June June	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5	\$ - \$ 80% Federal - \$ \$ 80% Federal - \$ \$ 80% Federal - \$ \$ \$ 80% Federal - \$ \$ \$ 80% Federal - \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Fedd Other Federal Aid Section 1D / Fedd Regional Major In Statewide America	eral Aid Major & S frastructure ans with Disabili	e Program Let Projects State Category and Air Quality and Air Quality	nentation Plan	No Projects Programmed Regional No Projects Programmed Statewide ADA I	Total CMAINT Total TA	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds Substitute Program Subtotal ▶ Substitute Substitute Substitute Substitute Substitute Substitute Note Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Air Section 1D / Fede Regional Major In	ral Aid Non-Targ	e Program Let Projects State Category and Air Quality and Air Quality	nentation Plan	No Projects Programmed Regional No Projects Programmed Statewide ADA I YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, INCLUDES NEW BRIDGE OVER WILLOW STREE	Total CMAI Total TA T	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds Degram Subtotal ▶ Justem Subtotal ▶	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30	5	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 2 + 20% Non-Federal 3 + 20% Non-Federal 4 + 20% Non-Federal 4 + 20% Non-Federal 9 - Company of the comp
Statewide System On System Off-System Statewide Bridge In Section 1C / Fedd Other Federal Aid Section 1D / Fedd Regional Major In Statewide America	eral Aid Major & S frastructure ans with Disabili	e Program Let Projects State Category and Air Quality and Air Quality	nentation Plan	No Projects Programmed	Total CMAI Total TA T	Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds pgram Subtotal ▶ gram Subtotal ▶ gram Subtotal ▶ al Aid Subtotal ▶ ucture Subtotal ▶ Program Subtotal ▶ CMAQ	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,2t \$ 210,30	5	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 2 funding total of \$7,349,831. Land acquisition, survey, and desing the second survey.
Statewide System On System Off-System Statewide Bridge In Section 1C / Feder Other Federal Aid Section 1D / Feder Regional Major In Statewide America	espection Program eral Aid Non-Targ frastructure eans with Disability estion Mitigation 607398	e Program Let Projects State Category and Air Quality and Air Quality	nentation Plan	No Projects Programmed Regional No Projects Programmed Statewide ADA I YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, INCLUDES NEW BRIDGE OVER WILLOW STREE	Total CMAI Total TA T	Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds Substitute Program Subtotal ▶ Substitute Substitute Substitute Substitute Substitute Substitute Note Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute Substitute	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,2t \$ 210,30	5	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 2 + 20% Non-Federal 3 + 20% Non-Federal 4 + 20% Non-Federal 4 + 20% Non-Federal 9 - Company of the comp
Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid Section 1D / Fede Regional Major In Statewide America	espection Program eral Aid Non-Targ frastructure eans with Disability estion Mitigation 607398	e Program Let Projects State Category and Air Quality and Air Quality	nentation Plan	No Projects Programmed Statewide ADA I YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, INCLUDES NEW BRIDGE OVER WILLOW STREE & RAILROAD (PHASE III)	Total CMAI Total TA T	Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds pgram Subtotal ▶ gram Subtotal ▶ gram Subtotal ▶ al Aid Subtotal ▶ ucture Subtotal ▶ Program Subtotal ▶ CMAQ	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30 \$ 210,30 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 2 funding total of \$7,349,831. Land acquisition, survey, and desing the second survey.
On System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid Section 1D / Fede Regional Major In Statewide America	espection Program eral Aid Non-Targ frastructure eans with Disability estion Mitigation 607398	e Program Let Projects State Category and Air Quality and Air Quality	nentation Plan	No Projects Programmed	Total CMAINT Total TA	Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds pgram Subtotal ▶ gram Subtotal ▶ gram Subtotal ▶ al Aid Subtotal ▶ ucture Subtotal ▶ Program Subtotal ▶ CMAQ	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30 \$ 210,30 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 2 funding total of \$7,349,831. Land acquisition, survey, and design equations are survey.
Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid Section 1D / Fede Regional Major In Statewide America Statewide Congress Statewide Congress Statewide HSIP I	espection Program eral Aid Non-Targ frastructure eans with Disability estion Mitigation 607398	e Program let Projects lity Act Implem and Air Qualit CAPE COE	nentation Plan	No Projects Programmed	Total CMAINT Total TA	Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ AQ, and TAP Funds gram Subtotal ▶ ystem Subtotal ▶ ystem Subtotal ▶ gram Subtotal ▶	\$ 1,146,285 \$ 210,307 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,146,28 \$ 210,30 \$ 210,30 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5	\$ -	CMAQ Recommended Met TAP Recommended Met 1 + 20% Non-Federal 2 + 20% Non-Federal 4 + 20% Non-Federal 4 + 20% Non-Federal 4 + 20% Non-Federal G quanding total of \$7,349,831. Land acquisition, survey, and des = 82.

	MassDOT			MassDOT	MassDOT	Eunding	Total Programmed	Federal Funds	Non Endoral	
Amendment/ Adjustment Type ▼	Project ID ▼	мро ▼	Municipality Name ▼	MassDO1 Project Description▼		Funding Source ▼	Programmed Funds ▼	▼	Non-Federal Funds ▼	Additional Informatio
•				No Projects Programmed			\$ -		\$ -	
				Statewide Interstate Ma	aintenance Pr	ogram Subtotal 🕨	\$ -	\$ -	- \$	■ 90% Federal + 10% Non-Federal
Statewide Intellige	ent Transportatio	n Systems								
				No Projects Programmed			\$ -			
					Statewi	de ITS Subtotal ▶	\$ -	\$ -	\$ -	■ 80% Federal + 20% Non-Federal
Statewide Nationa	ıl Freight Prograr	m								
				No Projects Programmed			\$ -			
				Statewide Nation	nal Freight Pr	ogram Subtotal >	\$ -	\$ -	\$ -	■ 80% Federal + 20% Non-Federal
Statewide Nationa	I Highway Syste	m Preservat	ion Program							
				No Projects Programmed		0.11111	\$ - \$ -			
				Statewide NHS Pr	eservation Pr	ogram Subtotai 🕨	\$ -	\$ -	5	■ 80% Federal + 20% Non-Federal
Statewide Plannin	g Program									
				No Projects Programmed	Diagning Da	narom Cubtotal >	\$ - \$ -			
				Statewice	e rianning Pr	ogram Subtotal ▶	a -	\$ -	Φ -	■ 80% Federal + 20% Non-Federal
Statewide Railroa	d Grade Crossing	gs	1	N. P. C. J. P		1				
				No Projects Programmed	DD Crada Cra	ssings Subtotal ►	\$ - \$ -			■ 80% Federal + 20% Non-Federal
		_		Statewide R	ur Graue Cro	issings Subloidi 🕨	- ·	- Ψ	- Ψ	■ 00 /0 i eucidi + 20 /0 NOII-Feucidi
Statewide Safe R	outes to Schools	Program		No Projects Programmed		1	\$ -	\$ -	•	.
				Statewide Safe Routes t	to Schools Pr	ogram Subtotal ►				▼ Funding Split Varies by Funding Source
				otatewide date reduces t	10 0011001311	ogram oubtotal P		Ψ	Ψ .	4 Fullating Optic Valles by Fullating Obulee
Statewide Stormw	ater Retrofits		1	No Projects Programmed	1	T	\$ -	\$ -	S -	
					Stormwater R	etrofits Subtotal ►	7			■ 80% Federal + 20% Non-Federal
Otatawida Tanan				olalomido e	, , , , , , , , , , , , , , , , , , ,	ou onto oubtotui p	•	, ,	Ψ	4 55 /5 / 545/41 / 25 /5 / 151 / 545/41
Statewide Transpo	ortation Ennance	ements		No Projects Programmed			\$ -	\$ -	\\$ -	.
				Statewide Transporta	ition Enhance	ments Subtotal >				■ 80% Federal + 20% Non-Federal
Other Statewide It										
Other Statewide it	ellis	1		ABP GANS Repayment		1	s -	\$ -	\$ -	.
				Award Adjustments, Change Orders, Project Value Changes, Etc.			\$ -	\$ -		
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			\$ -	\$ -	\$ -	
				Planning			\$ -	\$ -		
				Statewide Design and Right of Way			\$ -			
				Statewide Recreational Trails	har Statoudd	e Items Subtotal ▶	\$ - \$ -	\$ -		■ Funding Split Varies by Funding Source
				Oli	iici StateWIGE	REITS SUDIDIAL	- پ	Ψ -	Ψ -	Trunding Split valies by Funding Source
Section 2A / Non-F	Federal Projects									
Non Federal Aid	ouorui i rojects									
- Non Federal Ald	1	1		No Projects Programmed		NFA	s -		\$ -	.
	1		1	140 F Tojecto F Togrammed	Non-Fede	eral Aid Subtotal▶				■ 100% Non-Federal
Section 2B / Non-l	Endoral Bridge B	roiocte								
	_									
Section 2B / Non-l	Federal Bridge Pi	rojects		No Projecto Programmed		NEA	e		•	
				No Projects Programmed Section 2B / Non-Fed	leral Bridge B	NFA	\$ -		\$ -	■ 100% Non-Federal
					aciai biluye P	rojects Subtotal		TIP Section 2:	Total of All	- 100 /0 NOIT-Teueldi
2018 Ca	no Co	d MD	O TIP Sun	nmary			TIF Section 1:	TIF Section 2:	Projects ▼	
EU 10 C	the CO	G IVIE	o ili oui	ililiai y						
						Total ►	\$ 15,225,158	\$ -		8 ◀ Total Spending in Region
						Federal Funds ►				4 Total Federal Spending in Region
					Non	-Federal Funds ►	\$ 2,856,815	\$ -	\$ 2,856,81	5 ◀ Total Non-Federal Spending in Region

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects continued 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 Jacking Agriculture, and additional information can be implementation of the Regulation can be found in the Massacoli on the United Survival Public Published Survival Published Survival

Amendment/	MassDOT			MassDOT	MassDOT		Total Programmed	Federal Funds			
Adjustment Type ▼	Project ID ▼	MPO ▼	Municipality Name ▼	Project Description ▼	District ▼	Source ▼	Funds ▼	▼	Funds ▼	Additional	Information ▼
Section 1A / Fed	_	-									
Tion - riigiiway (606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT	5	HSIP	\$ 458,514	\$ 412,663	3 \$ 45,851		ed with 8% inflation = \$6,646,775 = \$1,046,285 CMAQ + \$540,86
				IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD						sumitted. RSA p	Q + \$458,514 HSIP + \$193,036 TAP + \$4,408,140 STP. 25% deterformed. CMAQ analysis to be performed. Score = 83.
						HSIP Subtotal ▶	\$ 458,514	\$ 412,663	3 \$ 45,851	_ ◀ 90% Federal	+ 10% Non-Federal
CMAQ - Congest	on Mitigation and	Cape Cod	mprovement Program Regional	Cape Cod Bicycle Rack Program	5	CMAQ	\$ 100,000	\$ 80,000	20,000	Total programm	ed = \$100,000. CMAQ analysis complete. Funds to be applied for
										municipalities. S	core = 52.
	606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	CMAQ	\$ 1,046,285	\$ 837,028	3 \$ 209,257	Statewide CMA	red with 8% inflation = $$6,646,775 = $1,046,285 \text{ CMAQ} + $540,840 + $458,514 \text{ HSIP} + $193,036 \text{ TAP} + $4,408,140 \text{ STP}$. 25% dererformed. CMAQ analysis to be performed. Score = 83.
						CMAQ Subtotal ▶	\$ 1,146,285	\$ 917,028	\$ 229,257	■ 80% Federal	+ 20% Non-Federal
TAP - Transporta	tion Alternatives	Program									
	606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	TAP	\$ 193,036	\$ 154,429	38,607	Statewide CMA	red with 8% inflation = $$6,646,775 = $1,046,285 \text{ CMAQ} + $540,842 + $458,514 \text{ HSIP} + $193,036 \text{ TAP} + $4,408,140 \text{ STP}$. 25% dereformed. CMAQ analysis to be performed. Score = 83.
						TAP Subtotal ▶	\$ 193,036	\$ 154,429	\$ 38,607	■ 80% Federal	+ 20% Non-Federal
Non-CMAQ/HSIP	TAP (Other) 606272	Cano Cad	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT	5	STP	\$ 4,408,140	\$ 3,526,512	0 0 001 600	Total programm	red with 8% inflation = \$6,646,775 = \$1,046,285 CMAQ + \$540,81
	606272	Cape Cou	Damstable	IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	3	SIF				Statewide CMA0 sumitted. RSA p	Q + \$458,514 HSIP + \$193,036 TAP + \$4,408,140 STP. 25% de erformed. CMAQ analysis to be performed. Score = 83.
	607444	Cape Cod	Falmouth	FALMOUTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT NORTH FALMOUTH HIGHWAY (ROUTE 28A),NATHAN ELLIS HIGHWAY (ROUTE 151) AND COUNTY	5	STP	\$ 3,021,688	\$ 2,417,350	604,338		ed with 8% inflation applied = \$3,021,688. 25% design under Possible HSIP - RSA to be conducted. Score = 63.
				Non-CM/	Q/HSIP/TAP	Other) Subtotal ▶	\$ 7,429,828	\$ 5,943,862	2 \$ 1,485,966	■ 80% Federal	+ 20% Non-Federal
Section 1A / Fisc	al Constraint Ana	lvsis									
		.,		Total Federal Aid	Target Fund	s Programmed >			◆Total Target		Target Funds Available
				Total Non-CMAQ/H	SIP/TAP (Othe	r) Programmed >	\$ 7,429,828	\$ 8,086,584	Max. Non- CMAQ/HSIP/TAP	\$ 656,756	Non-CMAQ/HSIP/TAP (Other) Available
				Total Non-CMAQ/H	Total HS	P Programmed ▶	\$ 458,514	\$ 458,514	CMAQ/HSIP/TAP ✓ Min. HSIP		HSIP Recommended Met
				Total Non-CMAQ/H	Total HS Total CMA	· -	\$ 458,514 \$ 1,146,285	\$ 458,514 5 \$ 1,146,285	CMAQ/HSIP/TAP Min. HSIP Min. CMAQ		
					Total HS Total CMA Total TA	IP Programmed ▶ Q Programmed ▶	\$ 458,514 \$ 1,146,285 \$ 193,036	\$ 458,514 5 \$ 1,146,285	CMAQ/HSIP/TAP Min. HSIP Min. CMAQ		HSIP Recommended Met CMAQ Recommended Met
		-			Total HS Total CMA Total TA	IP Programmed ▶ Q Programmed ▶ IP Programmed ▶	\$ 458,514 \$ 1,146,285 \$ 193,036	\$ 458,514 5 \$ 1,146,285	CMAQ/HSIP/TAP Min. HSIP Min. CMAQ		HSIP Recommended Met CMAQ Recommended Met
		-		Rem	Total HS Total CMA Total TA	IP Programmed ▶ Q Programmed ▶ IP Programmed ▶	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036	CMAQ/HSIP/TAP Min. HSIP Min. CMAQ Min. TAP		HSIP Recommended Met CMAQ Recommended Met
		-			Total HS Total CMA Total TA aining HSIP, CM	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ HAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036	CMAQ/HSIP/TAP Min. HSIP Min. CMAQ Min. TAP	\$ - \$ - \$ -	HSIP Recommended Met CMAQ Recommended Met
Statewide Syste		-		No Projects Programmed Statewide Bridge N	Total HS Total CMA Total TA aining HSIP, CM	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ HAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP	\$ - \$ - \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met
Statewide Syste		-		Rem No Projects Programmed	Total HS Total CMA Total TA aining HSIP, CM	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ HAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ -	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S - Nin. TAP	\$ - \$ - \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met
Statewide Syster		-		No Projects Programmed Statewide Bridge N No Projects Programmed	Total HS Total CMA Total TA aining HSIP, CM	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ -	\$ 458,514 \$ 1,146,286 \$ 193,036 \$ - \$ - \$ -	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. TAP ■ Min. TAP	\$ - \$ - \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Statewide System		-		No Projects Programmed Statewide Bridge N	Total HS Total CMA Total TA aining HSIP, CM	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ -	\$ 458,514 \$ 1,146,28 \$ 193,036 \$ - \$ - \$ -	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ ■ Min. TAP	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Statewide System On System Off-System	matic Maintenance	e Program		No Projects Programmed Statewide Bridge N No Projects Programmed	Total HS Total CMA Total TA aining HSIP, CM	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ -	\$ 458,514 \$ 1,146,28 \$ 193,036 \$ - \$ - \$ -	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ ■ Min. TAP	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal
Statewide System On System Off-System	matic Maintenance	e Program		No Projects Programmed Statewide Bridge N No Projects Programmed	Total HS Total CMA Total TA Total TA aining HSIP, CM On S	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Statewide System Off-System Statewide Bridge I	natic Maintenance	e Program		No Projects Programmed Statewide Bridge N No Projects Programmed	Total HS Total CMA Total TA Total TA aining HSIP, CM On S	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge I	natic Maintenance	e Program		No Projects Programmed Statewide Bridge N No Projects Programmed	Total HS Total CMA Total TA Total TA aining HSIP, CM On S	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai	natic Maintenance	e Program	D) Eastham	No Projects Programmed Statewide Bridge N No Projects Programmed	Total HS Total CMA Total TC To	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,288 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S - S - S - S - S - S - S - S	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai MENDMENT: Add	aspection Program	e Program	Eastham	No Projects Programmed Statewide Bridge No Projects Programmed	Total HSS Total CMA Total TA T	IP Programmed ▶ Q Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ IAQ, and TAP Funds ogram Subtotal ▶ ystem Subtotal ▶ Other FA	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,288 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP Min. HSIP Min. HSIP Min. HSIP Min. HSIP Min. TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36.
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai IENDMENT:Add	sspection Program	et Projects		No Projects Programmed Statewide Bridge No Projects Programmed	Total HSS Total CMA Total TA T	IP Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,288 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP Min. HSIP Min. HSIP Min. HSIP Min. HSIP Min. TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai IENDMENT: Add oject Section 1D / Fed	aspection Program oral Aid Non-Targ CC1001	et Projects		No Projects Programmed Statewide Bridge No Projects Programmed	Total HSS Total CMA Total TA T	IP Programmed ▶ Q Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ IAQ, and TAP Funds ogram Subtotal ▶ ystem Subtotal ▶ Other FA	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,288 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP Min. HSIP Min. HSIP Min. HSIP Min. HSIP Min. TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36.
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai /IENDMENT:Add olject Section 1D / Fed	aspection Program oral Aid Non-Targ CC1001	et Projects		No Projects Programmed Statewide Bridge No Projects Programmed Cape Cod National Seashore - Pavement Overlay on Doane Rd.	Total HSS Total CMA Total TA T	IP Programmed ▶ Q Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ IAQ, and TAP Funds ogram Subtotal ▶ ystem Subtotal ▶ Other FA	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,288 \$ 193,036 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP Min. HSIP Min. HSIP Min. HSIP Min. HSIP Min. TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36.
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai IENDMENT: Add oject Section 1D / Fed	aspection Program oral Aid Non-Targ CC1001	et Projects		No Projects Programmed Statewide Bridge Cape Cod National Seashore - Pavement Overlay on Doane Rd. No Projects Programmed	Total HS Total CMA Total TA To	IP Programmed ▶ Q Programmed ▶ Programmed ▶ Programmed ▶ Programmed ▶ IAQ, and TAP Funds ogram Subtotal ▶ ystem Subtotal ▶ Other FA	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP Min. HSIP Min. HSIP Min. HSIP Min. TAP M	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36.
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai (ENDMENT: Add opject Section 1D / Fed Regional Major In	espection Program oral Aid Non-Targ CC1001 cral Aid Major & S frastructure	et Projects CAPE COL	y Projects	No Projects Programmed Cape Cod National Seashore - Pavement Overlay on Doane Rd. No Projects Programmed Regional Seashore -	Total HS Total CMA Total TA To	P Programmed	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36. Varies by Funding Source
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai MENDMENT: Add oject Section 1D / Fed Regional Major Is	espection Program oral Aid Non-Targ CC1001 cral Aid Major & S frastructure	et Projects CAPE COL	y Projects	No Projects Programmed Statewide Bridge Cape Cod National Seashore - Pavement Overlay on Doane Rd. No Projects Programmed	Total HS Total CMA Total TA To	P Programmed	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	CMAQ/HSIP/TAP Min. HSIP Min. HSIP Min. HSIP Min. CMAQ Min. TAP	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36. Varies by Funding Source
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai RENDMENT: Add oject Section 1D / Fed Regional Major II Statewide America	spection Program Prail Aid Non-Targ CC1001 CC1001 Crail Aid Major & S firastructure cans with Disabiliants certain Mitigation in	et Projects CAPE COL ty Act Implen	y Projects nentation Plan	No Projects Programmed Cape Cod National Seashore - Pavement Overlay on Doane Rd. No Projects Programmed Regional No Projects Programmed No Projects Programmed Statewide ADA	Total HS Total CMA Total TA aining HSIP, CM On 3 Off-3 Off-4 Inspection Properties Other Fede Implementation	P Programmed ▶ Q Programmed ▶ P Programmed ▶ IAQ, and TAP Funds Operation	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$	CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ \$ \$ \$ \$ \$ \$ \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36. Varies by Funding Source + 20% Non-Federal + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai RENDMENT: Add oject Section 1D / Fed Regional Major II Statewide America	eral Aid Non-Targ CC1001 CC1001 Frastructure	et Projects CAPE COL ty Act Implen	y Projects	No Projects Programmed Statewide Bridge Cape Cod National Seashore - Pavement Overlay on Doane Rd. No Projects Programmed	Total HS Total CMA Total TA Total CMA Total TA Total CMA Total CMA Total CMA Total TA Total CMA Total CMA Total TA Total CMA Total	P Programmed	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$	CMAQ/HSIP/TAP Min. HSIP	\$ \$	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36. Varies by Funding Source + 20% Non-Federal
Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai WENDMENT: Add oject Section 1D / Fed Regional Major It Statewide Ameri Statewide Cong	paral Aid Non-Targ CC1001	et Projects CAPE COL ty Act Implen	y Projects nentation Plan	No Projects Programmed Statewide Bridge Cape Cod National Seashore - Pavement Overlay on Doane Rd. No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Statewide ADA BARNSTABLE- INTERSECTION IMPROVEMENTS AT	Total HS Total CMA Total TA Total CMA Total TA Total CMA Total CMA Total CMA Total TA Total CMA Total CMA Total TA Total CMA Total	P Programmed ▶ Q Programmed ▶ P Programmed ▶ IAQ, and TAP Funds Operation	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$	CMAQ/HSIP/TAP Min. HSIP	\$ \$	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36. Varies by Funding Source + 20% Non-Federal
Section 1B / Fed Statewide System On System Off-System Statewide Bridge I Section 1C / Fed Other Federal Ai MENDMENT: Add roject Section 1D / Fed Regional Major In Statewide Ameri	paral Aid Non-Targ CC1001	et Projects CAPE COL ty Act Implen and Air Qualit CAPE COL	y Projects nentation Plan	No Projects Programmed Statewide Bridge Cape Cod National Seashore - Pavement Overlay on Doane Rd. No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Statewide ADA BARNSTABLE- INTERSECTION IMPROVEMENTS AT	Total HS Total CMA Total TA Total CMA Total TA Total CMA Total CMA Total CMA Total TA Total CMA Total CMA Total TA Total CMA Total	P Programmed	\$ 458,514 \$ 1,146,285 \$ 193,036 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 458,514 \$ 1,146,285 \$ 193,036 \$	CMAQ/HSIP/TAP Min. HSIP Min. HSIP Min. HSIP Min. HSIP Min. TAP	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal to Eastern Federal Lands (National Park Service). Score 36. Varies by Funding Source + 20% Non-Federal - 20% Non-Federal

Amendment/	MassDOT			MassDOT	MassDOT	Funding	Total Programmed	Federal Funds	Non-Federal		
djustment Type ▼	Project ID ▼	мро ▼	Municipality Name ▼	Project Description ▼	District ▼	Source ▼	Funds ▼	▼	Funds ▼	Additional	Information ▼
					Statewide HSIP Prog	gram Subtotal ▶	\$ 450,021	\$ 405,019	\$ 45,002	■ 90% Federal + 10% Non-Federal	
Statewide Infrastr	ructure Program			No Projects Programmed			\$ -	\$ -	\$ -		
					ide Infrastructure Prog	gram Subtotal ▶				■ 80% Federal + 20% Non-Federal	
Statewide Intersta	ate Maintenance P	rogram								_	
				No Projects Programmed			\$ -				
				Statewide Interst	ate Maintenance Prog	gram Subtotal ▶	\$ -	-	-	■ 90% Federal + 10% Non-Federal	
Statewide Intellige	ent Transportation	Systems	1	No Projects Programmed			\$ -	(c)	\$ -		
				140 F Tojous F Togrammeu	Statewide	e ITS Subtotal ▶				■ 80% Federal + 20% Non-Federal	
Statewide Nationa	al Freight Program	1									
				No Projects Programmed			\$ -				
				Statewide	National Freight Prog	gram Subtotal ▶	\$ -	- \$	- \$	■ 80% Federal + 20% Non-Federal	
Statewide Nationa	al Highway Systen	n Preservati	on Program	No Projects Programmed			\$ -	\$ -	\$ -		
			1		IHS Preservation Prog	gram Subtotal >				■ 80% Federal + 20% Non-Federal	
Statewide Planning	ng Program										
Otatowao i iaiiiii	.g · · · og· u			No Projects Programmed			\$ -		- \$		
				Sta	atewide Planning Prog	gram Subtotal ▶	\$ -	- \$		■ 80% Federal + 20% Non-Federal	
Statewide Railroad	d Grade Crossing	s	1	lu p : p					1.0		
				No Projects Programmed State	wide RR Grade Cross	sings Subtotal ►	\$ -			■ 80% Federal + 20% Non-Federal	
Statewide Safe Ro	outes to Schools	Program				9	*				
Otatewide oaie itt	Course to octions	logium		No Projects Programmed			\$ -				
				Statewide Safe R	outes to Schools Prog	gram Subtotal >	\$ -	- \$		■ Funding Split Varies by Funding Source	
Statewide Stormw	vater Retrofits		1								
				No Projects Programmed	wide Stormwater Ret	rofite Subtotal >	\$ -			■ 80% Federal + 20% Non-Federal	
Statewide Transpo	ortation Enhancer	monte		State	wide otomiwater net	TOTALS CUDIOLGI P	Ψ	Ι Ψ	Ψ	4 00701 cuciai + 2070 Non-i cuciai	
Statewide Transpo	Ortation Emilancei	licits		No Projects Programmed			\$ -	- \$	- \$		
				Statewide Tran	sportation Enhancem	nents Subtotal >	\$ -	\$ -	- \$	■ 80% Federal + 20% Non-Federal	
Other Statewide It	tems										
				ABP GANS Repayment Award Adjustments, Change Orders, Project Value Changes	s Etc		\$ -		-		
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs	s, Ltc.		\$ -		-		
				Planning			\$ -		-		
				Statewide Design and Right of Way Statewide Recreational Trails			\$ -		-		
				Statewide Necreational Trails	Other Statewide I	tems Subtotal ▶				■ Funding Split Varies by Funding Source	
Section 2A / Non-F	Federal Projects										
Non Federal Aid		1		No Desirate Description	1	NEA	•		•		
		1	1	No Projects Programmed		NFA al Aid Subtotal▶	\$ - \$ -		\$ -	◀100% Non-Federal	
Section 2B / Non-F	Federal Bridge Pro	niects			110 1 Cucii		· -		· •		
Section 2B / Non-F		-									
Section 2D / NON-P	i euerai Driuge Pro	Jects .		No Projects Programmed		NFA	\$ -		\$ -		
					on-Federal Bridge Pro	ojects Subtotal▶				◀100% Non-Federal	
2010 C-	no Co	7 MD	O TID C	amary.			TIP Section 1:	TIP Section 2:	Total of All		
2019 CS	ape Coo		O TIP Sun	illiary			•	*	Projects ▼		
						Total N	\$ 10,555,984	¢.	\$ 10,555,984	▼ Total Spending in Region	
						ederal Funds ►		ъ -		■ Total Spending in Region ■ Total Federal Spending in Region	

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation 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. Split placing a project on 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. Split placing a project on 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. Split placing a project 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 Details Guidelines. Split place and the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects must be considered and the TIP, the Commonwealth is the Awarding Authority. Therefore, all projects

Amendment/	MassDOT			MassDOT		Funding	Total Programmed	Federal Fu		Non-Federal		
Adjustment Type ▼	Project ID ▼	MPO ▼	Municipality Name ▼	Project Description ▼	District ▼	Source ▼	Funds ▼	▼		Funds ▼	Additional	Information ▼
	eral Aid Target Pro	-										
HSIP - HIGHWAY	Safety Improvemer 607397	Cape Cod	Wellfleet	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	HSIP	\$ 458,51	4 \$ 412	,663	\$ 45,851		red with 12% inflation applied = \$2,240,448 = \$242,367 T/r + \$1,539,5678 STP. RSA conducted. Preliminary design. core = 82.
						HSIP Subtotal ▶	\$ 458,51	4 \$ 412	,663	\$ 45,851	◀ 90% Federal	+ 10% Non-Federal
CMAQ - Conges	ion Mitigation and	Air Quality Ir	mprovement Program									
	CC2000	Cape Cod	Regional	Cape Cod Bicycle Rack Program	5	CMAQ	\$ 100,00	0 \$ 80	,000	\$ 20,000	Total programm municipalities. S	ed = \$100,000. CMAQ analysis complete. Funds to be ap
	606900	Cape Cod	Bourne	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	5	CMAQ	\$ 1,046,28	5 \$ 837	,028	\$ 209,257	Total programm	red with 12% inflation = \$5,644,800 = \$1,046,285 CMQ + SISIP - RSA to be conducted. CMAQ analysis to be conducted.
						CMAQ Subtotal ▶	\$ 1,146,28	5 \$ 917	,028	\$ 229,257	1 -	+ 20% Non-Federal
TAP - Transport	ation Alternatives F	Program										
	607397	Cape Cod	Wellfleet	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	TAP	\$ 242,36	7 \$ 193	,894	\$ 48,473		red with 12% inflation applied = \$2,240,448 = \$242,367 T/ + \$1,539,5678 STP. RSA conducted. Preliminary design. sore = 82.
						TAP Subtotal ▶	\$ 242,36	7 \$ 193	,894	\$ 48,473	■ 80% Federal	+ 20% Non-Federal
Non-CMAQ/HSIF	/TAP (Other) 606900	Cape Cod	Bourne	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	5	STP	\$ 4,598,51	5 \$ 3,678	,812	\$ 919,703		red with 12% inflation = \$5,644,800 = \$1,046,285 CMQ + SISIP - RSA to be conducted. CMAQ analysis to be conducted.
	607397	Cape Cod	Wellfleet	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	STP	\$ 1,539,56	7 \$ 1,231	,654	\$ 307,913	Total programm	ed with 12% inflation applied = \$2,240,448 = \$242,367 T/ + \$1,539,5678 STP. RSA conducted. Preliminary design. ore = 82.
	607319	Cape Cod	Mashpee	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	STP	\$ 2,120,11	2 \$ 1,696	,090	\$ 424,022	applied = \$9,240 (\$319,725 TAP	DNSTRUCTION: Year 1 of 2. Total programmed with 12% 0,112 = \$2,120,112 in FFY2020 STP + \$7,120,000 in FFY + \$458,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP AQ analys to be completed. Municipality is the proponent.
ection 1A / Fise	al Constraint Anal	lysis		Total Federal Aid Total Non-CMAQ/H3	Target Fund		\$ 10,105,360	\$ 10,118	502	\$ 1,651,639 ■Total Target ■ Max. Non-	\$ 13,142	+ 20% Non-Federal Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available
Section 1A / Fise	al Constraint Anal	lysis		Total Federal Aid	Target Fund GIP/TAP (Othe Total HS	s Programmed ► r) Programmed ► IP Programmed ►	\$ 10,105,360 \$ 8,258,19 \$ 458,51	10,118 4 \$ 8,271 4 \$ 458	502 ,336	■Total Target ■ Max. Non- CMAQ/HSIP/TAP ■ Min. HSIP	\$ 13,142	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met
Section 1A / Fise	al Constraint Anal	lysis		Total Federal Aid	Target Fund SIP/TAP (Othe Total HS Total CMA	s Programmed ► r) Programmed ►	\$ 10,105,360 \$ 8,258,19 \$ 458,51 \$ 1,146,28	0 \$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146	,336 ,514 ,285	◆Total Target ◆ Max. Non- CMAQ/HSIP/TAP	\$ 13,142 \$ 13,142	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available
				Total Federal Aid Total Non-CMAQ/HS	Target Fund SIP/TAP (Othe Total HS Total CMA Total TA	s Programmed ► r) Programmed ► IP Programmed ► Q Programmed ►	\$ 10,105,360 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36	0 \$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146	,336 ,514 ,285	■Total Target ■ Max. Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ	\$ 13,142 \$ 13,142	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met
Section 1B / Fec	eral Aid Bridge Pro	ojects		Total Federal Aid Total Non-CMAQ/HS	Target Fund SIP/TAP (Othe Total HS Total CMA Total TA	s Programmed ► r) Programmed ► IP Programmed ► Q Programmed ► P Programmed ►	\$ 10,105,360 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36	0 \$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146	,336 ,514 ,285	■Total Target ■ Max. Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ	\$ 13,142 \$ 13,142	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met
Section 1B / Fec		ojects	ı	Total Federal Aid Total Non-CMAQ/HS	Target Fund SIP/TAP (Othe Total HS Total CMA Total TA	s Programmed ► r) Programmed ► IP Programmed ► Q Programmed ► P Programmed ►	\$ 10,105,36(\$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ -	0 \$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146	,336 ,514 ,285	■Total Target ■ Max. Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP	\$ 13,142 \$ 13,142 \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met
Section 1B / Fec Statewide Syste	eral Aid Bridge Pro	ojects		Total Federal Aid Total Non-CMAQ/HS	Target Fund SIP/TAP (Other Total HS Total CMA Total TA sining HSIP, CM	s Programmed ▶ r) Programmed ▶ IP Programmed ▶ Q Programmed ▶ P Programmed ▶ IP AQ, and TAP Funds	\$ 10,105,36(\$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ -	0 \$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146 7 \$ 242	502 ,336 ,514 ,285 ,367	■Total Target ■ Max. Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP	\$ 13,142 \$ 13,142 \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met
Section 1B / Fec Statewide Syste	eral Aid Bridge Pro	ojects		Total Federal Aid Total Non-CMAQ/HS Rem No Projects Programmed Statewide Bridge M	Target Fund SIP/TAP (Other Total HS Total CMA Total TA sining HSIP, CM	s Programmed ▶ r) Programmed ▶ IP Programmed ▶ Q Programmed ▶ P Programmed ▶ IP AQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ -	10,118	502 ,336 ,514 ,285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP	\$ 13,142 \$ 13,142 \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met
Section 1B / Fec Statewide Syste	eral Aid Bridge Pro	ojects		Total Federal Aid Total Non-CMAQ/H: Rem No Projects Programmed	Target Fund SIP/TAP (Othe Total HS Total CMA Total TA sining HSIP, CM	s Programmed ▶ r) Programmed ▶ IP Programmed ▶ Q Programmed ▶ P Programmed ▶ IP AQ, and TAP Funds	\$ 10,105,36(\$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ -	0 \$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146 7 \$ 242	502 ,336 ,514 ,285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S S S S S S S S S S S S S S S S S S	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met
Section 1B / Fec Statewide Syste On System	eral Aid Bridge Pro	ojects		Total Federal Aid Total Non-CMAQ/HS Rem No Projects Programmed No Projects Programmed No Projects Programmed	Target Fund SIP/TAP (Othe Total HS Total CMA Total TA sining HSIP, CM	s Programmed > r) Programmed > IP Programmed > Q Programmed > P Programmed > A Programmed > IAQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ -	10 \$ 10,118	502 ,336 ,514 ,285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ - \$ \$ - \$ \$ - \$	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Section 1B / Fec Statewide Syste On System	eral Aid Bridge Pro	ojects		Total Federal Aid Total Non-CMAQ/HS Rem No Projects Programmed Statewide Bridge M	Target Fund IP/TAP (Othe Total HS Total CMA Total TAs aining HSIP, CM On S	s Programmed > r) Programmed > IP Programmed > Q Programmed > P Programmed > A Programmed > IAQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ -	0 \$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146 7 \$ 242	502 ,336 ,514 ,285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S S S S S S S S S S S S S S S S S S	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Section 1B / Fec Statewide Syste On System	eral Aid Bridge Pro	ojects e Program		No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed	Target Fund IP/TAP (Othe Total HS Total CMA Total TAs aining HSIP, CM On S	s Programmed > r) Programmed > IP Programmed > P Programmed > IAQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ -	\$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146 7 \$ 242	502 ,336 ,514 ,285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S S S S S S S S S S S S S S S S S S	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Section 1B / Fec Statewide Syste On System	eral Aid Bridge Pro matic Maintenance	ojects e Program		No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed	Target Fund IP/TAP (Other Total HS Total CMA Total TA Sining HSIP, CM On S Off-S	s Programmed ▶ r) Programmed ▶ IP Programmed ▶ IP Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ -	\$ 10,118	502 ,336 ,514 ,2285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge	eral Aid Bridge Promatic Maintenance	ojects Program		No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed	Target Fund IP/TAP (Other Total HS Total CMA Total TA Sining HSIP, CM On S Off-S	s Programmed > r) Programmed > IP Programmed > P Programmed > IAQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ -	\$ 10,118 4 \$ 8,271 4 \$ 458 5 \$ 1,146 7 \$ 242	502 ,336 ,514 ,285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targe	ojects Program		No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed	Target Fund IP/TAP (Other Total HS Total CMA Total TA Sining HSIP, CM On S Off-S	s Programmed ▶ r) Programmed ▶ IP Programmed ▶ IP Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ -	\$ 10,118	502 ,336 ,514 ,2285 ,367	■Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targe	ojects Program		No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed	Target Fund IP/TAP (Other Total HS Total CMA Total TA Total TA Total TA Sining HSIP, CM On S Off-S	s Programmed > r) Programmed > Programmed > Programmed > Q Programmed > Q Programmed > A Program	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118	502 ,336 ,514 ,2285 ,367	■ Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S - S - S - S - S - S - S - S - S - S	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targe	ojects Program		No Projects Programmed Statewide Bridge M No Projects Programmed Statewide Bridge M	Target Fund IP/TAP (Other Total HS Total CMA Total TA Total TA Total TA Sining HSIP, CM On S Off-S	s Programmed ▶ r) Programmed ▶ IP Programmed ▶ IP Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118	502 ,336 ,514 ,285 ,367	■ Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S - S - S - S - S - S - S - S - S - S	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec Other Federal A	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targe	ojects e Program	y Projects	No Projects Programmed Statewide Bridge M No Projects Programmed Statewide Bridge M	Target Fund IP/TAP (Other Total HS Total CMA Total TA Total TA Total TA Sining HSIP, CM On S Off-S	s Programmed > r) Programmed > Programmed > Programmed > Q Programmed > Q Programmed > A Program	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118	502 ,336 ,514 ,285 ,367	■ Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S - S - S - S - S - S - S - S - S - S	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec Other Federal A	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targed	ojects e Program	/ Projects	No Projects Programmed Statewide Bridge M Statewide Bridge M No Projects Programmed No Projects Programmed Statewide Bridge M No Projects Programmed No Pro	Target Fund IP/TAP (Other Total HS Total CMA Total TA Total TA Total TA Sining HSIP, CM On S Off-S	s Programmed > r) Programmed > Programmed > Programmed > Q Programmed > Q Programmed > A Program	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118	502 ,336 ,514 ,285 ,367	■ Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP S - S - S - S - S - S - S - S - S - S	\$ 13,142 \$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec Other Federal A Section 1D / Fec Regional Major I	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targed d eral Aid Major & St	ojects Program et Projects tate Category	I	Total Federal Aid Total Non-CMAQ/H: Rem No Projects Programmed	Target Fund IP/TAP (Other Total HS Total CMA Total TA Total TA Total TA On S Off-S Inspection Pr	s Programmed > r) Programmed > Programmed > Programmed > Q Programmed > Q Programmed > A Program	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ \$ \$ \$ \$ \$ \$ \$ -	\$ 10,118	502 ,336 ,514 ,285 ,367	■ Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$	\$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec Other Federal A Section 1D / Fec Regional Major I Statewide Amer	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targed d eral Aid Major & St infrastructure cans with Disability	ojects Program et Projects ty Act Implem	nentation Plan	Total Federal Aid Total Non-CMAQ/H: Rem No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Programmed Regiona No Projects Programmed	Target Fund IP/TAP (Other IP/TAP (Other Total HS Total CMA Total TA Total TA Total TA Total TA Total TA Inining HSIP, CM Off-S Off-S Off-S Other Fede	s Programmed > r) Programmed > Programmed > Q Program Subtotal > Q Progr	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ \$ \$ \$ \$ \$ \$ \$ -	\$ 10,118	502 ,336 ,514 ,285 ,367	■ Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$	\$ 13,142 \$ 13,142 \$ 13,142 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal Varies by Funding Source
Section 1B / Fec Statewide Syste On System Off-System Statewide Bridge Section 1C / Fec Other Federal A Section 1D / Fec Regional Major I	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targed d eral Aid Major & St	ojects Program et Projects ty Act Implem	nentation Plan	No Projects Programmed	Target Fund IP/TAP (Other IP/TAP (Other Total HS Total CMA Total TA Total TA Total TA Total TA Total TA Inining HSIP, CM Off-S Off-S Off-S Other Fede	s Programmed > r) Programmed > Programmed > Programmed > Q Program Subtotal > Q P	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118	502 ,336 ,514 ,285 ,367	▼Total Target ▼ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. CMAQ ■ Min. TAP \$ - \$ \$	\$ 13,142 \$ 13,142 \$ 13,142 \$ - 13	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal Varies by Funding Source
Section 1B / Fec Statewide System On System Off-System Statewide Bridge Section 1C / Fec Other Federal A Section 1D / Fec Regional Major I	eral Aid Bridge Promatic Maintenance Inspection Program eral Aid Non-Targed d eral Aid Major & St infrastructure cans with Disability estion Mitigation a	ojects Program et Projects ty Act Implem	nentation Plan	Total Federal Aid Total Non-CMAQ/H: Rem No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Statewide Bridge M No Projects Programmed No Projects Programmed Regiona No Projects Programmed	Target Fund IP/TAP (Other IP/TAP (Other Total HS Total CMA Total TA Total TA Inining HSIP, CM On S Off-S Off-S Other Fede Major Infrasti	s Programmed > r) Programmed > Programmed > Programmed > Q Program Subtotal > Q P	\$ 10,105,366 \$ 8,258,19 \$ 458,51 \$ 1,146,28 \$ 242,36 \$ \$ \$ \$ \$ \$ \$ \$ -	\$ 10,118	502 ,336 ,514 ,285 ,367	■ Total Target ■ Max Non- CMAQ/HSIP/TAP ■ Min. HSIP ■ Min. TAP ■ Min. TAP \$ -	\$ 13,142 \$ 13,142 \$ 13,142 \$	Target Funds Available Non-CMAQ/HSIP/TAP (Other) Available HSIP Recommended Met CMAQ Recommended Met TAP Recommended Met + 20% Non-Federal + 20% Non-Federal + 20% Non-Federal Varies by Funding Source

mendment/ djustment Type ▼	MassDOT Project ID ▼	мро ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
Statewide Infrastru	cture Program	1		N. B. Carlotte B. Carlotte						
				No Projects Programmed Statewide	Infrastructure Pr	ogram Subtotal ▶	\$ - \$ -	\$ - \$ -		■ 80% Federal + 20% Non-Federal
Statewide Interstat	- M-: D			Satomas	aou aouaro i	ogram oubtotal P		1 4	ΙΨ	4 55 // 1 545/41 1 545/41
Statewide interstat	e Maintenance P	rogram		No Projects Programmed			S -	- S	\$ -	
				Statewide Interstate	Maintenance Pr	ogram Subtotal >	\$ -	\$ -	\$ -	■ 90% Federal + 10% Non-Federal
Statewide Intelliger	nt Transportation	n Systems								
				No Projects Programmed				\$ -		
					Statewi	de ITS Subtotal ▶	\$ -	\$ -		◀ 80% Federal + 20% Non-Federal
Statewide National	Freight Program	1	1	No Projects Programmed		1	\$ -	\$ -	\$ -	
	l		1		tional Freight Pr	□ ogram Subtotal ▶		\$ -		■ 80% Federal + 20% Non-Federal
Statewide National	Highway Syston	n Drocorvati	on Drogram			-9	7		1.7	
Ctatewide National	Ingilway Cyster	iii icaci vati	Jiri rogium	No Projects Programmed			\$ -	- \$	-	
				Statewide NHS	Preservation Pr	ogram Subtotal >	\$ -	\$ -	\$ -	■ 80% Federal + 20% Non-Federal
Statewide Planning	Program									
				No Projects Programmed	i I Di i i i	0.11.1.1		\$ -		
				Statev	vide Planning Pr	ogram Subtotal >	-	\$ -		■ 80% Federal + 20% Non-Federal
Statewide Railroad	Grade Crossing	S	1	No Projects Programmed		1	\$ -	\\$ -	S -	
					e RR Grade Cro	ssings Subtotal >		\$ -		■ 80% Federal + 20% Non-Federal
Statewide Safe Ro	utes to Schools	Program				9				
Clatewide Gale ito	dies to ochools	riogram		No Projects Programmed			\$ -	- \$	-	
				Statewide Safe Route	es to Schools Pr	ogram Subtotal >	\$ -	\$ -	\$ -	■ Funding Split Varies by Funding Source
Statewide Stormwa										
	608598	CAPE COD	ORLEANS	ORLEANS - STORMWATER IMPROVEMENTS ALONG ROUT 28	E 5	STP-TE	\$ 407,350	\$ 325,880	\$ 81,470	This project is in the preliminary design phase. Score = 36.
					e Stormwater Re	etrofits Subtotal >	\$ 407,350	\$ 325,880	\$ 81.470	■ 80% Federal + 20% Non-Federal
Statewide Transpo	rtation Enhance	monte						, , , , , , , , , , , , , , , , , , , ,		
Otatewide Transpo	Tution Elinance	licito		No Projects Programmed			\$ -	\$ -	\$ -	
				Statewide Transpo	rtation Enhance	ments Subtotal >	\$ -	\$ -	\$ -	■ 80% Federal + 20% Non-Federal
Other Statewide Ite	ms									
				ABP GANS Repayment			· -	\$ -		
				Award Adjustments, Change Orders, Project Value Changes, Ed	IC.		\$ -	\$ -	\$ -	
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			\$ -	\$ -	\$ -	
				Planning Statewide Design and Right of Way			\$ - \$ -	\$ -	\$ -	
				Statewide Recreational Trails			\$ -		\$ -	
					Other Statewide	Items Subtotal >		\$ -		■ Funding Split Varies by Funding Source
Section 2A / Non-Fe	ederal Projects									
Non Federal Aid									1-	
	<u> </u>			No Projects Programmed	Non Ead	NFA eral Aid Subtotal▶	\$ - \$ -	1	\$ -	◀100% Non-Federal
Coation 2D / New C	adaral Bridge De	olooto			Non-reut	Jai Alu Subiolai	-	1	- · ·	
Section 2B / Non-Fe	_									
Section 2B / Non-F	ederal Bridge Pr	ojects		No Projects Programmed		NFA	\$ -		\$ -	
				Section 2B / Non-F	Federal Bridge P					■100% Non-Federal
					. 3			TIP Section 2:	Total of All	<u> </u>
2020 じょ	ne Co	d MP	O TIP Sun	nmary			▼	▼	Projects ▼	
2020 Ca										

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 by projects where the Municipality is the Awarding Authority. For all projects contained in the TIP, the Commonwealth is although additional information of the Regulation of the Road in International Public Public Road of the Road in International Public Road of the Road International Public Road of the Road International Public Road Internat

mendment/	MassDOT			MassDOT		Funding	Total Programmed	Federal Funds		al		
djustment Type ▼	Project ID ▼	мро ▼	Municipality Name ▼	Project Description ▼	District ▼	Source ▼	Funds ▼	▼	Funds ▼		Additional	Information ▼
	eral Aid Target Pro											
HSIP - Highway S	Safety Improvemer 607319	Cape Cod	Mashpee	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK	5	HSIP	\$ 458,514	\$ 412,66	3 \$	45,851	ADVANCED CONSTR	UCTION: Year 2 of 2. Total programmed with 12% inflati
				ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.								\$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021
				ROTARY TO FALMOUTH T.L.								,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA lyis to be completed. Municipality is the proponent. Score
						HSIP Subtotal ▶	\$ 458,514	\$ 412,66	e e	45 951	◀ 90% Federal + 10%	
						TIOIF Subtotal P	Ψ 430,314	ψ 412,00	Ψ	40,001	30701 edelal 1 1070	Non-receial
CMAQ - Congest	ion Mitigation and CC2000	Air Quality Ir Cape Cod	nprovement Program	Cape Cod Bicycle Rack Program	5	CMAQ	\$ 100,000	\$ 80,00	2 1	20.000	Total programmed = \$1	100,000. CMAQ analysis complete. Funds to be applied
	002000	Oupc oou	regional	Oupe God Bioyele Nack Frogram		OWN	Ψ 100,000	Ψ 00,00	, I &	20,000	municipalities. Score =	
	607319	Cape Cod	Mashpee	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK	5	CMAQ	\$ 1,046,285	\$ 837,02	3 \$:	209,257	ADVANCED CONSTR	UCTION: Year 2 of 2. Total programmed with 12% inflati
				ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.								: \$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021 ,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA
				ROTART TO PALMOOTH T.E.								lyis to be completed. Municipality is the proponent. Score
						CMAQ Subtotal ►	\$ 1,146,285	\$ 917,02	3 \$		■ 80% Federal + 20%	
							, , , , , ,	, , , , , , , , , , , , , , , , , , , ,		-,-		
AP - Transporta	tion Alternatives F 607319		Mashpee	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK	5	TAP	\$ 319,725	\$ 255,78) \$	63,945	ADVANCED CONSTR	UCTION: Year 2 of 2. Total programmed with 12% inflat
				ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE			, , , ,				applied = \$9,240,112 =	\$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021
				ROTARY TO FALMOUTH T.L.								,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RS lyis to be completed. Municipality is the proponent. Scor
						TAD Cubtotal >	¢ 210.725	\$ 255,78	\ e	62.045	■ 80% Federal + 20%	
	T.D. (OU)					TAP Subtotal ▶	\$ 319,725	\$ 200,78) Þ	63,945	■ 80% Federal + 20%	Non-rederal
Non-CMAQ/HSIP/	607319	Cape Cod	Mashpee	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK	5	STP	\$ 5,295,476	\$ 4,236,38	\$ 1.0	059.095	ADVANCED CONSTR	UCTION: Year 2 of 2. Total programmed with 12% inflat
				ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE					'		applied = \$9,240,112 =	\$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021
				ROTARY TO FALMOUTH T.L.								,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA lyis to be completed. Municipality is the proponent. Score
		00.1	OL III	QUATUAM INTEROSCION IMPROVEMENTO A RELATER	-	OTD	0.704.000	0.007.00		550 000		· · · · · · · · · · · · · · · · · · ·
	607405	Cape Cod	Cnatnam	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN	5	STP	\$ 2,784,000	\$ 2,227,20) \$	556,800	Municipality is proponer	n 16% inflation applied = \$2,784,0000. Preliminary designt. Score = 76
											INIUITICIPALITY IS PROPORTED	
ection 1A / Fisc	al Constraint Anal	ysis		ANNE BOAD AND CROWELL BOAD	Target Fund	Other) Subtotal s Programmed r) Programmed		\$ 6,463,58 \$ 10,118,502 \$ 8,193,97	⊲Total Ta	rget	■ 80% Federal + 20% \$ 114,502 Target	
Section 1A / Fisc	al Constraint Anal	ysis	<u> </u>	Non-CMAI	Farget Fund P/TAP (Othe	s Programmed ► r) Programmed ►	\$ 10,004,000	\$ 10,118,502	■Total Tai Max. No CMAQ/HSI	rget n- P/TAP	■ 80% Federal + 20% \$ 114,502 Targg \$ 114,502 Non-4	Non-Federal et Funds Available
Section 1A / Fisc	al Constraint Anal	ysis		Non-CMAI	Farget Fund P/TAP (Othe Total HS Total CMA	s Programmed ► r) Programmed ► P Programmed ► Q Programmed ►	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28	■Total Tal ■ Max. No CMAQ/HSII ■ Min. HSI ■ Min. CM.	rget n- P/TAP IP AQ	■ 80% Federal + 20% \$ 114,502 Targg \$ 114,502 Non-1 \$ - HSIP \$ - CMAI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met
Section 1A / Fisc	al Constraint Anal	ysis		Non-CMAI Total Federal Aid Total Non-CMAQ/HS	Farget Fund P/TAP (Othe Total HS Total CMA Total TA	s Programmed ► r) Programmed ► P Programmed ► Q Programmed ► P Programmed ►	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28	■Total Tai ■ Max. No CMAQ/HSII	rget n- P/TAP IP AQ	■ 80% Federal + 20% \$ 114,502 Targg \$ 114,502 Non-1 \$ - HSIP \$ - CMAI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met
				Non-CMAI Total Federal Aid Total Non-CMAQ/HS	Farget Fund P/TAP (Othe Total HS Total CMA Total TA	s Programmed ► r) Programmed ► P Programmed ► Q Programmed ►	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28	■Total Tal ■ Max. No CMAQ/HSII ■ Min. HSI ■ Min. CM.	rget n- P/TAP IP AQ	■ 80% Federal + 20% \$ 114,502 Targg \$ 114,502 Non-1 \$ - HSIP \$ - CMAI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met
Section 1B / Fede	eral Aid Bridge Pro	ojects		Non-CMAI Total Federal Aid Total Non-CMAQ/HS	Farget Fund P/TAP (Othe Total HS Total CMA Total TA	s Programmed ► r) Programmed ► P Programmed ► Q Programmed ► P Programmed ►	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28	■Total Tal ■ Max. No CMAQ/HSII ■ Min. HSI ■ Min. CM.	rget n- P/TAP IP AQ	■ 80% Federal + 20% \$ 114,502 Targg \$ 114,502 Non-1 \$ - HSIP \$ - CMAI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met
Section 1B / Fede		ojects		Non-CMAQ Total Federal Aid Total Non-CMAQ/HS Rema	Farget Fund P/TAP (Other Total HS Total CMA Total TA	s Programmed ▶ r) Programmed ▶ P Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72	■Total Tai Max. No CMAQ/HSI Min. HSI Min. CM. Min. TAF	rget n- P/TAP IP AQ	\$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMAR \$ - TAPI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met
Section 1B / Fede Statewide Syster	eral Aid Bridge Pro	ojects		Non-CMAI Total Federal Aid Total Non-CMAQ/HS	Farget Fund P/TAP (Other Total HS Total CMA Total TA	s Programmed ▶ r) Programmed ▶ P Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72	■Total Tai Max. No CMAQ/HSI Min. HSI Min. CM. Min. TAF	rget n- P/TAP IP AQ	■ 80% Federal + 20% \$ 114,502 Targg \$ 114,502 Non-1 \$ - HSIP \$ - CMAI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met
Section 1B / Fede Statewide Syster	eral Aid Bridge Pro	ojects		Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Ma	Farget Fund P/TAP (Other Total HS Total CMA Total TA	s Programmed ▶ r) Programmed ▶ P Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72	■Total Tai Max. No CMAQ/HSII Min. HSI Min. CM. Min. TAF	rget n- P/TAP IP AQ	\$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMAR \$ - TAPI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met
Section 1B / Fede Statewide Syster	eral Aid Bridge Pro	ojects		Non-CMAQ Total Federal Aid Total Non-CMAQ/HS Rema	Farget Fund P/TAP (Other Total HS Total CMA Total TA ining HSIP, CM	s Programmed ▶ r) Programmed ▶ P Programmed ▶ Q Programmed ▶ P Programmed ▶ P Programmed ▶ IAQ, and TAP Funds	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ -	■Total Tai Max. No CMAQ/HSII Min. HSI Min. CM. Min. CM. Min. TAF	rget n- P/TAP IP AQ P	\$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMAR \$ - TAPI	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal
Section 1B / Fede Statewide Syster On System	eral Aid Bridge Pro matic Maintenance	ojects Program		Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Ma	Target Fund P/TAP (Othe Total HS Total CMA Total T/ Total T/ Total T/ Inining HSIP, CM	s Programmed > r) Programmed > P Programmed > Q Programmed > Q Programmed > P P Programmed > P P Programmed > P P Programmed > P P P P P P P P P P P P P P P P P P	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ -	■ Total Tal ■ Max. No. CMAQ/HSII ■ Min. Tal ■ Min. Tal ■ Min. Tal S S S	rget	■ 80% Federal + 20% \$ 114,502 Targr \$ 114,502 Non-1 \$ - HSIP \$ - CMAr \$ - TAP ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Peccommended Met Q Recommended Met Recommended Met Non-Federal
Section 1B / Fede Statewide Syster On System	eral Aid Bridge Pro	ojects	HARWICH	Non-CMAN Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Ma No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE	Target Fund P/TAP (Othe Total HS Total CMA Total T/ Total T/ Total T/ Inining HSIP, CM	s Programmed > r) Programmed > P Opposite the programmed > P AGO, and TAP Funds	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ -	■ Total Tal ■ Max. No. CMAQ/HSII ■ Min. Tal ■ Min. Tal ■ Min. Tal S S S	rget	■ 80% Federal + 20% \$ 114,502 Targr \$ 114,502 Non-1 \$ - HSIP \$ - CMAr \$ - TAP ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal
Section 1B / Fede Statewide Syster On System	eral Aid Bridge Pro matic Maintenance	ojects Program	HARWICH	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Ma	Target Fund P/TAP (Othe Total HS Total CMA Total TA Total TA Inining HSIP, CN On S	s Programmed > r) Programmed > P Programmed > Q Programmed > Q Programmed > P P Programmed > P P Programmed > P P Programmed > P P P P P P P P P P P P P P P P P P	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ \$ - \$ \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ -	■Total Tai ■ Max. No CMAQ/HSI ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- P/TAP IP AQ P	■ 80% Federal + 20% \$ 114,502 Targr \$ 114,502 Non-1 \$ - HSIP \$ - CMAr \$ - TAP ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36.
Section 1B / Fede Statewide Syster On System Off-System	eral Aid Bridge Pronatic Maintenance	ojects Program	HARWICH	Non-CMAN Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Ma No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE	Target Fund P/TAP (Othe Total HS Total CMA Total TA Total TA Inining HSIP, CN On S	s Programmed > r) Programmed >	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ \$ - \$ \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ -	■Total Tai ■ Max. No CMAQ/HSI ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- P/TAP IP AQ P	■ 80% Federal + 20% \$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMA: \$ - TAP! ■ 80% Federal + 20% This project is in the pre-	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36.
Section 1B / Fede Statewide Syster On System	eral Aid Bridge Pronatic Maintenance	ojects Program	HARWICH	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed	Target Fund P/TAP (Othe Total HS Total CMA Total CMA Total TS On S	s Programmed > r) Programmed > P Pro	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ 1,043,768 \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01	■Total Tai ■ Max. No CMAQ/HSI ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- P/TAP IIP AQ P 208,754	■ 80% Federal + 20% \$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMAN \$ - TAP! ■ 80% Federal + 20% This project is in the pre	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36.
Section 1B / Fede Statewide Syster On System	eral Aid Bridge Pronatic Maintenance	ojects Program	HARWICH	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed	Target Fund P/TAP (Othe Total HS Total CMA Total CMA Total TS On S	s Programmed > r) Programmed >	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ 1,043,768 \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01	■Total Tai ■ Max No CMAQ/HSI ■ Min. HSI ■ Min. CM ■ Min. CM ■ Min. TAF	rget n- P/TAP IIP AQ P 208,754	■ 80% Federal + 20% \$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMA: \$ - TAP! ■ 80% Federal + 20% This project is in the pre-	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Recommended Met Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36.
Section 1B / Fede Statewide Syster On System Off-System Statewide Bridge In	eral Aid Bridge Pronatic Maintenance	Program CAPE COD	HARWICH	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed	Target Fund P/TAP (Othe Total HS Total CMA Total CMA Total TS On S	s Programmed > r) Programmed > P Pro	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ 1,043,768 \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01	■Total Tai ■ Max. No CMAQ/HSI ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- P/TAP IIP AQ P 208,754	■ 80% Federal + 20% \$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMAN \$ - TAP! ■ 80% Federal + 20% This project is in the pre	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Recommended Met Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36.
Section 1B / Fede Statewide Syster On System Off-System Statewide Bridge In	eral Aid Bridge Pro natic Maintenance 608617 sspection Program	Program CAPE COD	HARWICH	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge Statewide Bridge	Target Fund P/TAP (Othe Total HS Total CMA Total CMA Total TS On S	s Programmed > r) Programmed > P Pro	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ 1,043,768	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01 \$ 835,01	■Total Tail ■ Max. No CMAQ/HSII ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- P/TAP IIP AQ P 208,754	■ 80% Federal + 20% \$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMAN \$ - TAP! ■ 80% Federal + 20% This project is in the pre	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Recommended Met Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36.
Section 1B / Fede Statewide Syster On System Off-System Statewide Bridge In	eral Aid Bridge Pro natic Maintenance 608617 sspection Program	Program CAPE COD	HARWICH	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA To	s Programmed > r) Programmed > P rogrammed > P Programmed > P Prog	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ - \$ 835,01 \$ 835,01	■Total Tai ■ Max. No CMAQ/HSI ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- P/T/AP IP AQ P	■ 80% Federal + 20% \$ 114,502 Target \$ 114,502 Non-1 \$ - HSIP \$ - CMAN \$ - TAPI ■ 80% Federal + 20% ■ 80% Federal + 20% ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal
Section 1B / Fedr Statewide System On System Off-System Statewide Bridge Ir Section 1C / Fedr Other Federal Aid	eral Aid Bridge Pro natic Maintenance 608617 608617 eral Aid Non-Targe	Program CAPE COD		Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge Statewide Bridge	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA To	s Programmed > r) Programmed > P Pro	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ - \$ 835,01 \$ 835,01	■Total Tail ■ Max. No CMAQ/HSII ■ Min. HSII ■ Min. CM ■ Min. CM ■ Min. Tail ■ S ■ S ■ S ■ S ■ S ■ S ■ S ■ S	rget n- P/T/AP IP AQ P	■ 80% Federal + 20% \$ 114,502 Targ: \$ 114,502 Non-1 \$ - HSIP: \$ - CMAN \$ - TAP! ■ 80% Federal + 20% This project is in the pre	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal
Section 1B / Fede Statewide Syster On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid	eral Aid Bridge Pro natic Maintenance 608617 spection Program and Aid Non-Targe	Program CAPE COD		Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge Statewide Bridge	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA To	s Programmed > r) Programmed > P rogrammed > P Programmed > P Prog	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ - \$ 835,01 \$ 835,01	■Total Tail ■ Max. No CMAQ/HSII ■ Min. HSII ■ Min. CM ■ Min. CM ■ Min. Tail ■ S ■ S ■ S ■ S ■ S ■ S ■ S ■ S	rget n- P/T/AP IP AQ P	■ 80% Federal + 20% \$ 114,502 Target \$ 114,502 Non-1 \$ - HSIP \$ - CMAN \$ - TAPI ■ 80% Federal + 20% ■ 80% Federal + 20% ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal
Section 1B / Fede Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid	eral Aid Bridge Pro natic Maintenance 608617 spection Program and Aid Non-Targe	Program CAPE COD		Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge No Projects Programmed	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA To	s Programmed > r) Programmed > P rogrammed > P Programmed > P Prog	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ 1,043,768 \$ 1,043,768 \$ - \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01 \$ - \$ -	■Total Tai ■ Max. No CMAQ/HSI ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- P/T/AP IP AQ P	■ 80% Federal + 20% \$ 114,502 Target \$ 114,502 Non-1 \$ - HSIP \$ - CMAN \$ - TAPI ■ 80% Federal + 20% ■ 80% Federal + 20% ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal
- Section 1B / Federal Airc	eral Aid Bridge Pro natic Maintenance 608617 spection Program and Aid Non-Targe	Program CAPE COD		Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge No Projects Programmed	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA On S Off-S Off-S Off-S Other Fede	s Programmed > r) Programmed > P rogrammed > P Programmed > P Prog	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ 1,043,768 \$ 1,043,768	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01 \$ - \$ -	■Total Tail ■ Max. No CMAQ/HSII ■ Min. HSII ■ Min. CM. ■ Min. CM. ■ Min. Tair ■ S ■ S ■ S ■ S ■ S ■ S ■ S	rget n- PPTAP IP AQ	■ 80% Federal + 20% \$ 114,502 Target \$ 114,502 Non-1 \$ - HSIP \$ - CMAN \$ - TAPI ■ 80% Federal + 20% ■ 80% Federal + 20% ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal Non-Federal
Section 1B / Fede Statewide System On System Off-System Statewide Bridge Ir Section 1C / Fede Other Federal Aid Section 1D / Fede Regional Major Ir	eral Aid Bridge Pro natic Maintenance 608617 spection Program and Aid Non-Targe	Program CAPE COD tt Projects ate Category	Projects	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge No Projects Programmed Regional	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA On S Off-S Off-S Off-S Other Fede	s Programmed > r) Programmed > P Programmed > STP-BR-OFF System Subtotal > STP-BR-OFF System Subtotal > STP-BR-OFF System Subtotal > STP-BR-OFF	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ 1,043,768 \$ 1,043,768 \$ - \$ - \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	■Total Tail ■ Max. No CMAQ/HSIL ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- PPTAP IP AQ	■ 80% Federal + 20% ■ 114,502 Target ■ 114,502 Non-1 ■ 14,502 Non-1 ■ - HSIP ■ - CMA* ■ - TAP I ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal Non-Federal
Section 1B / Fede Statewide System On System Statewide Bridge Ir Section 1C / Fede Other Federal Aid Section 1D / Fede Regional Major Ir	608617 608617 arai Aid Non-Targe di Aid Major & St offrastructure	Program CAPE COD tt Projects ate Category	Projects	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Mc No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge No Projects Programmed Regional No Projects Programmed	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA Total TA Total TA Total TA Total TA Total TA On S Off-S Off-S Off-S Other Fede	s Programmed > r) Programmed > P Programmed > STP-BR-OFF System Subtotal > STP-BR-OFF	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01 \$ - \$ - \$ - \$ -	■Total Tai ■ Max. No CMAQ/HSI ■ Min. HSI ■ Min. TAF S S S S S S S S S S S S S S S S S S	rget	■ 80% Federal + 20% \$ 114,502 Target \$ 114,502 Non-1 \$ - HSIP \$ - CMA* \$ - TAPI ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal Non-Federal Non-Federal Non-Federal
Section 1B / Fede Statewide Syster On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid Section 1D / Fede Regional Major In Statewide America	608617 608617 spection Program eral Aid Non-Targe fifastructure	CAPE COD CAPE COD ate Category y Act Implem	Projects entation Plan	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Mc No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge No Projects Programmed Regional No Projects Programmed	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TA Total TA Total TA Total TA Total TA Total TA On S Off-S Off-S Off-S Other Fede	s Programmed > r) Programmed > P Programmed > STP-BR-OFF System Subtotal > STP-BR-OFF System Subtotal > STP-BR-OFF System Subtotal > STP-BR-OFF	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ - \$ 835,01 \$ 835,01 \$ - \$ - \$ - \$ -	■Total Tail ■ Max. No CMAQ/HSIL ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget	■ 80% Federal + 20% ■ 114,502 Target ■ 114,502 Non-1 ■ 14,502 Non-1 ■ - HSIP ■ - CMA* ■ - TAP I ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Recommended Met Q Recommended Met Recommended Met Non-Federal Non-Federal eliminary design phase. Score = 36. Non-Federal Non-Federal Non-Federal Non-Federal
Section 1B / Fede Statewide System On System Off-System Statewide Bridge In Section 1C / Fede Other Federal Aid Section 1D / Fede Regional Major In Statewide America	608617 608617 aral Aid Non-Targe at Aid Major & St offrastructure	CAPE COD At Projects ate Category y Act Implem and Air Qualit	Projects entation Plan	Non-CMA Total Federal Aid Total Non-CMAQ/HS Rema No Projects Programmed Statewide Bridge Mc No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER No Projects Programmed Statewide Bridge No Projects Programmed Regional No Projects Programmed	Target Fund P/TAP (Othe P/TAP (Othe Total HS Total CMA Total TS Total CMA Total TS On S Off-S Off-S Other Fede Major Infrast	s Programmed > r) Programmed > P Programmed > STP-BR-OFF System Subtotal > STP-BR-OFF	\$ 10,004,000 \$ 8,079,476 \$ 458,514 \$ 1,146,285 \$ 319,725 \$ - \$ - \$ - \$ 1,043,768 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 10,118,502 \$ 8,193,97 \$ 458,51 \$ 1,146,28 \$ 319,72 \$ - \$ - \$ 835,01 \$ 835,01 \$ - \$ - \$ - \$ - \$ -	■Total Tail ■ Max. No CMAQ/HSIL ■ Min. HSI ■ Min. CM. ■ Min. TAF	rget n- n- PPTAP IP AQ	■ 80% Federal + 20% \$ 114,502 Targg \$ 114,502 Non-1 \$ - HSIP \$ - CMAN \$ - HSIP \$ - TAP I ■ 80% Federal + 20% ■ 80% Federal + 20%	Non-Federal et Funds Available CMAQ/HSIP/TAP (Other) Available Pecommended Met Q Recommended Met Recommended Met Recommended Met Non-Federal Non-Federal Non-Federal Non-Federal Non-Federal Non-Federal Non-Federal

2021 Ca	ape Co	d MP	O Transp	ortation Improvement Pro	grar	n				
Amendment/	MassDOT			MassDOT	MassDOT		Total Programmed	Federal Funds		
Adjustment Type ▼	Project ID ▼	MPO ▼	Municipality Name ▼	Project Description ▼	District ▼	Source ▼	Funds ▼	▼	Funds ▼	Additional Information ▼
				No Projects Programmed	LICID D		\$ -	\$ - \$ -	\$ - \$ -	4 000/ Fadaral + 400/ Nav Fadaral
► Statewide Infrastr	ructure Program			States	vide HSIP PI	ogram Subtotal >	\$ -	5 -	\$ -	■ 90% Federal + 10% Non-Federal
				No Projects Programmed				\$ -	\$ -	
► Statewide Intersta	ate Maintenance I	Program		Statewide Infra	astructure Pr	ogram Subtotal >	\$ -	- \$	\$ -	■ 80% Federal + 20% Non-Federal
- Otatewide intersta	ite manitenance i	i rogram		No Projects Programmed	1		\$ -	S -	\$ -	
				Statewide Interstate Mai	intenance Pr	ogram Subtotal >	\$ -	\$ -	\$ -	■ 90% Federal + 10% Non-Federal
► Statewide Intellige	ent Transportation	on Systems								
				No Projects Programmed					\$ -	
					Statewi	de ITS Subtotal ▶	\$ -	\$ -	\$ -	■ 80% Federal + 20% Non-Federal
► Statewide Nationa	al Freight Progra	m			_					
				No Projects Programmed	al Casiaht Da			\$ - \$ -	\$ -	
				Statewide Nation	iai Freigni Pr	ogram Subtotal ►	-	-	- \$	■ 80% Federal + 20% Non-Federal
► Statewide Nationa	al Highway Syste	m Preservat	ion Program	No Desirate Deservated		1	1.0	1.6		
				No Projects Programmed Statewide NHS Pre	servation Pr	noram Subtotal >			\$ - \$ -	■ 80% Federal + 20% Non-Federal
S October 11 Bloods				Statewide NH3 FT6	saci valion i i	ogram Subtotal F	Ψ	-	Ψ -	4 00 % Federal 1 20 % Notificated
► Statewide Plannin	ig Program			No Projects Programmed			\\$ -	\\$ -	\$ -	
					Planning Pr	ogram Subtotal ►				■ 80% Federal + 20% Non-Federal
► Statewide Railroad	d Grado Crocein	ae								_
Statewide Railload	u Grade Crossiii	ys		No Projects Programmed	1		\$ -	S -	\$ -	
				Statewide R	R Grade Cro	ssings Subtotal >	\$ -	\$ -	\$ -	■ 80% Federal + 20% Non-Federal
► Statewide Safe Ro	outes to Schools	s Program								
				No Projects Programmed					- \$	
				Statewide Safe Routes to	o Schools Pr	ogram Subtotal >	\$ -	\$ -		■ Funding Split Varies by Funding Source
► Statewide Stormw	ater Retrofits									
				No Projects Programmed			Ψ		\$ -	
► Statewide Transpo	ortation Enhance	ements		Statewide St	tormwater K	etrofits Subtotal >	\$ -	\$ -	-	■ 80% Federal + 20% Non-Federal
·				No Projects Programmed				\$ -	- \$	
				Statewide Transportat	tion Enhance	ements Subtotal >	\$ -	\$ -		■ 80% Federal + 20% Non-Federal
► Other Statewide It	tems									
				ABP GANS Repayment				\$ -		
				Award Adjustments, Change Orders, Project Value Changes, Etc.			\$ -	\$ -	\$ -	
				DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs			s -	s -	\$ -	
				BB25, 17 tr 5, 1 aromont 2ab Notionio, and miss. 1 regranic						
				Planning			\$ -	17	\$ -	
				Statewide Design and Right of Way			\$ -		\$ -	
				Statewide Recreational Trails	or Statowide	ltems Subtotal >	\$ -		\$ -	■ Funding Split Varies by Funding Source
				Oth	ici cialewide	. IKUTIO GUDIUIAI P	- Ψ	- پ		¬ r unumy opin varies by r unumy obuide
► Section 2A / Non-F	Federal Projects									
► Non Federal Aid										
F ITOIL I EUCIAI AIU				No Projects Programmed		NFA	\$ -		\$ -	
				,	Non-Fede	eral Aid Subtotal▶	\$ -			◀100% Non-Federal
► Section 2B / Non-F	Federal Bridge P	roiects								
► Section 2B / Non-F	_									
- Coction 2D / Non-r	Gasiai Briage F	- Ojecia		No Projects Programmed		NFA	\$ -	T	\$ -	
				Section 2B / Non-Fede	eral Bridge F					◀100% Non-Federal
0004.0	_		ID				TIP Section 1:	TIP Section 2:	Total of All	
2021 Ca	ape Co	d MP	O TIP Sur	nmarv			▼	▼	Projects ▼	
				· · · J		Tatal	6 46 040 000	Te	6 40 040 000	4 Total Counting in Degion
						Federal Funds ►	\$ 16,848,232 \$ 13,524,437		\$ 16,848,232 \$ 13.524,437	
						-Federal Funds ►				■ Total Non-Federal Spending in Region

701 CMR 7.00 Use of Road Flaggers and Police Details on Public Works Projects / 701 CMR 7.00 (the Regulation) was promulgated and became law on October 3, 2008. Under this Regulation, the CMR is applicable to any Public works Project that is performed within the limits of, or that impact traffic on, any Public Road. The Municipal Limitation referenced in this Regulation is applicable only to projects where the Municipality is the Awarding Authority. For all projects continued 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 Jacking Agriculture on the TIP, the Municipality activities and the Flagger and Police and design and construction with the flagger and reduce and design and additional information relative to guideline on the floating in the Massacolor and the following into a the floating into a the floating into the Massacolor Highway/Disagness traffic and self-into a superior that the floating in the floating into a the floating into the Massacolor Highway/Disagness that 701 Highw

Transportation Improvement Program (TIP) Project List (FY2017)

FTA Program	Project Number	Transit Agency	FTA Activity Lin	e Item Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC 8	,050,000	Total Cost
5307										
	307 RTD0004386	Cape Cod Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV	2015 - \$139,370; 2016 - \$382,322	\$521,692	\$130,423		\$0	\$652,11
	307 RTD0004387	Cape Cod Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE	2015 - \$1,271,901; 2016 - \$4,565,815	\$5,837,716	\$1,099,180		\$0	\$6,936,896
	307 RTD0004388	Cape Cod Regional Transit Authority	117L00	MOBILITY MANAGEMENT	2015 - \$450,000; 2016 - \$733,200	\$1,183,200	\$295,800		\$0	\$1,479,000
5.	307 RTD0004389	Cape Cod Regional Transit Authority		300900 OPERATING ASSISTANCE	2016 - \$600,000	\$600,000	\$600,000	\$0	\$0	\$1,200,000
5	307 RTD0006279	Cape Cod Regional Transit Authority		114403 REHAB/RENOVATE - ADMIN/MAINT FACILITY	2015 - \$111,960; 2016 - \$12,950	\$124,910	\$31,228	\$0	\$0	\$156,138
5:	307 RTD0006282	Cape Cod Regional Transit Authority		114402 REHAB/RENOVATE - MAINTENANCE FACILITY	2015 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
5	307 RTD0006283	Cape Cod Regional Transit Authority		442400 SHORT RANGE TRANSIT PLANNING	2015 - \$30,532	\$30,532	\$7,633	\$0	\$0	\$38,165
					Subtotal	\$8,378,050	\$2,184,264	\$0	\$0	\$10,562,314
5309					Subtotal	\$0	\$0	\$0	\$0	\$0
5310					Subtotal	\$0	\$0	\$0	\$0	\$0
5311										
5337					Subtotal	\$0	\$0	\$0	\$0	\$0
5339					Subtotal	\$0	\$0	\$0	\$0	\$0
	339 RTD0004382	Cape Cod Regional Transit Authority		113400 REHAB/RENOVATE BUS STATIONS	2014 - \$243,211	\$243,211	\$60,803	\$0	\$0	\$304,014
	339 RTD0004383	Cape Cod Regional Transit Authority		119302 CONSTRUCTION - BUS SHELTERS	2013 - \$12,800	\$12,800	\$3,200		\$0	\$16,000
5:	339 RTD0004390	Cape Cod Regional Transit Authority		114200 ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2013 - \$32,000; 2014 - \$129,600	\$161,600	\$40,400	\$0	\$0	\$202,000
5	339 RTD0005169	Cape Cod Regional Transit Authority		114211 ACQUIRE - SUPPORT VEHICLES	2013 - \$48,000	\$48,000	\$12,000	\$0	\$0	\$60,000
5	339 RTD0005170	Cape Cod Regional Transit Authority		114209 ACQUIRE - MOBILE SURV/SECURITY EQUIP	2013 - \$61,600; 2014 - \$72,000	\$133,600	\$33,400	\$0	\$0	\$167,000
5	339 RTD0005167	Cape Cod Regional Transit Authority		114207 ACQUIRE - ADP HARDWARE	2013 - \$22,880; 2014 - \$58,800	\$81,680	\$20,420		\$0	\$102,100
5	339 RTD0005197	Cape Cod Regional Transit Authority		117000 OTHER CAPITAL ITEMS (BUS)	2015 - \$694,239	\$694,239	\$173,560		\$0	\$867,799
	339 RTD0006280	Cape Cod Regional Transit Authority		114210 ACQUIRE - MOBILE FARE COLL EQUIP	2013 - \$30,240	\$30,240	\$7,560		\$0	\$37,800
5	339 RTD0006281	Cape Cod Regional Transit Authority		114206 ACQUIRE - SHOP EQUIPMENT	2013 - \$20,800; 2014 - \$24,000	\$44,800	\$11,200		\$0	\$56,000
5	339 RTD0006284	Cape Cod Regional Transit Authority		442400 SHORT RANGE TRANSIT PLANNING	2014 - \$69,468	\$69,468	\$17,367		\$0	\$86,835
5320					Subtotal	\$1,519,638	\$379,910	\$0	\$0	\$1,899,548
3320					Subtotal	\$0	\$0	\$0	\$0	\$0
Other Federal					Cultatal	ćo	40	ĊO	ćc	¢.c
Other Non-Federal	l				Subtotal	\$0	\$0	\$0	\$0	\$0
Other Non-Federal	RTD0006331	Cape Cod Regional Transit Authority		300901 Hyannis Loop Demonstration (Match in HWY TIP)		\$0	\$685,464	\$0	\$0	\$685,464
					Subtotal	\$0	\$685,464	\$0	\$0	\$685,464
					Total	\$9,897,688	\$3,249,638	\$0	\$0	\$13,147,326
		n are included in the Foderal Amount								

Transportation Improvement Program (TIP) Project List (FY2018)

FTA Program	Project Numbe	r Transit Agency	FTA Activity Li	ine Item Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC Local Funds	Total Cost
5307	Troject Numbe	Transit Agency	THAT ACTIVITY E	Troject Description	earryover (anobigated)		State Funds	- Local Fullus	Total cost
				ACQUISITION OF BUS SUPPORT					
	5307 RTD0004393	Cape Cod Regional Transit Authority		114200 EQUIP/FACILITIES	2017 - \$7,235	\$7,235	\$1,809	\$0 \$	0 \$9,044
	5307 RTD0004394	Cape Cod Regional Transit Authority		114207 ACQUIRE - ADP HARDWARE	2017 - \$24,000	\$24,000	\$6,000	\$0 \$	0 \$30,000
	5307 RTD0004397	Cape Cod Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV	2017 - \$532,126	\$532,126	\$133,032	\$0 \$	0 \$665,158
	5307 RTD0004398	Cape Cod Regional Transit Authority	117L00	MOBILITY MANAGEMENT	2017 - \$1,206,864	\$1,206,864	\$301,716	\$0 \$	0 \$1,508,580
	5307 RTD0004399	Cape Cod Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE	2017 - \$5,209,978	\$5,209,978	\$1,302,495	\$0 \$	0 \$6,512,473
	5307 RTD0004400	Cape Cod Regional Transit Authority		300900 OPERATING ASSISTANCE	2017 - \$600,000	\$600,000	\$600,000	\$0 \$	0 \$1,200,000
	5307 RTD0005174	Cape Cod Regional Transit Authority		117000 OTHER CAPITAL ITEMS (BUS)	2017 - \$520,000	\$520,000	\$130,000		, ,
					Subtotal	\$8,100,203	\$2,475,052	\$0 \$	0 \$10,575,255
5309						40	40	40 4	
					Subtotal	\$0	\$0	\$0 \$	0 \$0
310					Subtotal	\$0	\$0	\$0 \$	0 \$0
5311									
					Subtotal	\$0	\$0	\$0 \$	0 \$0
337					Subtotal	\$0	\$0	\$0 \$	0 \$0
5339						, -	, -		, ,
	5339 RTD0004391	Cape Cod Regional Transit Authority		113400 REHAB/RENOVATE BUS STATIONS	2017 - \$152,000	\$152,000	\$38,000	\$0 \$	0 \$190,000
	5339 RTD0004396	Cape Cod Regional Transit Authority		119302 CONSTRUCTION - BUS SHELTERS	2017 - \$52,800	\$52,800	\$13,200		
	5339 RTD0005172	Cape Cod Regional Transit Authority		114211 ACQUIRE - SUPPORT VEHICLES	2016 - \$53,651	\$53,651	\$13,413		
	5339 RTD0005173	Cape Cod Regional Transit Authority		114209 ACQUIRE - MOBILE SURV/SECURITY EQUIP	2016 - \$193,600	\$193,600	\$48,400	\$0 \$	0 \$242,000
					Subtotal	\$452,051	\$113,013		0 \$565,064
320									
					Subtotal	\$0	\$0	\$0 \$	0 \$0
Other Federal					Charle	do.	άο	40 4	0 60
					Subtotal	\$0	\$0	\$0 \$	0 \$0
Other Non-Federal					Subtotal	\$0	\$0	\$0 \$	0 \$0
					Total	\$8,552,254	\$2,588,065		0 \$11,140,319

Transportation Improvement Program (TIP) Project List (FY2019)

FTA Program	Project Numbe	er Transit Agency	FTA Activity Li	ne Item Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC Local F	ınds	Total Cost
5307										
	5307 RTD0004401	Cape Cod Regional Transit Authority		300900 OPERATING ASSISTANCE	2018 - \$600,000	\$600,000	\$600,000	•	\$0	\$1,200,000
	5307 RTD0004402	Cape Cod Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV	2018 - \$542,769	\$542,769	\$135,692		\$0	\$678,463
	5307 RTD0004403	Cape Cod Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE	2018 - \$5,361,677	\$5,361,677	\$1,340,419	•	\$0	\$6,702,096
	5307 RTD0004404	Cape Cod Regional Transit Authority	117L00	MOBILITY MANAGEMENT	2018 - \$1,231,001	\$1,231,001	\$307,750	\$0	\$0	\$1,538,751
				ACQUISITION OF BUS SUPPORT						
	5307 RTD0004406	Cape Cod Regional Transit Authority		114200 EQUIP/FACILITIES	2018 - \$56,516	\$56,516	\$14,129		\$0	\$70,645
	5307 RTD0004407	Cape Cod Regional Transit Authority		114207 ACQUIRE - ADP HARDWARE	2018 - \$23,765	\$23,765	\$5,941	•	\$0	\$29,706
	5307 RTD0005176	Cape Cod Regional Transit Authority		117000 OTHER CAPITAL ITEMS (BUS)	2018 - \$504,000	\$504,000	\$126,000	•	\$0	\$630,000
					Subtotal	\$8,319,728	\$2,529,931	\$0	\$0 \$	\$10,849,659
5309					Subtotal	\$0	\$n	\$0	\$0	\$0
5310					Subtotal	70	70	- 70	γU	γC
3310					Subtotal	\$0	\$0	\$0	\$0	\$0
5311										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5337					Subtotal	\$0	\$0	\$0	\$0	\$0
5339					Subtotal	, , , , , , , , , , , , , , , , , , , 	70	70	70	70
	5339 RTD0004405	Cape Cod Regional Transit Authority		113400 REHAB/RENOVATE BUS STATIONS	2018 - \$96,000	\$96,000	\$24,000	\$0	\$0	\$120,000
	5339 RTD0004409	Cape Cod Regional Transit Authority		119302 CONSTRUCTION - BUS SHELTERS	2018 - \$51,200	\$51,200	\$12,800		\$0	\$64,000
	5339 RTD0005175	Cape Cod Regional Transit Authority		114211 ACQUIRE - SUPPORT VEHICLES	2018 - \$99,586	\$99,586	\$24,896		\$0	\$124,482
	5339 RTD0005198	Cape Cod Regional Transit Authority		117000 OTHER CAPITAL ITEMS (BUS)	2017 - \$112,800	\$112,800	\$28,200		\$ 0	\$141,000
		, , , , , , , , , , , , , , , , , , ,			Subtotal	\$359,586	\$89,896		\$0	\$449,482
5320										
					Subtotal	\$0	\$0	\$0	\$0	\$0
Other Federal										
					Subtotal	\$0	\$0	\$0	\$0	\$0
Other Non-Federal					Subtotal	\$0	\$0	\$0	\$0	\$0
					Total	\$8,679,314	\$2,619,827			\$11,299,141

Transportation Improvement Program (TIP) Project List (FY2020)

Project List (FY2020)										
FTA Program	Project Number	r Transit Agency	FTA Activity Line It	em Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC Local	Funds	Total Cost
5307								1 -		
	5307 RTD0004412	Cape Cod Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV	2019 - \$553,624	\$553,624	\$138,406		\$0	\$692,030
	5307 RTD0004413	Cape Cod Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE ACQUISITION OF BUS SUPPORT	2019 - \$5,541,833	\$5,541,833	\$1,385,458	\$ 0	\$0	\$6,927,291
	5307 RTD0004414	Cape Cod Regional Transit Authority	114	1200 EQUIP/FACILITIES	2019 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
	5307 RTD0004415	Cape Cod Regional Transit Authority	114	1207 ACQUIRE - ADP HARDWARE	2018 - \$19,200; 2019 - \$92,800	\$112,000	\$28,000	\$0	\$0	\$140,000
	5307 RTD0004416	Cape Cod Regional Transit Authority	117L00	MOBILITY MANAGEMENT	2019 - \$1,255,621	\$1,255,621	\$313,905	\$0	\$0	\$1,569,526
	5307 RTD0004417	Cape Cod Regional Transit Authority	300	0900 OPERATING ASSISTANCE	2019 - \$600,000	\$600,000	\$600,000	\$0	\$0	\$1,200,000
	5307 RTD0004420	Cape Cod Regional Transit Authority	119	9302 CONSTRUCTION - BUS SHELTERS	2019 - \$56,000	\$56,000	\$14,000	\$0	\$0	\$70,000
	5307 RTD0005177	Cape Cod Regional Transit Authority	114	1209 ACQUIRE - MOBILE SURV/SECURITY EQUIP	2019 - \$66,133	\$66,133	\$16,533	\$0	\$0	\$82,666
					Subtotal	\$8,265,211	\$2,516,302	\$0	\$0	\$10,781,513
5309					Subtotal	\$0	\$0	\$0	\$0	\$0
5310										
					Subtotal	\$0	\$0	\$0	\$0	\$0
5311					Subtotal	\$0	\$0	\$0	\$0	\$0
5337						ćo	ćo	Ć0.	ćo	
					Subtotal	\$0	\$0	\$0	\$0	\$0
5339	F220 PTD0004440	Con Coll Business Transit Authority	442	AGO DELLAD (DENOVATE DUG CTATIONS	2040 6546 000	ĆE4.C 000	ć420.000	ćo	ćo	¢645,000
	5339 RTD0004419	Cape Cod Regional Transit Authority		3400 REHAB/RENOVATE BUS STATIONS	2019 - \$516,000	\$516,000	\$129,000		\$0	\$645,000
	5339 RTD0005178	Cape Cod Regional Transit Authority	117	7000 OTHER CAPITAL ITEMS (BUS)	2018 - \$422,400 Subtotal	\$422,400 \$938,400	\$105,600 \$234,600		\$0 \$0	\$528,000 \$1,173,000
5320						+555,155	Ψ=0 :,000	T -	T *	+ -, - , - , - , - , - , - , - , - , - ,
3320					Subtotal	\$0	\$0	\$0	\$0	\$0
Other Federal					Subtotal	\$0	\$0	\$0	\$0	\$0
Other Non-Federal						, , , , , , , , , , , , , , , , , , ,	7.		7 -	70
					Subtotal	\$0		\$0	\$0	\$0
					Total	\$9,203,611	\$2,750,902	\$0	\$0	\$11,954,513

Transportation Improvement Program (TIP) Project List (FY2021)

	FTA Program	Project Numbe	er Transit Agency	FTA Activity Line	e Item Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC Local Fund	s Total Cost
5307										
		5307 RTD0005179	Cape Cod Regional Transit Authority	117L00	MOBILITY MANAGEMENT	2020 - \$1,274,456	\$1,274,456	\$318,614	\$0 \$	0 \$1,593,070
		5307 RTD0005180	Cape Cod Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV	2020 - \$561,928	\$561,928	\$140,482	\$0 \$	0 \$702,410
		5307 RTD0005181	Cape Cod Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE	2020 - \$5,624,960	\$5,624,960	\$1,406,240	\$0 \$	0 \$7,031,200
		5307 RTD0005188	Cape Cod Regional Transit Authority	3	300900 OPERATING ASSISTANCE	2020 - \$600,000	\$600,000	\$600,000	\$0 \$	0 \$1,200,000
		5307 RTD0005182	Cape Cod Regional Transit Authority	1	114207 ACQUIRE - ADP HARDWARE	2019 - \$112,000	\$112,000	\$28,000	\$0 \$	0 \$140,000
		5307 RTD0005183	Cape Cod Regional Transit Authority	1	114209 ACQUIRE - MOBILE SURV/SECURITY EQUIP	2020 - \$66,133	\$66,133	\$16,533	\$0 \$	0 \$82,666
		5307 RTD0005184	Cape Cod Regional Transit Authority	1	119302 CONSTRUCTION - BUS SHELTERS	2020 - \$56,000	\$56,000	\$14,000	\$0 \$	0 \$70,000
		5307 RTD0005186	Cape Cod Regional Transit Authority	1	114220 ACQUIRE - MISC SUPPORT EQUIPMENT	2020 - \$80,000	\$80,000	\$20,000	\$0 \$	0 \$100,000
						Subtotal	\$8,375,477	\$2,543,869	\$0 \$	0 \$10,919,346
5309						Subtotal	\$0	\$0	\$0 \$	0 \$0
5310						Subtotal	\$0			0 \$0
5311						Subtotal	70	70	, , , , , , , , , , , , , , , , , , , 	,
5511						Subtotal	\$0	\$0	\$0 \$	0 \$0
5337						Subtotal	\$0	\$0	\$0 \$	0 \$0
5339										
		5339 RTD0005185	Cape Cod Regional Transit Authority	1	114301 CONSTRUCT - ADMINISTRATIVE BUILDING	2020 - \$516,000	\$516,000	\$129,000	\$0 \$	0 \$645,000
			,			Subtotal	\$516,000	\$129,000		0 \$645,000
5320										
						Subtotal	\$0	\$0	\$0 \$	0 \$0
Other Federal						Subtotal	\$0	\$0	\$0 \$	0 \$0
Other Non-Fed	eral								,	
Other Non-Fede	eral	RTD0005187	Cape Cod Regional Transit Authority	1	111202 BUY REPLACEMENT 35-FT BUS		\$0	\$1,150,000	\$0 \$	0 \$1,150,000
						Subtotal	\$0	\$1,150,000	\$0 \$	0 \$1,150,000
						Total	\$8,891,477	\$3,822,869	ćn ć	0 \$12,714,346

Glossary

Table 10. Definitions Used in Project Listings

LABEL	DESCRIPTION
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).

Table 11. Acronyms

ACRONYM	MEANING
AADT	Annual Average Daily Traffic
AASHTO	American Association of State Highway and Transportation Officials
ARC	Available Reserve Capacity
BTP&D	(Massachusetts) Bureau of Transportation Planning and Development
CAAA	Clean Air Act Amendments of 1990
CEPO	Capital Expenditure and Program Office
CCC	Cape Cod Commission
CCJTC	Cape Cod Joint Transportation Committee
CCRTA	Cape Cod Regional Transit Authority
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CMR	Code of Massachusetts Regulations
CO	Carbon Monoxide
CTPS	Central Transportation Planning Staff
CZM	(Massachusetts) Coastal Zone Management
DCPO	Division of Capital Planning and Operations
DEP	Department of Environmental Protection
DOT	United States Department of Transportation
DRI	Development of Regional Impact
EIR	Environmental Impact Report
EIS	Environmental Impact Statement

EOEA	(Massachusetts) Executive Office of Environmental Affairs
EOTPW	(Massachusetts) Executive Office of Transportation and Public Works
	(2007)
EPA	Environmental Protection Agency
ESC	(Massachusetts) Enhancements Steering Committee
FA	Federal Aid
FAST	Fixing America's Surface Transportation (FAST) Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year or Federal Fiscal Year
GPS	Global Positioning System
HPP	High Priority Project
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
ITC	Intermodal Transportation Center
ITE	Institute of Transportation Engineers
ITS	Intelligent Transportation System(s)
LOS	Level of Service
LRTP	Long Range Transportation Plan
MAP	Mobility Assistance Program
MAP-21	Moving Ahead for Progress in the 21st Century
MassDOT	Massachusetts Department of Transportation
MEPA	Massachusetts Environmental Protection Act
MHD	Massachusetts Highway Department or MassHighway (now
	MassDOT/Highway Division)
MPO	Metropolitan Planning Organization or Cape Cod Metropolitan Planning
	Organization
NAAQS	National Ambient Air Quality Standards
NFA	Non Federal Aid
NHPP	National Highway Performance Program
NHS	National Highway System
NHTSA	National Highway Traffic Safety Administration
NOx	Nitrogen Oxides
PPP	Public Participation Process, or Public Participation Plan
PWED	Public Works Economic Development Program
RPA	Regional Planning Agency
RPP	Regional Policy Plan
RTA	Regional Transit Authority
RTP	Regional Transportation Plan
SIP	State Implementation Plan
SOV	Single Occupancy Vehicle
STBG	Surface Transportation Block Grant
STEA	Surface Transportation Extension Act of 1997
STIP	Statewide Transportation Improvement Program
STP	Surface Transportation Program
TA	Transportation Alternatives

TAP	Transportation Alternatives Program
TAZ	Traffic Analysis Zone
TEA-21	Transportation Equity Act for the 21st Century
TDM	Transportation Demand Management
TIP	Transportation Improvement Program
TMA	Transportation Management Area
TSM	Transportation Systems Management
USGS	United States Geographical Survey
v/c	Volume to Capacity
VMT	Vehicle Miles Traveled
VPD	Vehicles Per Day
VPH	Vehicles Per Hour





Appendices

Appendix A: Project Evaluation

Regional Transportation Plan Consistency

All projects included in the Transportation Improvement Program (TIP) are either specifically identified in the Regional Transportation Plan (RTP) or are consistent with programs in the RTP. Looking at the first time band (2016-2020) in the RTP, phase 1 of the Hyannis Access Study (intersection of Route 28 and Yarmouth Road) appears and is programmed in TIP in FY2019. Also in the first time band is "Route 28 Multimodal Improvements." This appears as a series of projects in the 2017-2021 TIP. Other projects in the 2017-2021 TIP are consistent with programs in the RTP such as "Roadway Rehabilitation & Reconstruction" and "Bicycle/Pedestrian Projects."

Furthermore, the goals, objectives, performance measures, and recommendations of the 2016 RTP were used in the development of the TIP Transportation Evaluation Criteria.

Project Evaluation Process

All highway projects under consideration for funding through the TIP are scored using the Cape Cod Metropolitan Planning Organization (MPO)'s TIP Transportation Evaluation Criteria. These criteria were approved by the Cape Cod MPO in 2016 following the review and recommendation of the Cape Cod Joint Transportation Committee. Projects are scored each spring based on the latest information available. The resulting project scores are one of the considerations in selecting projects for funding in the TIP. Other considerations include, but are not limited to:

- Project evaluation score,
- Project readiness,
- Project cost (in relation to available funding),
- Project qualification for different funding programs,
- Greenhouse gas (GHG) impacts,
- Title VI/Equity, and
- Community support.

The following pages presents the scores for each project and the criteria used to arrive at these scores. The projects where evaluated by Cape Cod MPO staff and were reviewed by the CCJTC and the Cape Cod MPO.

Transit projects are evaluated and recommended for inclusion in the TIP by the Cape Cod Regional Transit Authority Advisory Board.

Can with at Cittee to a cut.	System and Mc		ervatior ization		lobilit	У	Safe	ety	Econ	o <u>m</u> ic	Impact		ronmen Ith Effec		nd	Cos Effe	t ctiven	ess	Poli	cy Sup	port		(þa	arget)	e; siency)	
See www.capecodcommission.org/tip for a map of the projects and data layers used to score the projects. Project# Project	A1. Primary asset condition / effect on condition	ancement	As. Use or modern technology to improve efficiency and support ITS regional efforts	B1. Existing motorist congestion / effect on motorist congestion	mobilit	B3. Effect on connectivity / access	C1. Motorist crash history and anticipated safety impact	C2. Non-motorist crash history and anticipated safety impact	D1. Effect on access to or within a regionally-designated economic development area	D2. Effect on access to or within a local designated business district	D3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the fraight natural.	nds, wildlif tection	E2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	ality /	E4. Coastal Resiliency / Sea Level Rise Vulnerability	E5. Effect on cultural resources or open	E6. Healthy Transportation Options	F1. Project cost per use	. Community nonstrated the cials)	G2. Regional plans/policies	34. Project su including Mas	not accounted for in other criteria Total Score	Proposed TIP Year (Future = NOT funded)	Funded with statewide funds (outside of target)	Title VI Population Affected (I=Income; M = Minority; LEP = Limited English Proficiency)	Cost Estimate
606272 Barnstable, Rte 28 at Yarmouth Rd	15	10	9	4	3	3	5	2	4	3	3	0	1	1	0	0	1	10	3	3 2	1	83	2019		I, M, LEP	\$6,154,421
607398 Yarmouth-Barnstable, Cape Cod Rail Trail Extension	15	10	7	3	3	3	3	5	4	3	3	0	0	2	0	1	1	10	3	3 2	1	82	2018	×	I, M, LEP	\$7,349,831
607397 Wellfleet, Rte 6 at Main St	15	10	9	3	3	3	5	4	3	3	3	1	1	2	0	0	1	8	3	3 1	1	82	2020		None	\$2,000,400
606900 Bourne, Belmont Circle Multi-modal Improvements	12	10	5	3	3	3	5	4	4	3	3	1	1	1	0	1	1	15	2	3 1	1	82	2020		М	\$5,040,000
607319 Mashpee, Rte 151 [AC Year 1 of 2]	12	10	7	4	3	3	5	4	3	3	3	1	1	1	0	1	1	12	2	2 1	1	80	2020		M, LEP	\$8,250,100
606707 Dennis, Rte 28 Corridor & Streetscape Improvements	12	10	5	2	3	3	5	4	4	3	3	2	1	2	0	1	1	10	2	3 2	1	79	2017		I, M	\$5,597,012
608196 Dennis, Route 28 Streetscape Improvements (Phase 2)	12	10	7	2	3	3	3	4	4	3	3	1	1	2	0	1	1	12	2	3 1	1	79) Futur	e	I, M	\$4,500,000
607405 Chatham, Rte 28 at Main St, Depot Rd, Queen Anne Rd and Crowell Rd	15	10	9	4	3	3	3	3	0	3	3	0	1	1	0	0	1	10	2	3 1	1	76	2021		None	\$2,400,000
608422 Sandwich, Shared Use Path on Service Rd (Rte 130 to Chase Rd)	15	10	5	3	3	3	3	4	3	2	3	0	0	2	0	1	1	10	3	3 1	1	76	2021	×	M	\$5,800,464
607394 Yarmouth, Rte 6 Exit 8 Ramps	15	7	7	3	3	2	5	2	4	3	3	0	1	1	0	0	1	10	1	1 1	1	71	Future	e	I, M, LEP	\$5,000,400
606276 Barnstable, Route 132 at Route 6A	12	7	8	3	2	1	3	3	2	3	2	0	1	1	0	1	1	10	3	2 1	1	67	7 Futur	e	I, M, LEP	\$1,200,000
606596 Chatham, Rte 28 - George Ryder Rd to Barn Hill Rd	6	10	10	3	3	3	2	3	0	2	2	0	1	1	0	1	1	10	3	3 1	1	66	2018		None	\$4,081,664
607435 Barnstable, Rte 28 at Osterville-West Barnstable Rd	8	10	8	3	3	2	5	2	0	0	2	0	1	1	0	0	1	12	2	3 1	1	65	2018		M, LEP	\$2,710,162
607444 Falmouth, Rte 28A at Rte 151	10	10	8	1	3	3	5	2	0	3	1	0	1	1	0	0	1	8	3	1 1	1	63	2019		М	\$2,797,859
608264 Yarmouth, Rte 28 Resurfacing and Related Work	15	7	0	1	2	2	2	3	2	1	1	1	1	0	0	1	1	15	1	3 1	1	61	Future	e	I, M, LEP	\$4,000,000
CC1000 Barnstable, CCRTA Hyannis Loop Demo (Year 2 of 3)	8	3	3	3	3	3	2	2	4	3	3	0	0	1	0	0	1	15	2	2 1	1	60	2017		I, M, LEP	\$659,100
606082 Bourne, Rte 6 Scenic Highway Median Installation	12	7	0	1	1	2	5	2	3	2	2	0	1	0	0	0	0	15	2	3 1	1	60) Futur	e	M	\$8,050,000
CC2000 Cape Cod, Bicycle Rack Program	15	0	0	1	2	2	0	1	2	2	1	0	0	2	0	1	1	15	3	2 1	1	52	2017		TBD	\$100,000
608102 Harwich, Improvements at Rte 124 Park and Ride	15	8	0	1	2	0	1	1	0	0	2	0	0	1	0	0	1	15	1	2 1	1	52	2017		I, M, LEP	\$575,000
Printed on: 8/10/2016 Maximum Possible	15	10	10	4	3	3	5	5	4	3	3	2	2	2	2	1	1	15	4	3 3	5	100))			

Cape Cod TIP Project Evaluation Scoring Summary (For FFY2017-2021 TIP)	System and Mod		servation ization		obility	.y	Safet	ety.	Econ	nomic II	mpact		onment h Effect		d	Cost Effec	tiveness	F	olicy	Supp	ort		(p	ırget)	;; iency)	
See www.capecodcommission.org/tip for a map of the projects and data layers used to score the projects. Project# Project	A1. Primary asset condition / effect on condition	さこ	A3. Use of modern technology to improve efficiency and support ITS regional efforts	B1. Existing motorist congestion / effect on motorist congestion	B2. Effect on mobility / accommodation of non-motorists	on connectivity	C1. Motorist crash history and anticipated safety impact	C2. Non-motorist crash history and anticipated safety impact	D1. Effect on access to or within a regionally-designated economic development area	D2. Effect on access to or within a local designated business district	D3. Effect on connections between housing, job, cultural centers, & essential services within & beyond the region or effect on the freight network	E1. Effect on wetlands, wildlife, or other resource protection	E2. Effect on water quality through stormwater management and treatment with an emphasis on for nitrogen	E3. Effect on air quality / GHG emission	E4. Coastal Resiliency / Sea Level Rise Vulnerability	E5. Effect on cultural resources or open space	E6. Healthy Transportation Options F1 Project cost per use	G1. Community support (as demonstrated through highest elected		G2. Kegional plans/policies G3. Local plans/policies	G4. Project supports Federal or State (including MassDOT) policies and goals	or in other crit	Proposed TIP Year (Future = NOT funded)	statewide	- 11	Cost Estimate
606236 Barnstable, Rte 28 Resurfacing and Related Work	15	3	0	1	1	1	2	2	2	1	1	1	1	0	0	0	0 15	5 1	2	1	1	51	Future	1, !	M, LEP	\$2,875,000
608544 Bourne, Rte 6&28 Bypass Rd Resurfacing and Related Work	15	3	0	1	0	1	2	0	2	1	2	1	1	0	0	0	0 15	1	2	1	1	49	2017		М	\$2,400,000
608201 Har-Brew-Orl, Route 6 Resurfacing	12	5	0	1	0	1	2	0	2	1	2	1	1	0	0	0	0 15	j 1	2	1	1	48	2017	×	I, M	\$7,135,000
608545 Yarmouth, Rte 6 Resurfacing and Related Work	15	3	0	1	0	1	2	0	2	1	2	1	1	0	0	0	0 12	2 0	2	1	1	45	Future	1,1	M, LEP	\$5,750,000
608571 Bourne-Falmouth, Rte 28 Guide and Traffic Sign Replacements	12	0	0	0	0	0	5	0	1	1	1	0	0	0	0	0	0 15	5 1	1	0	1	38	2019	×	М	\$450,021
608598 Orleans, Rte 28 Stormwater Improvements	4	0	0	1	1	0	2	2	0	0	0	2	1	0	0	1	0 15	2	2	2	1	36	2020	×	<u> </u>	\$407,350
608617 Harwich, Bridge Replacement - Azalea Dr over Herring River	15	8	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0 5	2	2	1	1	36	2021	×	I, M	\$1,043,768
													_													

Printed on: 8/10/2016 Maximum Possible 15 10 10 4 3 3 5 5 4 3 2 2 2 1 1 1 15 4 3 3 5

Cape Cod TIP Project Evaluation Criteria

Category	Criteria	Points (out of 100)
System Preservation and Modernization	 Pavement and signal equipment improvement Sidewalks and other infrastructure enhancement Use of modern technology 	35
Mobility	 Motorist congestion Non-motorist congestion Connectivity / access Mobility / accommodation of non-motorists 	10
Safety	 Motorist crash history and anticipated safety impact Non-motorist crash history and anticipated safety impact 	10
Economic Impact	 Access to or within a regionally-designated economic development area Access to or within a locally-designated business district Connections between housing, job, cultural centers, and essential services 	10
Environmental and Health Effects	 Wetlands, wildlife, or other resource protection Water quality through stormwater management and treatment Air quality / GHG emission Coastal Resiliency / Sea Level Rise Vulnerability Cultural resources or open space Healthy Transportation Options 	10
Cost Effectiveness	Project cost per user	15
Policy Support	 Regional plans/policies Local plans/policies State or MassDOT Policies and goals 	10

Points within each criterion should be seen as guides. Points should be given based on the best match and may be awarded in between increments as appropriate. Project receiving a negative score on any question should be further analyzed.

	ystem Preservation and Modernization Scoring Criterion	Factor	Poir
_		1 1 1 1	_
1	Primary asset condition / effect on condition	Poor or failing / substantial improvement	15
		Fair / moderate improvement	8
		Good / minor improvement	4
		Excellent / no improvement	C
2	Enhancements to other assets (Projects elements included in the	Poor or falling / substantial improvement	10
	project, but not part of the primary project focus ie. Sidewalks with	Fair / moderate improvement	7
	repaving project)	Good / minor improvement	4
		Excellent / no improvement	(
3	Use of modern technology to improve efficiency and support ITS	Use of innovative technology and/or incorporation of traffic	1
	regional efforts (ie. continuous traffic counting equipment,	counting technology	1
	adaptive signal control, emergency preemption systems)	Improvement in technology to current best practices	-
	adaptive signal control, emergency preemption systems)	Maintain/repair existing technology	4
		Not applicable	(
		Total Score =	
N	Nobility Scoring	1044104010	ар со
- 11	Criterion	Factor	Doi
		Factor Location identified in the CMP network/ substantial	Poi
L	Existing motorist congestion / effect on motorist congestion	improvement	
	(Projects identified in Congestion Management Plan network are	Significant existing / substantial improvement	
	able to receive maximum points)	<u> </u>	
		Significant existing / moderate or minor improvement	
		Minimal existing / minor improvement	
		No change	(
		Negative effect	-
2	Effect on mobility / accommodation of non-motorists	Substantial improvement	
		Moderate improvement	
		Minimal improvement	
		No effect for non-motorists	(
		Negative effect on mobility / accommodation	_
3	Effect on connectivity / access (emphasis placed on key emergency and evacuation routes)	Substantial improvement to connectivity through the corridor	
	efficiency and evacuation routes;	Moderate improvement to connectivity	1
		Minimal effect on connectivity	
		No effect on connectivity	
		}	-+
		Negative effect on connectivity Total Score =	
C	afety	Total Score -	upt
. 3		Parkan.	D.
	Criterion Motorist crash history and anticipated safety impact (Note:	Factor Location is HSIP eligible and project is anticipated to improve	Po
	, , , , , , , , , , , , , , , , , , , ,	motorist safety	
	Highway Safety Improvement Program (HSIP) eligible locations are	Location has a demonstrated crash problem and project is	
	determined by MassDOT and includes the 5% percent of locations	anticipated to improve motorist safety	
	in the region based on a severity weighted crash rate)	No demonstrated crash problem, but project is anticipated to	
		improve motorist safety	
		No safety improvement anticipated	
		The project many adversely affect motorist safety	-
	Non-motorist crash history and anticipated safety impact	Location identified as a HSIP Bicycle or Pedestrian Cluster and	
		project is anticipated to improve non-motorist safety	
		Location has a demonstrated safety deficiencies for non-	1
		motorists and project is anticipated to improve non-motorist	
		safety	
		Location has a demonstrated safety deficiencies for non-	
		motorists and project is anticipated to improve non-motorist	
		safety	
		No safety improvement anticipated The project many adversely affect non-motorist safety	

	Criterion	Factor	Points
1	Effect on access to or within a regionally-designated economic	Substantial improvement	4
	development area (ie. Economic Center, GIZ, etc.)	Moderate improvement	3
		Minor improvement	1
		No effect	0
		Negative effect	-1
2	Effect on access to or within a locally-designated business district	Substantial improvement	3
		Moderate improvement	2
		Minor improvement	1
		No effect	0
		Negative effect	-1
3	Effect on connections between housing, job, cultural centers, and	Substantial improvement	3
	essential services within and beyond the region or effect on the	Moderate improvement	2
	freight network	Minor improvement	1
		No effect	0
		Negative effect	-1
		Total Score =	up to 10
- E	nvironmental and Health Effects Scoring		
	Criterion	Factor	Point
1	Effect on wetlands, wildlife, or other resource protection	Anticipated improvement	2
-	Effect of Westanias, Wilame, of Strict resource protestion	Minor contribution to preservation	1
		l	†
		No anticipated impact or negative impacts adequately mitigated	0
		Negative impact	-1
2	Effect on water quality through stormwater management and	Anticipated improvement in stormwater management and	2
	treatment with an emphasis on for nitrogen (points for	treatment	
	anticipated improvements may also be given for projects involving	Anticipated improvement in stormwater management	1
	culvert widening)	No anticipated impact or negative impacts adequately mitigated	0
		Negative impact	-1
3	Effect on air quality / GHG emission	Significant, quantifiable decrease in GHG anticipated	2
		Minor, quantifiable or qualitative decrease in GHG anticipated	1
		No effect on GHG anticipated	0
		Anticipated increase in GHG	-1
4	Coastal Resiliency / Sea Level Rise Vulnerability (Vulnerable areas	Project vulnerable area with resilient design	2
	include those identified as a Special Flood Hazard Area (SFHA),	Project in not in a vulnerable area but includes with resilient	1
	areas identified by the Sea, Land, and Overland Surges from	design elements	1
	Hurricanes (SLOSH) model, or areas susceptible to sea level rise	Project not in vulnerable area and not special consideration	0
		given to resilient design	1
_	Effect on cultural resources or open space	Project in a vulnerable area and is not a resilient design Anticipated improvement	-1 1
5	Effect on cultural resources or open space	<u>iiiiii</u>	†
		No anticipated impact or negative impacts adequately mitigated	0
_		Negative impact	-1
6	Healthy Transportation Options	Increase in healthy transportation options	1
		No anticipated impact or negative impacts adequately mitigated	0
			1

	Criterion	Factor	Points
1	Project cost per user (Use cost/ADT/lane mile calculation as a general indicator, but flexibility is appropriate when considering	See reference table below, but consider unique circumstances	up to
	unique project circumstances particularly for projects involving		†
	bicyclists and pedestrians. Low cost safety measures can be given full points.)	High cost project serving a small number of users	-1
	· · · ·	Total Score =	up to 1
		Notes	Value
	Cost Estimate		
	ADT	For intersections, enter combined ADT of intersecting roads. For projects where ADT is unknown, use regional data to approximate.	
	Length (in miles)	For intersections, enter total length of all approaches within project limits.	
	Number of Lanes	Travel lanes only	
	Project Service Life	7, 14, or 21 years	
	Reference		
	Cost/ADT/Lane Mile*	Points	
	is less than \$50	15	
	is less than \$100	12	
	is less than \$200	8	
	is less than \$500	4	
	is less than \$1000	0	1

	Policy Support Scoring	Factor	Dainte
	Criterion	Factor	Points
1	Community support (as indicated through collective statements or actions of the highest elected officials in the effected communities)	Stated support of the project by the highest elected officials	3
	actions of the inglicest elected officials in the effected communities,	Actions by highest elected officials indicate general support of the project	2
		Neutral	0
		Collective opposition voiced by the highest elected officials	-1
2	Regional plans/policies (ie. RTP, Regional Policy Plan, CEDS)	Project specifically identified in Regional Plan	3
		Strongly supports Regional Plans/Policies	2
		Moderately supports Regional Plans/Policies	1
		Neutral	0
		Inconsistent with Regional Plans/Policies	-1
3	Local plans/policies(ie. LCP, local ordinances, bylaws, etc.)	Project specifically identified in Local Plan	2
		Consistent with Local Plans/Policies	1
		Neutral	0
		Inconsistent with Local Plans/Policies	-1
4	Project supports Federal or State (including MassDOT) policies and goals not accounted for in other criteria (GreenDOT, Healthy	Project specifically identified in a existing Federal or State Plan	2
	Transportation, Complete Streets, TZD etc.)	Consistent with Federal or State Policies or Principles	1
	Transportation, complete streets, 125 etc.)	Neutral	0
		Inconsistent with Federal or State Policies or Principles	-1
	•	Total Score =	up to 10

is more than \$1000 *Multiply by 2/3, 1, or 1.5 for service life of 7, 14, or 21 years, respectively

Equity Analysis by Community

An equity analysis of projects included in the TIP as well as recently completed TIP projects was conducted. The maps at the end of this Appendix show the locations of these projects in relation to the 15 Cape Cod communities. The distribution of these funds are summarized in the following tables.

Table 12. Distribution of TIP Funds by Community

		2017-21		2007-16
Community	2017-21	Community	2007-16	Community
		Share		Share
Barnstable	\$10,912,635	19.1%	\$15,881,621	12.1%
Bourne	\$8,094,800	14.1%	\$19,137,040	14.6%
Brewster	\$2,122,466	3.7%	\$6,714,952	5.1%
Chatham	\$7,028,931	12.3%	\$15,298,631	11.6%
Dennis	\$5,597,012	9.8%	\$25,786,700	19.6%
Eastham	\$0	0.0%	\$0	0.0%
Falmouth	\$3,071,688	5.4%	\$16,544,013	12.6%
Harwich	\$1,636,233	2.9%	\$7,335,079	5.6%
Mashpee	\$9,240,112	16.1%	\$0	0.0%
Orleans	\$1,468,583	2.6%	\$5,216,312	4.0%
Provincetown	\$0	0.0%	\$2,500,000	1.9%
Sandwich	\$5,800,464	10.1%	\$7,724,417	5.9%
Truro	\$0	0.0%	\$350,000	0.3%
Wellfleet	\$2,240,448	3.9%	\$150,000	0.1%
Yarmouth	\$50,000	0.1%	\$8,867,815	6.7%
Regional	\$9,440,617	-	\$50,000	-
CCRTA	\$58,935,180	-	\$106,141,402	-
CCNS	-	-	\$860,100	-
Total	\$125,639,168	100.0%	\$238,558,081	100.0%

Notes: Where projects spanned multiple communities, project costs where distributed based on the approximate project length within each community.

Equity Analysis by Impacted Population

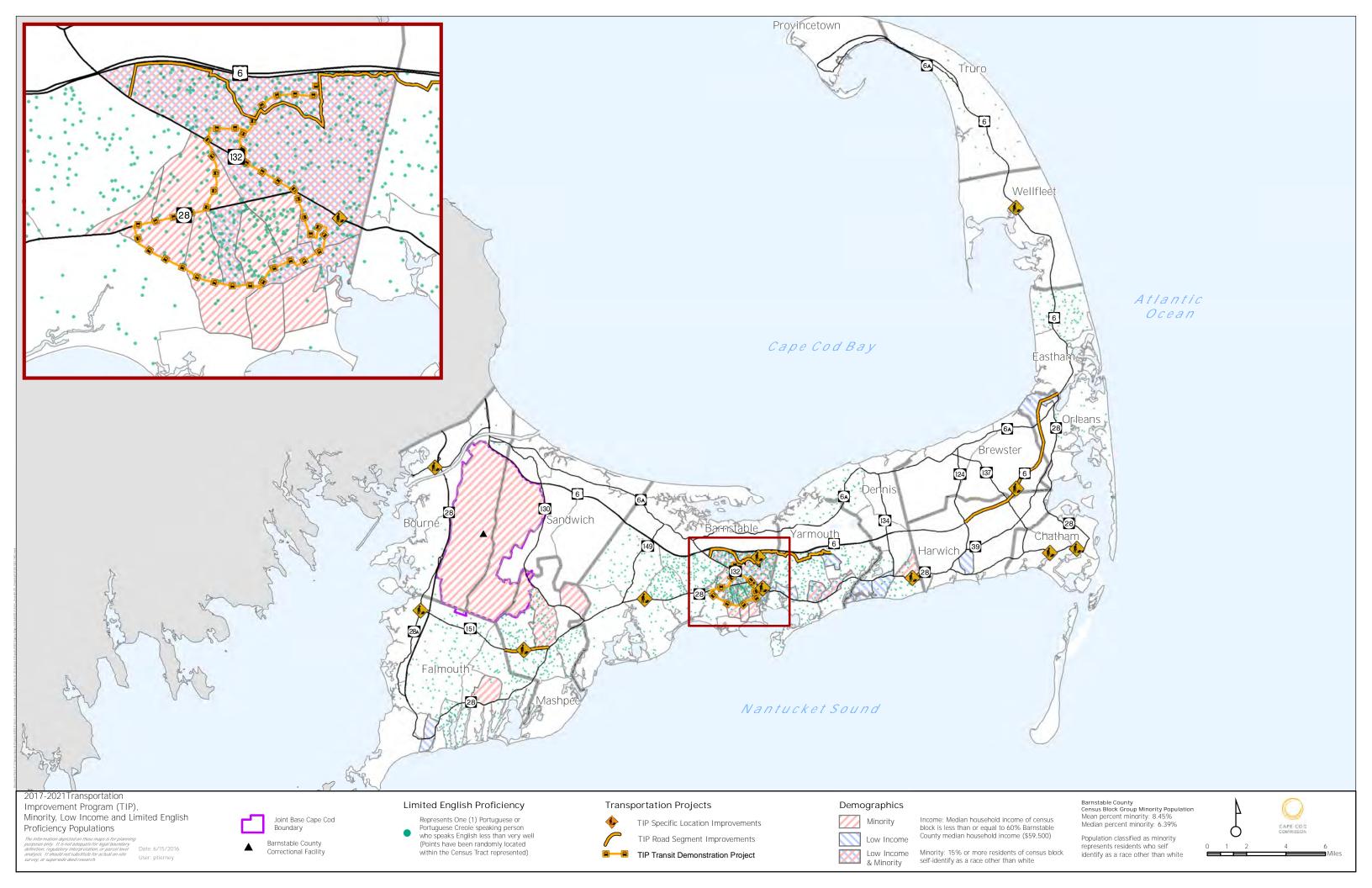
An equity analysis of projects included in the TIP was conducted with respect to anticipated impacts on minority, low income, and limited English proficiency populations. The maps at the end of this Appendix show the locations of these projects in relation to identified concentrations of these populations.

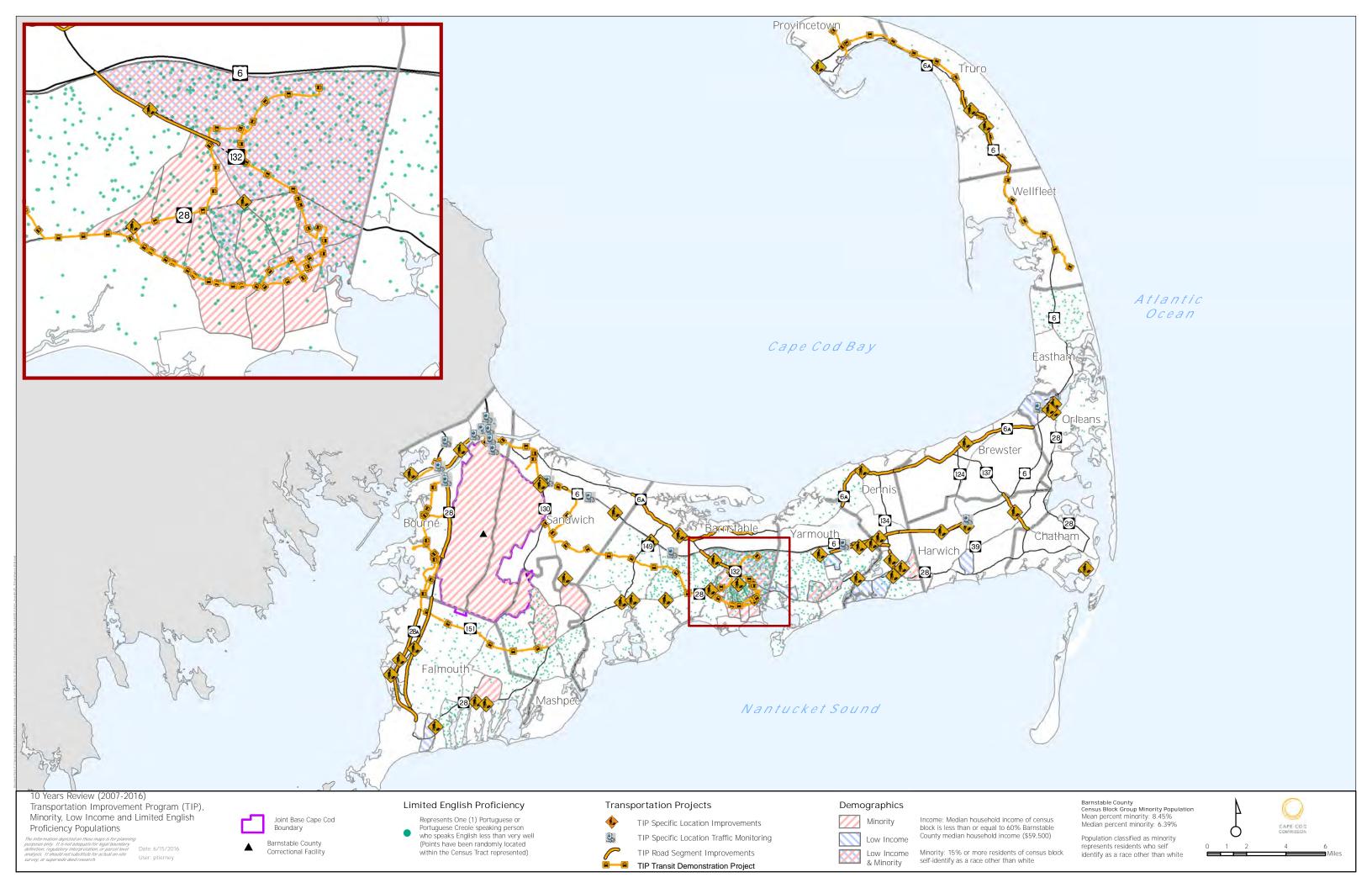
Overall, 79% of the FFY 2017-21 TIP funding in allocated to projects that will positively impact minority populations, 30% to projects that will positively impact low income populations, and 44% to projects that will positively impact limited English proficiency populations. These estimates exclude transit-funded projects. No projects are anticipated to negatively impact these identified populations. Specific projects and their anticipated impacts are presented in Table 13.

Table 13. Anticipated Impacts of TIP Projects on Minority (M), Low Income (I), and Limited English Proficiency (LEP) Populations

Project #	Year	Impacted Population	Anticipated Impact
Dennis, Rte 28 Corridor & Streetscape Improvements (#606707)	2017	I, M	Improved bicycle/ pedestrian access, safety
Bourne, Rte 6&28 Bypass Rd Resurfacing and Related Work (#608544)	2017	M	Improved pavement condition
Harwich, Improvements at Rte 124 Park and Ride (#608102)		I, M, LEP	Improved accommodation of transit users
Barnstable, CCRTA Hyannis Loop Demo (#CC1000)	2017- 19	I, M, LEP	Improved transit connections
Har-Brew-Orl, Route 6 Resurfacing (#608201)	2017	I, M	Improved pavement condition
Barnstable, Rte 28 at Osterville-West Barnstable Rd (#607435)	2018	M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow
Yarmouth-Barnstable, Cape Cod Rail Trail Extension (#607398)	2018	I, M, LEP	Improved bicycle/ pedestrian access, safety
Falmouth, Rte 28A at Rte 151 (#607444)	2019	M	Improved bicycle/ pedestrian access, safety, traffic flow
Barnstable, Rte 28 at Yarmouth Rd (#606272)	2019	I, M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow
Bourne-Falmouth, Rte 28 Guide and Traffic Sign Replacements (#608571)	2019	М	Improved safety
Mashpee, Rte 151 (#607319)	2020/21	M, LEP	Improved bicycle/ pedestrian access, safety, traffic flow
Bourne, Belmont Circle Multi-modal Improvements (#606900)	2020	M	Improved bicycle/ pedestrian access, safety, traffic flow
Orleans, Rte 28 Stormwater Improvements (#608598)	2020	I	Improved safety
Sandwich, Shared Use Path on Service Rd (Rte 130 to Chase Rd) (#608422)	2021	М	Improved bicycle/ pedestrian access, safety
Harwich, Bridge Replacement - Azalea Dr over Herring River (#608617)	2021	I, M	Improved asset condition

Notes: Based on projects within 3 miles of the following populations identified on the maps on the following page.





Appendix B: Air Quality Conformity and Greenhouse Gas Emissions

Air Quality Conformity Status

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

Air Quality Conformity Background

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

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

Legislative and Regulatory Background

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

of 1999. The attainment date was later extended, first to 2003 and a second time to 2007.

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

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

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

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

Also on May 21, 2012, the air quality designations areas for the 2008 NAAQS were published in the Federal Register. In this Federal Register, the only area in Massachusetts that was designated as nonattainment is Dukes County. All other Massachusetts counties were classified as unclassifiable/attainment.

Therefore, conformity for ozone in the Cape Cod MPO region is required until July 20, 2013 for only the 1997 ozone standard.

Greenhouse Gas (GHG) Monitoring and Evaluation

This section summarizes the greenhouse gas (GHG) impacts that are anticipated to result from the projects that are included in this FFY 2017 - 2021 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 multimodal 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.

Page	lassDOT	MassDOT	Total Programm	GHG d Analysis	GHG CO ₂ Impact	GHG	
## Property	roject ID ▼						Additional Description ▼
Debate Control Con	Section 1A / Fe	deral Aid Target Projects					
STREET FROOT 23 OF TROTO 23 OF TROTO 24	HSIP - Highwa	y Safety Improvement Program					
Accorate Margination and Air Guality Improvement Program CO1999 Service Margination and Air Guality Improvement Program Service Service Margination and Air Guality Improvement Program Service Service Margination and Air Guality Improvement Program Service Service Service Margination and Air Guality Improvement Program Service Serv	606707	STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER	\$ 458	514 Quantified	3,512	Quantified Decrease in Emissions	
COMMON C		,		Quantified Impact I	3,512		,
Secretary Secr	CMAQ - Conge	stion Mitigation and Air Quality Improvement Program					
Control Confidence Control	CC1000	BARNSTABLE - HYANNIS LOOP DEMONSTATION	\$ 685	464 Quantified	totaled in FFY2018	Quantified Decrease in Emissions	\$685,464 TRANSFER TO FTA, CMAQ Year 2 of 3 (\$685,464 CMAQ with \$171,366 CCRT SCA match for \$856,830 Total Cost). Score = 60.
STREET RICLATE 28 PRINT PRINT PRINT PRINT PRINT PR	CC2000		\$ 100	000 Quantified	totaled in FFY2021	Quantified Decrease in Emissions	
### Part Paragetation Alternatives Program Control	606707	STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER	\$ 647	393 Quantified	counted above	Quantified Decrease in Emissions	
DEPAINS CORRIGION AND STREETSCAME IMPROVEMENTS ON MAIN S				Quantified Impact I	0		
STREET (ROUTE a) PROM DENNIS COMMONS DRIVE TO UPPER \$ 19,000 Quartified impost # 0	TAP - Transpo	tation Alternatives Program					
No. CHANDASSPTARE (Ollary) Control No. STREETISCAPE RUPRO/VERANTS ON MAIN STREE	606707	STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER	\$ 193	036 Quantified	counted above	Quantified Decrease in Emissions	
DENNIST CORRIDOR AND STREETECAPE MAPOCEMENTS ON MAN S				Quantified Impact I	0		
SQUENCE - FESTIPATION SQUENTIFICATION SQUENCE - FESTIPATION SQUENTIFICATION SQUE		DENNIS- CORRIDOR AND STREETSCAPE IMPROVEMENTS ON MAIN STREET (ROUTE 28) FROM DENNIS COMMONS DRIVE TO UPPER	\$ 4,298	069 Quantified	counted above	Quantified Decrease in Emissions	Total programmed = \$5,597,012 = \$458,514 HSIP + \$647,393 CMAQ \$193,036 TAP + \$4,298,069 STP. 75% design submitted. CMAQ analysis completed. RSA completed.
ABAPTICAL HUMPHOVEMENTS TO PARK AND RIDE FACILITY INCLUDING A NEW BUS SHELTER AT ROUTE 124 PARK AND RIDE A NEW BU	608544	BOURNE- RESURFACING AND RELATED WORK ON ROUTE 6 & 28	\$ 2.400	000 N/A	0		
A NEW BUS SHELTER AT ROUTE 124 PARK AND RIDE			, , , ,				
Section 18 / Federal Aid Bridge Projects Statewide Systematic Maintenance Program 0 No Projects Programmed S N/A Ousnified impact > O Statewide Bridge Inspection Programmed S N/A Ousnified impact > O Statewide Bridge Inspection Programmed S N/A Ousnified impact > O Ousnified impact > O Ousnified impact > O N/A Ousnified impact > O N/A Ousnified impact > O N/A Ousnified impact > O Ousnif	609102	HARWICH- IMPROVEMENTS TO PARK AND RIDE FACILITY INCLUDING				Assumed Naminal Degrapes in Emissions	
No Projects Programmed Satewide Systematic Maintenance Programmed Satewide Strogrammed Satewide Strogramme	000102	A NEW BUS SHELTER AT ROUTE 124 PARK AND RIDE	\$ 575				Total programmed = \$575,000. Score = 52.
No Projects Programmed	000102	A NEW BUS SHELTER AT ROUTE 124 PARK AND RIDE	\$ 575				Total programmed = \$575,000. Score = 52.
Quantified Impact D D No Projects Programmed S			\$ 575				Total programmed = \$575,000. Score = 52.
On No Projects Programmed \$	Section 1B / Fo	ederal Aid Bridge Projects rematic Maintenance Program				from Other Improvements	Total programmed = \$575,000. Score = 52.
No Projects Programmed	Section 1B / Fo	ederal Aid Bridge Projects rematic Maintenance Program		Quantified Impact I	0	from Other Improvements	Total programmed = \$575,000. Score = 52.
Off-System O No Projects Programmed Statewide Bridge Inspection Program O No Projects Programmed S -	Section 1B / F/ Statewide Sys 0	ederal Aid Bridge Projects rematic Maintenance Program		Quantified Impact I	0	from Other Improvements	Total programmed = \$575,000. Score = 52.
0 No Projects Programmed \$	Section 1B / Fr Statewide Sys 0	oderal Aid Bridge Projects ematic Maintenance Program No Projects Programmed	\$	Quantified Impact I	0	from Other Improvements	Total programmed = \$575,000. Score = 52.
Quantified Impact ▶ 0 Statewide Bridge Inspection Program 0 No Projects Programmed \$.	Section 1B / Fo Statewide Sys 0 On System 0	oderal Aid Bridge Projects ematic Maintenance Program No Projects Programmed	\$	Quantified Impact I	0	from Other Improvements	Total programmed = \$575,000. Score = 52.
0 No Projects Programmed \$ - Quantified Impact ▶ 0 Section 1C / Federal Aid Non-Target Projects Other Federal Aid No Projects Programmed \$ - NA Quantified Impact ▶ 0 No Projects Programmed \$ - NA Quantified Impact ▶ 0 Section 1D / Federal Aid Major & State Category Projects Regional Major Infrastructure No Projects Programmed \$ - NA Quantified Impact ▶ 0 Quantified Impact ▶ 0	Section 1B / Fo Statewide Sys 0 On System 0	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed	\$	Quantified Impact I	0	from Other Improvements N/A N/A	Total programmed = \$575,000. Score = 52.
0 No Projects Programmed \$ - Quantified Impact ▶ 0 Section 1C / Federal Aid Non-Target Projects Other Federal Aid No Projects Programmed \$ - NA Quantified Impact ▶ 0 No Projects Programmed \$ - NA Quantified Impact ▶ 0 Section 1D / Federal Aid Major & State Category Projects Regional Major Infrastructure No Projects Programmed \$ - NA Quantified Impact ▶ 0 Quantified Impact ▶ 0	Section 1B / Fo Statewide Sys 0 On System 0	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed	\$ \$ \$ \$	Quantified Impact I	0	from Other Improvements N/A N/A	Total programmed = \$575,000. Score = 52.
Section 1C / Federal Aid Non-Target Projects Other Federal Aid No Projects Programmed S - NA Quantified Impact > 0 Section 1D / Federal Aid Major & State Category Projects Regional Major Infrastructure No Projects Programmed S - NA Quantified Impact > 0 No Projects Programmed No Projects Programmed S - NA Quantified Impact > 0 Other Federal Aid Non-Target Projects Regional Major Infrastructure O No Projects Programmed S - NA Quantified Impact > 0 Other Federal Aid Non-Target Projects Regional Major Infrastructure O No Projects Programmed	Section 1B / F/ Statewide Sys 0 On System 0 Off-System 0	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed	\$ \$ \$ \$	Quantified Impact I	0	from Other Improvements N/A N/A	Total programmed = \$575,000. Score = 52.
O	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0	oderal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed On Projects Programmed	\$	Quantified Impact I Quantified Impact I Quantified Impact I Quantified Impact I	0	N/A N/A	Total programmed = \$575,000. Score = 52.
0 No Projects Programmed \$ - Quantified Impact ▶ 0 Section 1D / Federal Aid Major & State Category Projects Regional Major Infrastructure 0 No Projects Programmed \$ - NA Quantified Impact ▶ 0 NA	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0	oderal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed On Projects Programmed	\$	Quantified Impact I Quantified Impact I Quantified Impact I Quantified Impact I	0	N/A N/A	Total programmed = \$575,000. Score = 52.
Quantified Impact ▶ 0 Section 1D / Federal Aid Major & State Category Projects Regional Major Infrastructure 0 No Projects Programmed \$ - N/A Quantified Impact ▶ 0	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0	oderal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed ge Inspection Program No Projects Programmed	\$	Quantified Impact I Quantified Impact I Quantified Impact I Quantified Impact I	0	N/A N/A	Total programmed = \$575,000. Score = 52.
Section 1D / Federal Aid Major & State Category Projects Regional Major Infrastructure 0 No Projects Programmed \$ - N/A Quantified Impact > 0	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / Fr Other Federal	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed ge Inspection Program No Projects Programmed No Projects Programmed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Quantified Impact I Quantified Impact I Quantified Impact I Quantified Impact I	0	N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.
Regional Major Infrastructure 0 No Projects Programmed \$ - N/A Quantified Impact ► 0	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / Fr Other Federal	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed ge Inspection Program No Projects Programmed No Projects Programmed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Quantified Impact I		N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.
0 No Projects Programmed \$ - NA Quantified Impact ► 0	Section 1B / F/ Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / F/ Other Federal 0	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed ge Inspection Program No Projects Programmed defeat Aid Non-Target Projects Aid No Projects Programmed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Quantified Impact I		N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.
Quantified Impact ▶ 0	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / Fr Other Federal 0	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed ge Inspection Program No Projects Programmed defeat Aid Non-Target Projects Aid No Projects Programmed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Quantified Impact I		N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.
	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / Fr Other Federal 0 Section 1D / Fr Regional Majo	oderal Aid Bridge Projects ematic Maintenance Program No Projects Programmed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Quantified Impact I		N/A N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.
,	Section 1B / Fr Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / Fr Cother Federal 0 Section 1D / Fr Regional Major	oderal Aid Bridge Projects ematic Maintenance Program No Projects Programmed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Quantified Impact I		N/A N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.
0 No Projects Programmed \$ - NA	Section 1B / F/ Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / F/ Other Federal 0 Section 1D / F/ Regional Majo 0	No Projects Programmed Rederal Aid Non-Target Projects Aid No Projects Programmed Rederal Aid Major & State Category Projects Infrastructure No Projects Programmed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Quantified Impact I		N/A N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.
Quantified Impact ▶ 0	Section 1B / F/ Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0 Section 1C / F/ Other Federal 0 Section 1D / F/ Regional Majo 0	ederal Aid Bridge Projects ematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed State Aid Non-Target Projects Aid No Projects Programmed No Projects Programmed Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed	S	Quantified Impact I		N/A N/A N/A N/A N/A	Total programmed = \$575,000. Score = 52.

lassDOT	MassDOT	Total Programmed	GHG Analysis	GHG CO ₂ Impact	GHG	
oject ID ▼	Project Description ▼	Funds ▼	Type ▼	(kg/yr)▼	Impact Description ▼	Additional Description ▼
0	No Projects Programmed	\$ -			N/A	
		Qı	uantified Impact	. 0		
Statewide HS						
	No Projects Programmed	0	uantified Impact >	. 0	N/A	
Statowide In	rastructure Program	۵.	aditinod impaot P		_	
0	No Projects Programmed	S -		1	N/A	
			uantified Impact	. 0		
Statewide Int	erstate Maintenance Program				_	
0	No Projects Programmed	\$ -			N/A	
		Qı	uantified Impact	0		
	elligent Transportation Systems	1			N/4	
0	No Projects Programmed	\$ -	uantified Impact >	. 0	N/A	
Mataurida Na	tional Freight Program	Q	dantined impact P		_	
0	No Projects Programmed	S -	.	1	N/A	
	,	Qı	uantified Impact >	0	·	<u></u>
Statewide Na	tional Highway System Preservation Program				_	
608201	HARWICH- BREWSTER- ORLEANS- RESURFACING AND RELATED	\$ 6,615,00	0 N/A	0	No assumed impact/negligible impact on	Total programmed = \$7,135,000 = \$6,615,000 NHS + \$520,000 Statewide Stormwat
000201	WORK ON ROUTE 6				emissions	Retrofits. Score = 48.
		Qi	uantified Impact >	. 0	_	
Statewide Pla	Inning Program No Projects Programmed	\$ -		1	N/A	
U	ino Projects Programmed		uantified Impact	0	IVA	
Statewide Ra	ilroad Grade Crossings		·		_	
0	No Projects Programmed	\$ -			N/A	
		Qı	uantified Impact	0		_
Statewide Sa	fe Routes to Schools Program					
0	No Projects Programmed	\$ -	-		N/A	
		Qi	uantified Impact >	0		
Statewide Sto	rmwater Retrofits HARWICH- BREWSTER- ORLEANS- RESURFACING AND RELATED			1	No account in a set of a similar in a set of	Total programmed = \$7,135,000 = \$6,615,000 NHS + \$520,000 Statewide Stormwar
608201	WORK ON ROUTE 6	\$ 520,00	0 N/A	0	No assumed impact/negligible impact on emissions	Retrofits. Score = 48.
		Qı	uantified Impact	0		
Statewide Tra	nsportation Enhancements					
0	No Projects Programmed	\$			N/A	
		Qı	uantified Impact >	0		
Other Statew		1				
0	No Projects Programmed	\$ -	•		N/A N/A	
0	No Projects Programmed	\$ -	-		1975	
0	No Projects Programmed	s -			N/A	
		*			N/A	
0	No Projects Programmed No Projects Programmed	\$ -			N/A N/A	
0	No Projects Programmed	\$			N/A	
			uantified Impact >	0		
Section 2A / I	Ion-Federal Projects					
Non Federal	·					
0	No Projects Programmed	\$ -			N/A	
		Qi	uantified Impact >	0	_	
Section 2B / I	Non-Federal Bridge Projects					
	Non-Federal Bridge Projects					
0	No Projects Programmed	\$ -			N/A	
			uantified Impact >	0		
017 Ca	pe Cod MPO GHG Tracking Summar	V		Total Quantified		
				Impact ▼		
		Qı	uantified Impact >	3,512		

		Total	GHG	6110.00				
lassDOT roject ID ▼	MassDOT Project Description▼	Program Funds ▼	med Analys	s GHG CC (kg/yr)▼	D ₂ Impact	GHG Impact Description ▼	Additional Description	n V
•	ederal Aid Target Projects	runus v	Type	(Kg/yi) ¥		impact Description *	Additional	11 🔻
HSIP - Highwa	y Safety Improvement Program BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUTH ROAD					Assumed Naminal Degrades in Emissions	Total programmed with 49/ Inflation applied _ \$2.949.EC9 _ \$459.E44 UCID .	\$2.260.0E
607435	(ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD	\$ 4	58,514 Quali	ative	0	from Sidewalk and Bicycle Infrastructure	Total programmed with 4% Inflation applied = \$2,818,568 = \$458,514 HSIP, + STP. RSA conducted. 25% design plans submitted. Score = 65.	· \$2,360,054
			Quantified Im	oact ►	0	·		
CMAO - Congr	estion Mitigation and Air Quality Improvement Program							
							\$711,828 TRANSFER TO FTA, CMAQ Year 3 of 3 (\$711,828 CMAQ with \$17	7.957 CCR
CC1000	BARNSTABLE - HYANNIS LOOP DEMONSTATION	\$ 7	11,828 Quar	ified 21	0,240	Quantified Decrease in Emissions	SCA match for \$889,785 Total Cost). Score = 60.	
CC2000	Cape Cod Bicycle Rack Program	\$ 10	00,000 Quar	ified totaled i	in FFY2021	Quantified Decrease in Emissions	Total programmed = \$100,000. CMAQ analysis complete. Funds to be applied municipalities. Score = 52.	d for by
606596	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	\$ 3	34,457 Quar	ified	175	Quantified Decrease in Emissions	Total programmed with 4% inflation applied = \$4,244,931 = \$210,307 TAP + \$ + \$3,700,167 STP. 100% design plans submitted. Score = 66. Municipality is p	
			Quantified Im	oact ▶ 21	0,415			
						1		
I AP - Transpo	rtation Alternatives Program						T-1-1	2004 457 0
606596	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	\$ 2	10,307 Quar	ified count	ed above	Quantified Decrease in Emissions	Total programmed with 4% inflation applied = \$4,244,931 = \$210,307 TAP + \$ + \$3,700,167 STP. 100% design plans submitted. Score = 66. Municipality is p	
			Quantified Im	oact ►	0			
Non-CMAQ/HS	SIP/TAP (Other)							
607435	BARNSTABLE- INTERSECTION IMPROVEMENTS @ FALMOUTH ROAD	\$ 2,3	60,054 Quali	ative	0	Assumed Nominal Decrease in Emissions	Total programmed with 4% Inflation applied = \$2,818,568 = \$458,514 HSIP, +	\$2,360,054
001400	(ROUTE 28) & OSTERVILLE-WEST BARNSTABLE ROAD	Ψ 2,3	JUJU QUAII		,	from Sidewalk and Bicycle Infrastructure	STP. RSA conducted. 25% design plans submitted. Score = 65.	
606596	CHATHAM- IMPROVEMENTS ON WEST MAIN STREET (ROUTE 28), FROM GEORGE RYDER ROAD TO BARN HILL ROAD	\$ 3,7	00,167 Quar	ified count	ed above	Quantified Decrease in Emissions	Total programmed with 4% inflation applied = \$4,244,931 = \$210,307 TAP + \$ + \$3,700,167 STP. 100% design plans submitted. Score = 66. Municipality is p	
		1	Quantified Im	act ►	0			
Section 1B / F	ederal Aid Bridge Projects							
	ederal Aid Bridge Projects tematic Maintenance Program							
		\$	-			N/A		
Statewide Sys	tematic Maintenance Program	\$	- Quantified Im	oact ▶	0	N/A		
Statewide Sys	tematic Maintenance Program No Projects Programmed		- Quantified Im	pact ▶	0			
Statewide Sys	tematic Maintenance Program	\$	-			N/A N/A		
On System	tematic Maintenance Program No Projects Programmed				0			
On System Off-System	tematic Maintenance Program No Projects Programmed No Projects Programmed		-			N/A		
On System	tematic Maintenance Program No Projects Programmed		- Quantified Im	pact ▶	0			
On System Off-System 0	No Projects Programmed No Projects Programmed No Projects Programmed		-	pact ▶		N/A		
On System Off-System 0	Itematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed Itematic Maintenance Programmed		- Quantified Im	pact ▶	0	N/A N/A		
Statewide Sys 0 On System 0 Off-System 0	No Projects Programmed No Projects Programmed No Projects Programmed		- Quantified Im	pact ▶	0	N/A		
Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0	In Projects Program No Projects Programmed No Projects Programmed No Projects Programmed In Projects Programmed In Projects Programmed In Projects Programmed In Projects Programmed		- Quantified Im	pact ▶	0	N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F	No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Ige Inspection Program No Projects Programmed		- Quantified Im	pact ▶	0	N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F Other Federal	In Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed In Projects Projects In Indiana India	\$ \$	- Quantified Im	pact ▶	0	N/A N/A		
Statewide Sys 0 On System 0 Off-System 0 Statewide Brid 0	No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Ige Inspection Program No Projects Programmed		- Quantified Im - Quantified Im - Quantified Im	oact ▶	0	N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F Other Federal O	In Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed In Projects Programmed	\$ \$	- Quantified Im	oact ▶	0	N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F	In Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed In Projects Programmed	\$ \$	- Quantified Im - Quantified Im - Quantified Im	oact ▶	0	N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F	tematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed In Projects Projects In Prastructure	\$ \$ \$	- Quantified Im - Quantified Im - Quantified Im	oact ▶	0	N/A N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F	In Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed In Projects Programmed	\$ \$	- Quantified Im	oact ▶	0	N/A N/A		
Statewide System O On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F Regional Majo O	Itematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Ige Inspection Program No Projects Programmed Rederal Aid Non-Target Projects Aid No Projects Programmed In Projects Programmed	\$ \$ \$	- Quantified Im - Quantified Im - Quantified Im	oact ▶	0	N/A N/A N/A		
Statewide System O On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F Regional Majo O Statewide American	tematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Ige Inspection Program No Projects Programmed add Non-Target Projects Aid No Projects Programmed Aid Major & State Category Projects r Infrastructure No Projects Programmed Pricans with Disability Act Implementation Plan	\$ \$ \$ \$ \$	- Quantified Im	oact ▶	0	N/A N/A N/A N/A		
Statewide System O On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F Regional Majo O	Itematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Ige Inspection Program No Projects Programmed Rederal Aid Non-Target Projects Aid No Projects Programmed In Projects Programmed	\$ \$ \$	- Quantified Im	pact ▶	0 0 0	N/A N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F Regional Majo O Statewide Amo O	tematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed In Projects Programmed	\$ \$ \$ \$ \$	- Quantified Im	pact ▶	0	N/A N/A N/A N/A		
Statewide Sys On System O Off-System O Statewide Brid O Section 1C / F Other Federal O Section 1D / F Regional Majo O Statewide Amo O	tematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed Ige Inspection Program No Projects Programmed add Non-Target Projects Aid No Projects Programmed Aid Major & State Category Projects r Infrastructure No Projects Programmed Pricans with Disability Act Implementation Plan	\$ \$ \$ \$ \$	- Quantified Im	pact ▶	0 0 0	N/A N/A N/A N/A	Statewide CMAQ funding total of \$7.349,831. Land acquisition, survey, and de	

	Cape Cod MPO TIP GHG Tr	Total	GHG				
MassDOT	MassDOT	Programmed		GHG CO ₂ Impact	GHG		
Project ID ▼	Project Description▼	Funds ▼	Type ▼	(kg/yr)▼	Impact Description ▼	Additional	Description ▼
		Q	uantified Impact	67,841			
➤ Statewide H	-						
0	No Projects Programmed	\$	- 11		N/A		
		Q	uantified Impact >	0			
	frastructure Program	1-		1			
0	No Projects Programmed	\$	uantified Impact >	• 0	N/A		
		Q	uantilleu impact •	0	_		
Statewide Int	erstate Maintenance Program	•			N/A		
U	No Projects Programmed	\$	uantified Impact >	• 0	IV/A	_	
- Ctatawida Int	elligent Transportation Systems	~	danimod impaot P		_		
0	No Projects Programmed	\$ -			N/A	1	
	NO FIGURE FIOGRAMMEN		uantified Impact >	• 0	1071	_	
Statewide Na	ntional Freight Program				_		
0	No Projects Programmed	\$	- 1		N/A		
	,		uantified Impact >	• 0		_	
Statewide Na	tional Highway System Preservation Program				_		
0	No Projects Programmed	\$ -	-		N/A		
		Q	uantified Impact	0			
Statewide Pla	anning Program						
0	No Projects Programmed	\$ -	-		N/A		
		Q	uantified Impact	0			
Statewide Ra	ilroad Grade Crossings						
0	No Projects Programmed	\$	-		N/A		
		Q	uantified Impact	0			
	afe Routes to Schools Program						
0	No Projects Programmed	\$	-		N/A		
		Q	uantified Impact >	0			
	ormwater Retrofits						
0	No Projects Programmed	\$ -	uantified Impact >	• 0	N/A		
		Q	dantilled impact	0	_		
	ansportation Enhancements				N/A		
0	No Projects Programmed		uantified Impact >	• 0	N/A		
	M. K	~	dantinoa impaot P		_		
Other Statew	No Projects Programmed	\$	_	1	N/A	T	
0	No Projects Programmed No Projects Programmed	\$			N/A		
0	No Projects Programmed	\$ -	-		N/A		
0	No Projects Programmed	\$ -	-		N/A		
0	No Projects Programmed	\$ -			N/A		
0	No Projects Programmed	\$ -			N/A		
		Q	uantified Impact >	0			
Section 24 /	Non-Federal Projects						
	·						
Non Federal	No Projects Programmed	\$ -	- 1	1	N/A		
	1.0		uantified Impact >	• 0	IVA		
Section 2P /	Non-Federal Bridge Projects						
	Non-Federal Bridge Projects				N/A		
0	No Projects Programmed	\$ -	uantified Impact >	• 0	N/A		
			danimod impact				
2018 Ca	ape Cod MPO GHG Tracking Summa	ary		Total Quantified			
		•		Impact ▼			
		Q	uantified Impact	278,256			

2019 Cape Cod MPO TIP GHG Tracking							
MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼	
Section 1A / Federal Aid Target Projects							
► HSIP - Highway Safety Improvement Program							
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	\$ 458,514	Quantified	623,168	Quantified Decrease in Emissions from Traffic Operational Improvement	Total programmed with 8% inflation = \$6,646,775 = \$1,046,285 CMAQ + \$540,800 Statewid CMAQ + \$458,514 HSIP + \$193,036 TAP + \$4,408,140 STP. 25% design sumitted. RSA performed. CMAQ analysis to be performed. Score = 83.	
Quantified Impact ▶							
► CMAQ - Cong	estion Mitigation and Air Quality Improvement Program						
CC2000	Cape Cod Bicycle Rack Program	\$ 100,000	Quantified	totaled in FFY2021	Quantified Decrease in Emissions	Total programmed = \$100,000. CMAQ analysis complete. Funds to be applied for by municipalities. Score = 52.	
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	\$ 1,046,285	Quantified	counted above	Quantified Decrease in Emissions from Traffic Operational Improvement	Total programmed with 8% inflation = \$6,646,775 = \$1,046,285 CMAQ + \$540,800 Statewid CMAQ + \$458,514 HSIP + \$193,036 TAP + \$4,408,140 STP. 25% design sumitted. RSA performed. CMAQ analysis to be performed. Score = 83 .	
		Qua	intified Impact >	0			
►TAP - Transpo	ortation Alternatives Program						
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	\$ 193,036	Quantified	counted above	Quantified Decrease in Emissions from Traffic Operational Improvement	Total programmed with 8% inflation = \$6,646,775 = \$1,046,285 CMAQ + \$540,800 Statewid CMAQ + \$458,514 HSIP + \$193,036 TAP + \$4,408,140 STP. 25% design sumitted. RSA performed. CMAQ analysis to be performed. Score = 83.	
		Qua	ntified Impact >	0			
► Non-CMAQ/H	SIP/TAP (Other)		1				
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	\$ 4,408,140	Quantified	counted above	Quantified Decrease in Emissions from Traffic Operational Improvement	Total programmed with 8% inflation = $\$6,646,775$ = $\$1,046,285$ CMAQ + $\$540,800$ Statewid CMAQ + $\$458,514$ HSIP + $\$193,036$ TAP + $\$4,408,140$ STP. 25% design sumitted. RSA performed. CMAQ analysis to be performed. Score = 83 .	
607444	FALMOUTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT NORTH FALMOUTH HIGHWAY (ROUTE 28A),NATHAN ELLIS HIGHWAY (ROUTE 151) AND COUNTY ROAD	\$ 3,021,688	Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	Total programmed with 8% inflation applied = \$3,021,688.25% design under development. Possible HSIP - RSA to be conducted. Score = 63.	
► Section 1B / F	Federal Aid Bridge Projects						
	stematic Maintenance Program						
0	No Projects Programmed	\$ -			N/A		
		Qua	antified Impact >	0	_		
►On System	No Projects Programmed	\$ -	T		N/A		
		Qua	antified Impact ▶	0			
► Off-System		1.					
0	No Projects Programmed	\$ -	antified Impact >	0	N/A		
► Statewide Bri	dge Inspection Program		·		_		
0	No Projects Programmed	\$ -			N/A		
		Qua	intified Impact	0	1		
▶ Section 1C / Federal Aid Non-Target Projects							
► Other Federa 0		s -			N/A		
U	No Projects Programmed		antified Impact ►	0	IVA		
➤ Section 1D / Federal Aid Major & State Category Projects							
▶ Section 1D / Federal Aid Major & State Category Projects ▶ Regional Major Infrastructure							
0	No Projects Programmed	\$ -			N/A		
. 04-4-	and a second of the Control of the C	Qua	antified Impact >	0			
Statewide Am	ericans with Disability Act Implementation Plan No Projects Programmed	\$ -			N/A		
	ungastion Mitigation and Air Quality	Qua	antified Impact >	0			

2019 Cape Cod MPO TIP GHG Tracking								
		Total	GHG					
MassDOT Project ID ▼	MassDOT Project Description ▼	Programmed Funds ▼	Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼		
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	\$ 540,800		counted above	Quantified Decrease in Emissions from Traffic Operational Improvement	Total programmed with 8% inflation = \$6,646,775 = \$1,046,285 CMAQ + \$540,800 Statewide CMAQ + \$458,514 HSIP + \$193,036 TAP + \$4,408,140 STP. 25% design sumitted. RSA performed. CMAQ analysis to be performed. Score = 83.		
Quantified Impact ▶ 0								
➤ Statewide H	BOURNE TO FALMOUTH - GUIDE AND TRAFFIC SIGN REPLACEMENT					This project is in the preliminary design phase. Score = 38.		
608571	ON A SECTION OF ROUTE 28	\$ 450,021	Qualitative	0	Qualitative Decrease in Emissions	., ,,		
	Quantified Impact ▶ 0							
	rastructure Program	Φ.	1		N/A			
0	No Projects Programmed	\$ - Qua	Intified Impact ►	0	N/A			
► Statewide Interstate Maintenance Program								
0		\$ -			N/A			
		Qua	intified Impact >	0				
	elligent Transportation Systems				N/A			
0	No Projects Programmed	\$ - Qua	ntified Impact ►	0	N/A			
► Statewide Na	tional Freight Program							
0		\$ -			N/A			
		Qua	intified Impact >	0				
	tional Highway System Preservation Program		1	1				
0	No Projects Programmed	\$ - Qua	ntified Impact ►	0	N/A			
► Statewide Pla	nning Program		·		_			
0		\$ -			N/A			
		Qua	intified Impact >	0				
	ilroad Grade Crossings							
0	No Projects Programmed	\$ -	Intified Impact ►	0	N/A			
► Statowide Sa	fe Routes to Schools Program	Que	minou impuot P		4			
0		\$ -			N/A			
	, ,		intified Impact >	0		,		
	ormwater Retrofits							
0	No Projects Programmed	\$ -	ntified Impact ►	0	N/A			
► Ctatawida Ter	nsportation Enhancements	Que	intiliou impact P		_			
0		\$ -			N/A			
	. ,,		intified Impact >	0				
► Other Statew	de Items							
0	No Projects Programmed	\$ -			N/A N/A			
0	No Projects Programmed	\$ -			IV/A			
0	No Projects Programmed	\$ -			N/A			
0	No Projects Programmed	\$ -			N/A			
0		\$ -			N/A			
0	No Projects Programmed	\$ -			N/A			
		Qua	intified Impact >	0	_			
► Section 2A / Non-Federal Projects								
► Non Federal								
0		\$ -			N/A			
		Qua	intified Impact >	0				
➤ Section 2B / Non-Federal Bridge Projects								
▶ Section 2B / Non-Federal Bridge Projects 0 No Projects Programmed \$ - N/A								
0	No Projects Programmed	\$ - Qua	ntified Impact ►	0	IV/A			
2019 Cape Cod MPO GHG Tracking Summary Total Quantified Impact ▼								
		Qua	ntified Impact ►	623,168	1			

		Total	GHG	GHG CO ₂ Impact		
lassDOT roject ID ▼	MassDOT Project Description ▼	Programmed Funds ▼	Analysis Type ▼	(kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
Section 1A / I	Federal Aid Target Projects	<u>'</u>				·
HSIP - Highw	ay Safety Improvement Program					
607397	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	\$ 458,514	Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	Total programmed with 12% inflation applied = \$2,240,448 = \$242,367 TAP + \$458,514 H: + \$1,539,5678 STP. RSA conducted. Preliminary design. Municipality is proponent. Score : 82.
CMAO - Cond	jestion Mitigation and Air Quality Improvement Program	Qua	antified Impact >	0		
CC2000	Cape Cod Bicycle Rack Program	\$ 100,000	Quantified	totaled in FFY2021	Quantified Decrease in Emissions	Total programmed = \$100,000. CMAQ analysis complete. Funds to be applied for by municipalities. Score = 52.
606900	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	\$ 1,046,285	Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	Total programmed with 12% inflation = \$5,644,800 = \$1,046,285 CMQ + \$4,598,515 STP. Potential HSIP - RSA to be conducted. CMAQ analysis to be conducted. Score = 82.
TAP - Transp	ortation Alternatives Program	Qua	antified Impact >	0		
607397	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	\$ 242,367	Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	Total programmed with 12% inflation applied = \$2,240,448 = \$242,367 TAP + \$458,514 H: + \$1,539,5678 STP. RSA conducted. Preliminary design. Municipality is proponent. Score: 82.
Non-CMAQ/H	SIP/TAP (Other)	Qua	antified Impact >	0		
606900	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	\$ 4,598,515	Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	Total programmed with 12% inflation = \$5,644,800 = \$1,046,285 CMQ + \$4,598,515 STP. Potential HSIP - RSA to be conducted. CMAQ analysis to be conducted. Score = 82.
607397	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	\$ 1,539,567	Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	Total programmed with 12% inflation applied = \$2,240,448 = \$242,367 TAP + \$458,514 H: +\$1,539,5678 STP. RSA conducted. Preliminary design. Municipality is proponent. Score 82.
	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY	\$ 2,120,112	Qualitative	0	Assumed Nominal Decrease in Emissions	ADVANCED CONSTRUCTION: Year 1 of 2. Total programmed with 12% inflation applied \$9,240,112 = \$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021 (\$319,725 TAP +
607319	TO FALMOUTH T.L.	Qua	antified Impact ▶	0	from Sidewalk and Bicycle Infrastructure	\$458,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA conducted. CMAQ analyis be completed. Municipality is the proponent. Score = 80.
607319		Qua	antified Impact ▶	0	from Sidewalk and bicycle infrastructure	
		Que	antified Impact ▶	0	from Sidewalk and bicycle infrastructure	
Section 1B / I	TO FALMOUTH T.L.	Que	antified Impact ▶	0	from Sidewalk and bicycle infrastructure	
Section 1B / I	TO FALMOUTH T.L.	\$ -			nom Sidewaik and bicycle iniriasmucture	
Section 1B / I Statewide Sy 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program	\$ -	antified Impact ▶	0		
Section 1B / I Statewide Sy 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed	\$ -			N/A	\$458,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA conducted. CMAQ analyis be completed. Municipality is the proponent. Score = 80.
Section 1B /l Statewide Sy 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program	\$ - Que				
Section 1B /I Statewide Sy 0 On System 0	Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed	\$ Que	antified Impact ▶	0	N/A N/A	
Section 1B / I Statewide Sy 0 On System 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed	\$ - Que	ntified Impact ▶	0	N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed	\$ - Que	antified Impact ▶	0	N/A N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0	Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed	\$ - Que	ntified Impact ▶	0	N/A N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed dge Inspection Program	\$ Que	ntified Impact ▶	0	N/A N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed	\$ Que	antified Impact ▶	0	N/A N/A	
Section 1B // Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0	Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed dge Inspection Program No Projects Programmed	\$ Que	antified Impact ▶	0	N/A N/A	
Section 1B // Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0	Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed dge Inspection Program No Projects Programmed	\$ Que \$ Que \$ Que \$ Que	antified Impact ▶ antified Impact ▶ antified Impact ▶ antified Impact ▶	0	N/A N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0 Section 1C / I Other Federa	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed dge Inspection Program No Projects Programmed	\$ Que \$ Que \$ Que \$ Que	antified Impact ▶	0	N/A N/A N/A	
Section 1B /I Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0 Section 1C /I Other Federa 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed dge Inspection Program No Projects Programmed	\$ Que \$ Que \$ Que \$ Que	antified Impact ▶ antified Impact ▶ antified Impact ▶ antified Impact ▶	0	N/A N/A N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0 Section 1C / I Other Federa 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed	\$ Que \$ Que \$ Que \$ Que	antified Impact ▶ antified Impact ▶ antified Impact ▶ antified Impact ▶	0	N/A N/A N/A	
Section 1B // Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0 Section 1C // Other Federa 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed Federal Aid Mon-Target Projects Aid No Projects Programmed No Projects Programmed	\$ - Que	antified Impact ▶	0	N/A N/A N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0 Section 1C / I Other Federa 0 Section 1D / I Regional Maj 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed No Projects Programmed In Projects Programmed No Projects Programmed Federal Aid Non-Target Projects I Aid No Projects Programmed Federal Aid Major & State Category Projects or Infrastructure No Projects Programmed	\$ - Que	antified Impact ▶ antified Impact ▶ antified Impact ▶ antified Impact ▶	0	N/A N/A N/A N/A	
Section 1B / I Statewide Sy 0 On System 0 Off-System 0 Statewide Br 0 Section 1C / I Other Federa 0 Section 1D / I Regional Maj 0	TO FALMOUTH T.L. Federal Aid Bridge Projects stematic Maintenance Program No Projects Programmed Federal Aid Mon-Target Projects I Aid	\$ - Que	antified Impact ▶	0	N/A N/A N/A N/A	

2020	Cape Cod MPO TIP GHG Tr	ackin	g				
MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programme Funds ▼	GHG d Analysis Type ▼	GHG CO₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Descrip	tion ▼
_	Congestion Mitigation and Air Quality			, , ,			
0	No Projects Programmed	\$	-		N/A		
		(Quantified Impact >	0			
► Statewide F							
0	No Projects Programmed	\$	- Quantified Impact ►	0	N/A		
		,	Quantineu impact >	0	1		
Statewide II	frastructure Program No Projects Programmed	\$	- 1		N/A		
	NOT TOJECIST TOGRAMMED		Quantified Impact ►	0	N/A		
► Statewide In	terstate Maintenance Program				_		
0	No Projects Programmed	\$	-		N/A		
		(Quantified Impact >	0			
	telligent Transportation Systems						
0	No Projects Programmed	\$	- Quantified Impact ▶	0	N/A		
► Statowide N	ational Freight Program	,	acantinou impact				
O Statewide N	No Projects Programmed	\$	-		N/A		
	110 1 10 Joseph Togrammod		Quantified Impact ►	0	177	ı	
► Statewide N	ational Highway System Preservation Program				-		
0	No Projects Programmed	\$	-		N/A		
		(Quantified Impact >	0	J		
	lanning Program						
0	No Projects Programmed	7	- Quantified Impact ▶	0	N/A		
► Ctatourida D	ailroad Grade Crossings		additinod impaot p		1		
0	No Projects Programmed	\$	-		N/A		
			Quantified Impact ►	0		I	
► Statewide S	afe Routes to Schools Program				-		
0	No Projects Programmed	-	-		N/A		
		(Quantified Impact ►	0	J		
► Statewide S	tormwater Retrofits				T. 11 11 11 11 11 11 11 11 11 11 11 11 11	This are in the continuous decimals about 0.000	
608598	ORLEANS - STORMWATER IMPROVEMENTS ALONG ROUTE 28	\$ 407,3	350 Qualitative		No assumed impact/negligible impact on emissions	This project is in the preliminary design phase. Score = 36.	
		,	Quantified Impact >	0			
► Statewide T	ransportation Enhancements						
0	No Projects Programmed	\$	-		N/A		
		(Quantified Impact ►	0	J		
► Other State		10			N/A		
0	No Projects Programmed		-		N/A N/A		
0	No Projects Programmed	\$	-				
0	No Projects Programmed	\$	-		N/A		
0	No Projects Programmed		-		N/A		
0	No Projects Programmed No Projects Programmed	\$	-		N/A		
0	No Projects Programmed	\$	-		N/A		
		(Quantified Impact >	0			
► Continu 2A /	Non-Federal Projects						
► Non Federal	No Projects Programmed	\$	- 1		N/A		
			Quantified Impact ►	0	1.071		
► Section 2B /	Non-Federal Bridge Projects						
	Non-Federal Bridge Projects						
0	No Projects Programmed	\$	-		N/A		
			Quantified Impact >	0			
2020 C	ape Cod MPO GHG Tracking Summa	rv		Total Quantified			
_0_0	apo oba ini o orio rracking cumina	. 7		Impact ▼			
		(Quantified Impact >	0			

		cking	GHG			
assDOT roject ID ▼	MassDOT Project Description ▼	Programmed Funds ▼	Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
-	ederal Aid Target Projects		71	(3))		
	ny Safety Improvement Program					
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HICHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	\$ 458,514	1 Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	ADVANCED CONSTRUCTION: Year 2 of 2. Total programmed with 12% inflation applied = \$9.240,112 = \$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021 (\$319,725 TAP + \$458,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA conducted. CMAQ analyis to completed. Municipality is the proponent. Score = 80.
		Qu	antified Impact	0		
CMAQ - Cong	estion Mitigation and Air Quality Improvement Program					
CC2000	Cape Cod Bicycle Rack Program	\$ 100,000	Quantified	555,319	Quantified Decrease in Emissions	Total programmed = \$100,000. CMAQ analysis complete. Funds to be applied for by municipalities. Score = 52.
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	\$ 1,046,285	5 Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	ADVANCED CONSTRUCTION: Year 2 of 2. Total programmed with 12% inflation applied = \$9,240,112 = \$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021 (\$319,725 TAP + \$458,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA conducted. CMAQ analyis to completed. Municipality is the proponent. Score = 80.
		Qu	antified Impact	555,319		
TAP - Transpo	ortation Alternatives Program					
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	\$ 319,725	5 Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	ADVANCED CONSTRUCTION: Year 2 of 2. Total programmed with 12% inflation applied = \$9,240,112 = \$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021 (\$319,725 TAP + \$458,514 RISP + \$1,046,255 CMAQ + \$5,256,476 STP). RSA conducted. CMAQ analyis to completed. Municipality is the proponent. Score = 80.
Non CMAC/U	SIP/TAP (Other)	Qu	antified Impact >	0		
NON-CMAQ/H	SIP/TAP (Other)					
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	\$ 5,295,476	S Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	ADVANCED CONSTRUCTION: Year 2 of 2. Total programmed with 12% inflation applied = \$9,240,112 = \$2,120,112 in FFY2020 STP + \$7,120,000 in FFY2021 (\$319,725 TAP + \$458,514 HSIP + \$1,046,285 CMAQ + \$5,295,476 STP). RSA conducted. CMAQ analyis to completed. Municipality is the proponent. Score = 80.
607405	ICHATHAM-INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND ICROWELL ROAD	\$ 2,784,000 Qu	Qualitative	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure	Total programmed with 16% inflation applied = \$2,784,0000. Preliminary design. Municipal is proponent. Score = 76.
	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD					
Section 1B / F	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD					
Section 1B / F	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD				from Sidewalk and Bicycle Infrastructure	
Section 1B / F	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	Qu	antified Impact ▶	0		
Section 1B / F Statewide Sys 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	Qu		0	from Sidewalk and Bicycle Infrastructure	
Section 1B / F Statewide Sys 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	Qu	antified Impact ▶	0	from Sidewalk and Bicycle Infrastructure	
Section 1B / F Statewide Sys 0 On System	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects tematic Maintenance Program No Projects Programmed	Qu Qu	antified Impact ▶	0	from Sidewalk and Bicycle Infrastructure	
Section 1B / F Statewide Sys 0 On System 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects	Qu Qu	antified Impact ▶	0	from Sidewalk and Bicycle Infrastructure	
Section 1B / F Statewide Sys 0 On System 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects tematic Maintenance Program No Projects Programmed	Qu \$ - Qu \$ 1,043,768	antified Impact ▶ antified Impact ▶ antified Impact ▶	0	from Sidewalk and Bicycle Infrastructure	
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617	ederal Aid Bridge Projects Internatic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER	Qu \$ - Qu \$ 1,043,768	antified Impact ▶ antified Impact ▶	0	N/A N/A No assumed impact/negligible impact on	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects itematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER	Qu \$ - Qu \$ 1,043,768	antified Impact ▶ antified Impact ▶ antified Impact ▶	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brid	ederal Aid Bridge Projects Internatic Maintenance Program No Projects Programmed No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER	Qu S - Qu S 1,043,766	antified Impact ▶ antified Impact ▶ antified Impact ▶	0	N/A N/A No assumed impact/negligible impact on	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brid	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER dge Inspection Program No Projects Programmed	Qu S - Qu S 1,043,766	antified Impact ▶ antified Impact ▶ antified Impact ▶ Qualitative antified Impact ▶	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brid 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER ige Inspection Program No Projects Programmed	Qu S - Qu S 1,043,766	antified Impact ▶ antified Impact ▶ antified Impact ▶ Qualitative antified Impact ▶	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brid 0 Section 1C / F Other Federal	ederal Aid Bridge Projects Itematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER Ige Inspection Program No Projects Programmed	\$ - Qu S - Qu \$ 1,043,766 Qu \$ - Qu	antified Impact antified Impact Qualitative antified Impact antified Impact antified Impact	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brid 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER ige Inspection Program No Projects Programmed	\$ - Qu \$ 1,043,764 Qu \$ - Qu	antified Impact antified Impact Qualitative antified Impact antified Impact antified Impact	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
- Section 1B / F - Statewide Sys 0 - On System 0 - Off-System 608617 - Statewide Brid 0 - Section 1C / F - Other Federal 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD Road	\$ - Qu \$ 1,043,764 Qu \$ - Qu	antified Impact antified Impact antified Impact Antified Impac	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brid 0 Section 1C / F Other Federal 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects tematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER dge Inspection Program No Projects Programmed ederal Aid Non-Target Projects Aid No Projects Programmed ederal Aid Major & State Category Projects	\$ - Qu \$ 1,043,764 Qu \$ - Qu	antified Impact antified Impact antified Impact Antified Impac	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brid 0 Section 1C / F Other Federal 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER dge Inspection Program No Projects Programmed ederal Aid Non-Target Projects Aid No Projects Programmed	\$ - Qu \$ 1,043,764 Qu \$ - Qu	antified Impact antified Impact antified Impact Antified Impac	0	N/A N/A N/A No assumed impact/negligible impact on emissions	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brie 0 Section 1C / F Other Federal 0 Section 1D / F Regional Majc 0	ederal Aid Bridge Projects Internatic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER In Projects Programmed No Projects Programmed No Projects Programmed Aid Non-Target Projects Aid No Projects Programmed ederal Aid Major & State Category Projects or Infrastructure No Projects Programmed	\$ - Qu \$ - Qu \$ 1,043,766 Qu \$ - Qu \$ - Qu	antified Impact antified Impact antified Impact Antified Impac		N/A N/A N/A No assumed impact/negligible impact on emissions N/A	is proponent. Score = 76.
Section 1B / F Statewide Sys 0 On System 0 Off-System 608617 Statewide Brie 0 Section 1C / F Other Federal 0 Section 1D / F Regional Majc 0	MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD ederal Aid Bridge Projects stematic Maintenance Program No Projects Programmed No Projects Programmed HARWICH - BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER dge Inspection Program No Projects Programmed ederal Aid Non-Target Projects Aid No Projects Programmed	\$ - Qu \$ - Qu \$ 1,043,766 Qu \$ - Qu \$ - Qu	antified Impact antified Impact Antified Impact Antified Impact Antified Impact antified Impact antified Impact antified Impact antified Impact antified Impact		N/A N/A N/A No assumed impact/negligible impact on emissions N/A	is proponent. Score = 76.

202 1	Cape Cod MPO TIP GHG Tra	cking				
MassDOT Project ID		Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
▶ Statewid	e Congestion Mitigation and Air Quality					
608422	SANDWICH- CONSTRUCTION OF SHARED USE PATH ALONG SERVICE ROAD FROM ROUTE 130 TO CHASE ROAD	\$ 5,800,464		795	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	This project is in the preliminary design phase. Score = 76.
		Qua	antified Impact >	795		
► Statewid	HSIP Program	I &	1	T	N/A	
U	No Projects Programmed	Qua	antified Impact >	0	N/A	
➤ Statewid	e Infrastructure Program				_	
0	No Projects Programmed	\$ -			N/A	
		Qua	antified Impact >	0		
	Interstate Maintenance Program		1		N/A	
0	No Projects Programmed	\$ -	antified Impact >	. 0	N/A	
► Statewide	Intelligent Transportation Systems	400	antinoa impaot P			
0		\$ -			N/A	
			antified Impact >	0		
	National Freight Program					
0	No Projects Programmed	\$ -	antified Impact >	. 0	N/A	
		Qua	antineu impact 🕨		_	
► Statewide	National Highway System Preservation Program No Projects Programmed	\$ -		I	N/A	
	THE THOUGHT TO GRAMMOU		antified Impact >	. 0	1471	1
► Statewide	Planning Program				_	
0	No Projects Programmed	\$ -			N/A	
		Qua	antified Impact >	0	J	
	Railroad Grade Crossings		1	T	N/A	
0	No Projects Programmed	\$ -	antified Impact >	. 0	IVA	
➤ Statewid	e Safe Routes to Schools Program		,		_	
0	No Projects Programmed	\$ -			N/A	
		Qua	antified Impact >	0		
	Stormwater Retrofits					
0	No Projects Programmed	\$ -	antified Impact >	. 0	N/A	
> 01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Towns adults Follows and	Qua	antineu impact •		_	
O Statewide	Transportation Enhancements No Projects Programmed	\$ -			N/A	
			antified Impact >	0		
► Other Sta	tewide Items					
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
		*			N/A	
0	No Projects Programmed No Projects Programmed	\$ -			N/A N/A	
0	No Projects Programmed	\$ -			N/A	
		Qua	antified Impact >	0		
. Cardian 0	A / Non-Federal Projects					
► Non Fede	No Projects Programmed	\$ -			N/A	
	,,		antified Impact >	0		
► Section 2	B / Non-Federal Bridge Projects					
► Section 2	B / Non-Federal Bridge Projects					
0	No Projects Programmed	\$ -			N/A	
			antified Impact >		J	
2021	Cape Cod MPO GHG Tracking Summary	У		Total Quantified Impact ▼		
	•			•		
		Qua	antified Impact >	556,114		

Cape	Cape Cod MPO Completed Highway Projects GHG									
							Fiscal Year of			
		Total	GHG	GHG CO ₂			Contract			
MassDOT		Programmed	Analysis Type	•			Award			
Project ID ▼	MassDOT Project Description ▼	Funds ▼	▼	(kg/yr)▼	Impact Description ▼	Description ▼	(2015 and forward) ▼			
	DENNIS- YARMOUTH- CONSTRUCTION OF A MULTI-USE				Quantified Decrease in					
	PATH OVER THE BASS RIVER, INCLUDES NEW PEDESTRIAN				Emissions from Bicycle and					
607571	BRIDGE D-07-007=Y-01-010	\$ 3,765,741	Quantified	3668.2	Pedestrian Infrastructure		2016			

2018 Cap	e Cod Region MPO	Transportation	Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Tota Cost			Fiscal Year of Contract Award (2015 and forward)▼
CC1000					Quantified Decrease in	\$	711,282	GHG impact for 3 year	
	BARNSTABLE - HYANNIS				Emissions from			demonstration	
	LOOP DEMONSTATION				New/Additional Transit				
	(Year 3 of 3)	\$ 711,282	Quantified	210240	Service				2018

Cape Cod MPO Completed Transit Projects GHG

				GHG		GHG CO₂			Fiscal Year
FTA Activity				_	sis Type				Programmed _
Line Item ▼	Transit Agency ▼	Project Description ▼	Total Cost 1	V		(kg/yr)▼	Impact Description ▼	Description ▼	(2015 and forward) ▼
							Quantified Decrease in Emissions		
		CCNS- NEW TRANSIT SERVICE DEMONSTRATION					from New/Additional Transit		
		OUTER CAPE BIKE SHUTTLE	\$ 87,	510 Quantif	fied	62390.8	Service		2015

Appendix C: Projects in Need of Funding

PROJECTS IN NEE	ED OF FUNDING (For Information Only)	Est	imated Cost
BARNSTABLE	Improved access for Hyannis Transportation Center	\$	5,000,000
BARNSTABLE	Rte 28 Resurfacing and Related Work	\$	2,875,000
BARNSTABLE	Route 132 at Route 6A	\$	2,000,000
BARNSTABLE BOURNE	Improvments to Real Time Traffic Information System Design Build of year-round 24/7 Web based traffic information system based on cameras, sensors, with 511 to reduce road rage, congestion, and improve mobility and incident management through improved information	\$	3,000,000
	Hyannis Access Preferred Alternative including Airport Rotary improvements, grade separation of Route 28-Route 132 with tunnel / overpass direct connection, Rt 28/Yarmouth Rd intersection upgrade; reconstruction of sections of Yarmouth Road and Rt 28 to include additional 2 lanes of travel with median divider, sidewalk and multiuse paths	\$	90,000,000
BOURE FAI MOUTH	Shining Sea Bike Path Extension	\$	8,000,000
	Bourne Rotary Improvement Project	\$	50,000,000
BOURNE	Route 6 Scenic Highway Median Barrier	\$	12,000,000
BOURNE	Canal Area: Route 6 Exit 1C Reconfiguration	\$	10,000,000
BOURNE	Infrastructure Improvements (Platform, Parking, etc.) for Buzzards Bay Commuter Rail Service	\$	5,000,000
BOURNE	Route 6 / Route 28 BypassMemorial Circle to Belmont Circle (1.1 miles)	\$	2,000,000
BOURNE	Memorial Circle Intersection Improvement Project	\$	1,125,000
BOURNE	Regional bicycle route from Cape Cod Canal to Provincetown		
	Full depth reclamation Long Pond Road / Rte. 137	\$	1,900,000
BREWSTER	Full depth reclamation Harwich Road / Rte. 124	\$	1,500,000
CAPE COD	Route 28 Multimodal Improvements: Various Locations	\$	20,000,000
CAPE COD	Cape Cod Rail Trail Expansion: S. Wellfleet to Provincetown	\$	20,000,000
Cape Cod Regional Transit Authority	Intercity Seasonal Connector-demonstration	\$	4,000,000
	Route 28 Streetscape Improvements (Phase 2)	\$	4,500,000
EASTHAM	Route 6 Drainage (Aerie's Avenue to Nauset Road)	\$	1,500,000
EASTHAM	Route 6 and Governor Prence Road Improvements - Bicycle / Pedestrian	\$	1,000,000
HARWICH	Route 39 section, 2.0 miles from Oak Street to Queen Anne Road	\$	2,500,000
HARWICH	Route 39 section, 1.6 miles from Bay Road to Brewster TL	\$	2,000,000
ORLEANS	Rock Harbor Road drainage improvements and roadway reconstruction	\$	600,000
ORLEANS	Main Street Sidewalk extension and reconstruction of Meeting House Road intersection	\$	300,000
SANDWICH	Sandwich, Shared Use Path on Servivce Rd (Rte 130 to Chase Rd)	\$	5,000,000
STEAMSHIP ALITHORITY	Woods Hole Terminal Reconstruction Project	\$	61,750,000
	M/V Martha's Vineyard Mid-Life Refurbishment Project	\$	10,000,000
		\$	6,600,000
	Chequessett BR Rehabilitation	\$	12,000,000
YARMOUTH	Safety improvemetns atRoute 6 ramps at Exit 8 (Union Street/Station Avenue).	\$	5,000,000
YARMOUTH	Rte 28 Resurfacing and Related Work	\$	4,000,000
YARMOUTH	Yarmouth, Sidewalk improvements: North Main Street sidewalk of approximately 1 mile connecting existing sidewalk with major recreation area TOTAL	\$ \$	650,000 355,800,000

Appendix D: Status of Previous TIP Projects

Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

	<u> Projects Adve</u>	rtised and Status		e Coa Tra	ansportation im	provemer		
PROJIS or	MUNICIDAL ITY of		Low bid, award	FLIND :-		Danie et	Estimated cost,	
State	MUNICIPALITY of	DESCRIPTION	amount, or TIP		Completed?	Project	award amount,	
Identification	project location		Programmed	TIP		Proponent	or Construction	tised
(SID) number		D:1 D 01 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Amount		4.4.10.0.10.4		Contract Value	(FFY)
56206	BOURNE	Bridge, Perry St, replacement/related BR# B-17-010	\$857,648	BR	11/30/94	town	\$857,648	
600326	DEN to ORL	Route 6, Install surface mount delineators	\$37,717	NFA	YES	state	\$37,717	
FOOFF	Eastham, Wellfleet	Cape Cod Rail Trail (extension)	\$1,239,333	CMQ	9/30/94	DEM	\$1,239,333	
53355	FALMOUTH	Bridge, Menauhant Rd over Green Pond, BR#F-03-002	\$2,274,690	BR	12/1/96	town	\$2,274,690	
600485	HARWICH	Bridge #H-10-014, Rte 137 Br betterment over Rte 6	\$564,384	NFA BR	7/15/95	state	\$564,384	
600111	ORLEANS	Roof Replacment Orleans Depot, Bay Ridge La & 6, 6A	\$68,500	NFA	done?	state	\$68,500	
17400	SANDWICH	Bridge#S-04-02/Conrail, Old County Rd & Related	\$282,240	BR	7/29/96	town	\$282,240	
	1993	ADVERTISING PROGRAM				TOTAL	\$5,324,512	
600897	BARNSTABLE	Route 132 @ Bearses Way Intersection	\$357,790	NFA	6/14/96	town	\$357,790	1994
600694	Barns, Bour, Sand	Route 6 Sign Update & Replacement	\$590,021	NFA	11/30/95	state	\$590,021	1994
600492	BOURNE	Rte 6@Bournedale & Nightingale Rds, sig & safety	\$662,568	NFA	7/31/98	state	\$662,568	
600728	Dennis, Yarmouth	Bridge Maint. Rte 6, Y-1-7,15,16, D-7-11	\$1,392,855	NFA	9/16/96	state	\$1,392,855	
600407	MASHPEE	Rte 151 Resurface & related	\$145,680	NFA	10/1/95	town	\$145,680	
		ADVERTISING PROGRAM	+ · · · · · · · · · · · · · · · · · · ·			TOTAL	\$3,148,914	
	BARNSTABLE	Route 6 rest area renovations	\$168,736	NFA	8/8/96	state	\$168,736	
601219	BARNSTABLE	SSA ferry terminal & marine facilities	\$4,568,000	FBD	7/9/97	SSA	\$4,568,000	
600564	HARWICH	Rte 124 @ Rte 6, Park & Ride Lot Construction	\$182,900	NFA	8/19/96	state	\$182,900	
601039	MASHPEE	Route 130 section, resurfacing & related	\$160,369	NFA	7/20/95	town	\$160,369	1995
	1995	ADVERTISING PROGRAM				TOTAL	\$5,080,005	
601396	BARNSTABLE	Route 28 Recons & Signals on a section	\$1,249,101	STP	11/30/99	town	\$1,278,140	1996
601194	Bourne / Plymouth	Route 25 EB to rest area, water service tie in	\$1,249,101	NFA	7/13/96	state	\$1,278,140	
601423	BOURNE	Buzzards Bay Train Station Improvements	\$149,747	STP-E	12/31/99	town	\$155,677	
601418	BOURNE	Monument Beach Train Station Improvements	\$28.698	STP-E	completed 1999		\$32,163	
601634	EASTHAM		ready 6/15/96	NFA	11/6/96	state	\$30,950	
601257	FALMOUTH	Route 151 @ Sandwich Rd	\$408,260	STP	7/5/97	town	\$499,676	
601690	FALMOUTH	Construct Shining Sea Bikeway, Phase II	\$299,974	NFA	7/12/97	town	\$273,399	
600402	FALMOUTH	Route 151 Section	\$1,524,864	STP	5/28/99	town	\$1,622,950	
601563	TRURO	Cons. Two Chemical Storage Sheds	\$200,000	NFA	?	state	\$199,850	
601084	YARMOUTH	Route 6 Bridges #'s: Y-1-5, 5a, 6, 12, 13, 14	\$986,000	NFA	1/14/98	state	\$986,332	
601859	YARMOUTH	Recons railroad grade crossing Willow St	\$375,222	NFA	7/30/97	state	\$269,298	
- 001000		ADVERTISING PROGRAM	40.0,222		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TOTAL	\$5,894,154	
601541	BARNS-ORLEANS	Route 6 safety improvements, signs		NFA	complete 1997	state	\$659,265	
105701	BARNSTABLE	Route 28 section		NFA	11/30/98	state	\$4,168,495	
600969	EASTHAM	Bridge, Bridge Rd over Boat Meadow River #E-04-001	A4 100 000	NFA	completed 1999		\$565,363	
601095	FALMOUTH	Bridge, Quaker Rd over Herring Brook #F-03-011	\$1,198,203	BR	complete may00		\$1,256,079	
600517	FALMOUTH	Pedestrian signal Rte 28 @ Falmouth Mall	\$54,738	NFA	11/1/97	town	\$51,920	
601465	HARWICH	Cons of Bike Path CCRT extension	\$698,302	NFA	8/22/98	town	\$674,451	
601883	MASHPEE	Great Neck Rd South section	\$667,492	NFA	complete	town	\$750,910	
601882	MASHPEE	Route 151 section	2070 700	NFA	complete	town	\$344,993	
601706	MASHPEE	Route151 @ Old Barns Rd (signal)	\$279,706	NFA	complete 1999	town	\$315,539	
601849	SANDWICH	Route 6 Rest Area Site Improvements WB			readvertised	state		1997
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	04.040.077		readvertised 98		20 040 707	1997
117808	SANDWICH	Route 6A, Tupper Rd to Chipman Rd	\$1,812,077	NFA	11/30/00	state	\$2,212,787	1997
601582	BARNSTABLE	Park & Ride lot expansion, Rte 6 at Rte 132	\$799,528	CMQ	8/29/98	state	\$931,620	
600795	YARMOUTH	Route 28@ Forest Rd	\$539,380	NFA	??? deobligated			1997
	1997	ADVERTISING PROGRAM				TOTAL	\$11,931,422	
601801	BARNSTABLE	Barns, Route 132 Signal Coordination	\$249,305	NFA	9/26/98	town	\$290,000	1998
600966	BARNSTABLE	Bridge, Craigville Beach Rd over Centerville River #B-01-002	\$834,399	BR	6/1/02	town	\$906,759	
600967	Barns, Mashpee	Bridge, School St over Santuit River	See 2000 Adv	BR	re-advertised	town	see below	
601522	DENNIS	Setucket Rd (Old Bass River Rd to Rte 134)	\$657,694	STP	complete	town	\$706,960	
601849	SANDWICH	Route 6 Rest Area Site Improvements WB	,	NFA	?	state	\$150,914	
600970	FALMOUTH	CHURCH ST BR#F-03-014 (timber bridge replacement)	E. T. & L. Corp.	BR	5/27/00	town	\$1,170,899	
601966	BOURNE	Intersect Rte 6 and Nightingale Pond Dr & Scenic Dr	P.A. Landers	NFA	11/22/99	town	\$251,678	
		ADVERTISING PROGRAM				TOTAL	\$3,477,210	
601422	BOURNE +	Head of the Bay Road, (also Plymouth and Wareham)		STP	advertised in 200		see below	
	1999	ADVERTISING PROGRAM				TOTAL	\$0	
600967	Barns, Mashpee	Bridge, School St, Re-advertised May 2000 (orig 11/97)	\$698,584	BR	complete	town	\$698,584	2000
601422	BOURNE +	Head of the Bay Road, (also Plymouth and Wareham)	\$1,285,815	STP	complete	state	\$1,248,879	
601955	DENNIS	Route 6 @ Interchang 9 Route 134	\$2,165,316	NFA	complete	state	\$3,038,500	
601751	YARMOUTH	Buck Island and Town Brook Roads	\$1,389,680	STP	complete	town	\$1,665,000	
no projis	PROVINCETOWN	Shank Painter Property Acquisition - statewide Enhancements	\$247,000	STP-E	complete	town	\$247,000	
,5,0,10		ADVERTISING PROGRAM	+ 2,000		22p.000	TOTAL	\$6,897,963	
						IOIAL		
	BOURNE	Academy Road Railroad crossing		NFA?		state	\$247,507	
602309	HARWICH, CCRT	BRIDGE, Route 6/ Cape Cod Rail Trail, H-10-020	\$703,342	CMAQ	11/24/01	regional	\$703,342	
602293	HARWICH	BRIDGE, Lower County Road over the Herring River				state	see below	
602293	HARWICH	BRIDGE, Lower County Road over the Herring River H-10-01	\$1,386,288	NFA	complete	state	\$1,386,288	
600756	HARWICH	BRIDGE, Route 6 over Depot Street H-10-016	\$1,895,284	NFA	complete	state	\$1,895,284	
601930	MASHPEE	Route 28 FaITL to Rotary, Shoulders & Sidewalk	\$959,370	STP	complete	state	\$959,370	
603304	ORLEANS, CCRT	BRIDGE, Route 6/ Cape Cod Rail Trail	\$2,754,491	CMAQ	complete	regional	\$2,350,000	
600392	SANDWICH	Route 130 Reconstruction & related	\$1,904,711	NFA		town	\$1,900,000	2001
	2001	ADVERTISING PROGRAM				TOTAL	\$9,441,791	
001/22	OLIATIVANA	Direction of the Table 1 and 1	0.4.40 2.2.1	0111		4	01.000.00	0.00
601466	CHATHAM	Bike Spur, from HarTL by airport then to downtown Chatham	\$1,438,041	CMAQ		town	\$1,800,000	
602842	Dennis Harwich	Route 28 overlay	\$1,509,535	NFA	complete	state	\$1,491,063	
602520	Eastham Wellfleet	Route 6, Traffic safety improvements	\$1,038,839	NFA	complete 2004	state	\$996,181	
602531	FALMOUTH	BRIDGE, Meadow Neck Rd over the Moonakis River #F-03-01		BR		town/state	\$861,489	
602562	ORLEANS	Main St, Rock Harbor Rd & Old Colony Rd	\$362,181	NFA		town	\$362,181	
	2002	2 ADVERTISING PROGRAM				TOTAL	\$5,510,914	
-								
603427	BARNSTABLE	Route 6 Resurfacing and drainage improvements	\$4,000,000	STP	complete 2005	state	\$4,000,000	2003
			,			-		

Cane	a Projects Adva	rtised and Status	Cane	e Cod Trai	nsportation Im	provemer	nt Program (TIF)
PROJIS or State Identification	MUNICIPALITY of project location	DESCRIPTION	Low bid, award amount, or TIP Programmed		Completed?	Project	Estimated cost, award amount, or Construction	YEAR adver- tised
(SID) number 602559	ORLEANS	Skaket Corners, Rte. 6A @ West Rd / Eldredge Park Way	Amount \$730,000	NFA	complete 2006	town	Contract Value \$962,000	(FFY) 2003
		3 ADVERTISING PROGRAM	ψ. σσ,σσσ		00pioto 2000	TOTAL	\$4,962,000	
603521	FALMOUTH	Shining Sea Bikeway Phase IIB, Skating Lane to Carlson Lane	\$672,000	CMAQ	7/2/05	town	\$423,450	
601916 603847	BARNSTABLE BOURNE	Bearse's Way, Route 28 norhterly to Pitcher's Way Sagamore Rotary Area Improvements Depot & temp P&R lot	\$1,651,000 \$5.000.000	STP STP	complete	town state	\$1,757,596 \$3,475,470	
603847	BOURNE	Sagamore Rotary Chapter 149 fire station construction	, -,,	STP	complete	state	\$4,065,000	2004
603847	BOURNE	Sagamore Rotary grade separation	#2.652.000	STP	complete	state	\$36,336,000	
602326	YARMOUTH 2004	Willow Street Recons (Rte 6 to relocated Higgins Crowell Rd) 4 ADVERTISING PROGRAM	\$2,652,000	STP	complete	town TOTAL	\$2,652,000 \$48,709,516	2004
601441	BARNSTABLE	Davita 422 Davilavani	£40,000,000	CTD		4 a a	\$0,000,000	0005
601441 603813	EASTHAM-ORLEANS	Route 132 Boulevard Route 6 Resurfacing and related	\$10,000,000 \$ 2,200,000	STP NFA	complete complete	town state	\$9,600,000 \$2,200,000	
603349	FALMOUTH	WOODS HOLE BRIDGE	\$ 7,800,000	BR	complete	town	\$8,000,000	
	200	5 ADVERTISING PROGRAM				TOTAL	\$19,800,000	
S117 earmar	BARNSTABLE	Hyannis Gateway / Main St. Lighting etc.		S117	complete	town	\$378,944	2006
604091	DENNIS	Swan River Road reconstruction	\$2,395,528	CMAQ	complete	town	\$2,300,000	2006
55400 603666	FALMOUTH ORLEANS	Palmer Avenue BR Route 28 and Finlay Road intersection	\$645,524	BR STP	warded-terminate complete	state town	\$1,500,000 \$590,000	
604335	SANDWICH	Route 130/Water St and Main St Intersection TOWN HALL SQ	\$546,657	STP	complete	town	\$600,000	
	2000	6 ADVERTISING PROGRAM				TOTAL	\$5,368,944	
603520	FALMOUTH	Shining Sea Bikeway Ph III	\$3,631,123	CMAQ	7/09 complete	town	\$4,000,000	2007
	2007	7 ADVERTISING PROGRAM	•		•	TOTAL	\$4,000,000	
603894	BOURNE	Dto 6 Coopie Highway at Edgabill Dood	\$4,935,910	STP	aamnlata	town	\$3,948,728	2008
605037	DENNIS	Rte. 6 Scenic Highway at Edgehill Road Rte. 28 at Rte. 134 intersection improvements	\$843,000	CMAQ	complete	town	\$5,946,726	
604919	HARWICH	Rte. 124 at Queen Anne Road intersection improvements	\$1,200,000	CMAQ	complete	town	\$859,800	
CCNS 602923	PROVINCETOWN YARMOUTH	Rte. 6 at Province Lands Rd. Packet Landing site improvements	\$2,500,000 \$633,436	Parks HPP	complete complete	NPS town	\$2,500,000 \$633,436	
		B ADVERTISING PROGRAM	φοσο, ισσ		complete	TOTAL	\$8,537,964	2000
004504	DADNOTADI E	Deute OA securitaria	00.045.000	ADDA		-4-4-	#0.04F.000	0000
604521 604914	BARNSTABLE BARNSTABLE	Route 6A resurfacing Rte. 132 Boulevard Landscaping	\$3,045,000 \$1,500,000	ARRA STP-E	complete REJECTED - ReADV	state	\$3,045,000 \$0	
604914	BARNSTABLE	Rte. 132 Boulevard Landscaping	\$1,100,000	STP-E	complete	town	\$783,933	2009
604096 604224	BARNSTABLE BOURNE	Rte. 28 at 3 locations Rte. 149, So, County Rd., Lumbert Mill F Rte. 6 Scenic Highway resurfacing	\$3,200,000 \$1,651,519	CMAQ ARRA	complete	town state	\$3,200,000 \$1,651,519	
004224	CAPE Safety	Hwy Safety Improvement Program DESIGN (Sand. Cotuit Hark		HSIP	complete	state	\$458,514	
605214	DENNIS	Route 6A resurfacing	\$1,680,620	ARRA	complete	state	\$1,680,620	
603494 603609	FALMOUTH FALMOUTH	BRIDGE Chapoquoit Road BR#F-03-009 over W. Falm Harbor Route 28 Section known as "Reine's Corner"	\$3,000,000 \$2,000,000	BR STP	Spring 2012 Spring 2011	town / state state	\$2,667,948 \$1,237,500	
	2009	9 ADVERTISING PROGRAM	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- F	TOTAL	\$14,725,034	
604093	BARNSTABLE	Rte 149 at Rte 6 EB off-ramps, Roundabout construction	\$1,868,000	HSIP	completed	state	\$1,868,000	2010
604744	CANDWICH	Dto 120 at Dto 6 off ramps, construct traffic signals 8 improv	£2.424.000	STP	aamalatad	ototo	£1 E21 000	2010
605943	SANDWICH BOURNE-SANDWIC	Rte 130 at Rte 6 off-ramps, construct traffic signals & improv HITS - Camera & equipment installation at Sagamore & Bourne	\$2,434,000 \$1,000,000	STP	completed	state state	\$1,521,000 \$1,076,269	
	CCRTA	Vehicles, equipment & terminal improvements		ARRA FTA	transferred	state	\$635,322	
	2010	0 ADVERTISING PROGRAM				TOTAL	\$5,100,591	
604918	HARWICH	Route 137 Reconstruct & Improve QueenAnneRd to BrewTL	\$5,916,934	STP-U, CMAQ	completed	state	\$5,333,643	2011
606131	SANDWICH	Intersection Cotuit Rd at Harlow / So. Sand. Rd. roundabout	\$1,043,641	HSIP	completed	state	\$1,098,743	
606295 605619	SANDWICH FALMOUTH	Route 6 cable barrier installation Route 28 Resurfacing & Related Work	\$300,000 \$5,686,424	HSIP NHS	completed	state state	\$289,867 \$5,369,217	
000010		1 ADVERTISING PROGRAM	ψ0,000,+2+	14110	completed	TOTAL	\$12,091,470	
605243 605375	YARMOUTH DENNIS	Old Town House Rd at Forest Rd Intersection & Signal improv Rte. 134 from Upper County Rd. to Rte. 28	\$1,221,000 \$4,390,504 c	HSIP	completed completed	town town	\$1,221,000 \$4,390,504	
605291	DENNIS	BR# D-007-001 Upper County Rd, 10 Rte. 28	\$10,964,561	BR	completed	state	\$4,390,504 \$10,964,561	
	CCRTA	New transit service Bourne-Sandwich	\$138,580	CMAQ	transferred	CCRTA	\$138,580	2012
	CCRTA 201:	New transit service Bourne-Falmouth 2 ADVERTISING PROGRAM	\$137,540	CMAQ	transferred	CCRTA TOTAL	\$137,540 \$16,852,185	
602213	ORLEANS FALMOUTH	Roundabout at Route 28 & Route 6a	\$1,331,245 \$3,308,075	CMAQ	complete	state	\$1,668,830 \$3,260,348	
605671 607263	BARN-BOU-SAN	Rte 28 Improvements: Davisville/Old Mtghouse & Jones/Worce Changeable Message Boards/Cameras on Rtes 6, 25 and 28	\$3,308,075 \$1,500,000	CMAQ STP	underway underway	state state	\$3,269,348 \$1,301,769	
606286	BOURNE-SANDWIC	HRte 6 Resurfacing:Sagamore Bridge - Sandwich/Barnstable T.l	\$8,200,948	NHS	underway	state	\$8,061,702	2013
605792	CCNS CCRTA	Various Pavement Management Projects New transit service Bourne-Sandwich	\$587,000 \$180,154	NHS CMAQ	transferred transferred	CCNS CCRTA	\$587,000 \$180,154	
	CCRTA	New transit service Bourne-Sandwich	\$178,803	CMAQ	transferred	CCRTA	\$178,803	

CMAQ

CMAQ

CMAQ

STP

CMAQ

transferred

transferred

underway

underway

underway

underway

transferred

CCRTA

CCNS

TOTAL

state

towns

state

state

CCNS

TOTAL

\$178,803 2013

\$101,250 2013

\$8,061,016 2014

\$6,714,952 2014

\$84,240 2014

2014

\$15,247,606 \$7,778,789 2014

\$15,298,631

\$37,937,628

\$178,803

\$101,250

\$7,234,133

\$5,861,202

\$84,240

\$7,389,353 NHPP/HSIP

\$13,894,007 ABP-GANS

CCRTA

CCRTA

BOURNE

CHATHAM

BREWSTER

606178

604488

603690

606016

New transit service Bourne-Falmouth

Ouer Cape Bike Shuttle

Resurfacing and related work

Mitchell River Bridge Replacement

2013 ADVERTISING PROGRAM

Route 6A resurfacing

Ouer Cape Bike Shuttle

2014 ADVERTISING PROGRAM

DENNIS-YARMOUTH Cape Cod Rail Trail Extension

Cape Projects Advertised and Status

Cape Cod Transportation Improvement Program (TIP)

		i iiooa aira otatao					٠ ,	
PROJIS or State Identification (SID) number	MUNICIPALITY of project location	DESCRIPTION	Low bid, award amount, or TIP Programmed Amount	FUND in TIP	Completed?	Project Proponent	award amount, or Construction	YEAR adver- tised (FFY)
606394	BARNSTABLE	Route 28 at Bearses Way	\$5,509,246	TAP/STP/CM AQ/HSIP	advertised	state	\$5,509,246	2015
606179	DENNIS-HARWICH	Route 6 resurfacing	\$2,429,099	STP	underway	state	\$2,283,272	2015
		Ouer Cape Bike Shuttle	\$87,610	CMAQ	transferred	CCNS	\$87,610	2015
·	2015	ADVERTISING PROGRAM				TOTAL	\$7,880,128	

TOTAL amount advertised or obligated \$257,919,950

Appendix E: Statewide Tables

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

as of May 20, 2016

Non Federal Aid Maintenance	Projects - State Bondfunds
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Program Group/Sub Group	Estimated SFY 2017 Expenditures	Estimated SFY 2018 Expenditures	Estimated SFY 2019 Expenditures	Estimated SFY 2020 Expenditures	Estimated SFY 2021 Expenditures
01 - Bridge Repair & Replacement					
New Bridge (Excluded)	n/a	n/a	n/a	n/a	n
Bridge Replacement (Excluded)	n/a	n/a	n/a	n/a	n
Bridge Reconstruction/Rehab	\$0	\$0	\$0	\$0	
Drawbridge Maintenance Structures Maintenance	\$0 \$62,133	\$0 \$43,985	\$0 \$35,373	\$0 \$47,164	\$42,1
Structures Maintenance	\$02,133	\$43,983	\$33,373	\$47,104	\$42,1
02 - Bridge Painting Painting - Structural	\$0	\$0	\$0	\$0	
03 - Roadway Reconstruction					
Hwy Relocation (Excluded)	n/a	n/a	n/a	n/a	
Hwy Recon Added Capacity (Excluded)	n/a	n/a	n/a	n/a	
New Construction (Excluded)	n/a	n/a	n/a	n/a	
Hwy Reconstr - Restr and Rehab	\$2,295	\$3,060	\$4,079	\$3,145	\$3,4
Hwy Reconstr - No Added Capacity	\$0	\$0	\$0	\$0	
Hwy Reconstr - Minor Widening	\$0	\$0	\$0	\$0	
Hwy Reconstr - Major Widening	\$0	\$0	\$0	\$0	
4 - Roadway Resurfacing					
Resurfacing	\$0	\$0	\$0	\$0	
05 - Intersection & Safety Impact Attenuators	\$0	\$0	\$0	\$0	
Safety Improvements	\$0	\$0 \$0	\$0 \$0	\$0 \$0	
Traffic Signals	\$4,968	\$6,625	\$3,864	\$5,152	\$5,
6 - Signs & Lighting					
Electrical	\$0	\$0	\$0	\$0	
Sign Installation / Upgrading	\$0	\$0	\$0 \$0	\$0	
77 - Guardrail Guard Rail and Fencing 88 - Maintenance	\$0	\$0	\$0	\$0	
Catch Basin Cleaning	\$0	\$0	\$0	\$0	
Crack Sealing	\$0	\$0 \$0	\$0	\$0 \$0	
Landscaping	\$0	\$0	\$0	\$0	
Mowing and Spraying	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	
Pavement Marking	\$0 \$0	\$0 \$0	\$0	\$0	
Sewer and Water	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	
	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	
Process/Recycle/Trnsprt Soils Contract Hwy Maint.	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	
9 - Facilities					
Chemical Storage Sheds	\$0	\$0	\$0	\$0	
Vertical Construction	\$0	\$0	\$0	\$0	
0 - Bikeways (Excluded)	n/a	n/a	n/a	n/a	
I1 - Other					
Demolition	\$0	\$0	\$0	\$0	
Drilling & Boring	\$0	\$0	\$0	\$0	
Highway Sweeping	\$0	\$0	\$0	\$0	
Intelligent Transportation System	\$0	\$0	\$0	\$0	
Marine Construction	\$0	\$0	\$0	\$0	
Miscellaneous / No prequal	\$96,607	\$128,809	\$171,745	\$132,387	\$144,
Reclamation	\$0	\$0	\$0	\$0	
Underground Tank Removal Replace	\$0	\$0	\$0	\$0	
Unknown	\$0	\$0	\$0	\$0	
	\$0 \$0	\$0	\$0	\$0	
Grand Total NFA:	\$166,003	\$182,478	\$215,062	\$187,848	\$195, ²
rana i viai III rii	Ψ130,003	ψ102, 4 70	Ψ2 10,002	Ψ101,040	Ψ100,

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

as of May 20, 2016

Federal Aid Maintenance Projects

Program Group/Sub Group	Estimated SFY 2017 Expenditures	Estimated SFY 2018 Expenditures	Estimated SFY 2019 Expenditures	Estimated SFY 2020 Expenditures	Estimated SFY 2021 Expenditures
01 - Bridge Repair & Replacement					
New Bridge (Excluded)	n/a	n/a	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a	n/a	n/a
Bridge Reconstruction/Rehab	\$0	\$0	\$0	\$0	\$(
Drawbridge Maintenance Structures Maintenance	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
					<u>`</u>
02 - Bridge Painting Painting - Structural	\$0	\$0	\$0	\$0	\$0
03 - Roadway Reconstruction					
Hwy Relocation (Excluded) Hwy Recon - Added Capacity (Excluded)	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a
New Construction (Excluded)	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/:
Hwy Reconstr - Restr and Rehab	\$0	\$0	\$0	\$0	\$0
Hwy Reconstr - No Added Capacity	\$31,512	\$18,149	\$21,219	\$23,627	\$20,999
Hwy Reconstr - Minor Widening	\$757,910	\$333,074	\$387,851	\$492,945	\$404,623
Hwy Reconstr - Major Widening	\$0	\$0	\$0	\$0	\$0
04 - Roadway Resurfacing					
Resurfacing	\$4,587,896	\$4,117,215	\$4,407,294	\$4,370,802	\$4,298,437
05 - Intersection & Safety Impact Attenuators	\$0	\$0	\$0	\$0	\$0
Safety Improvements	\$0 \$0	\$0	\$0 \$0	\$0	\$0
Traffic Signals	\$711,443	\$899,170	\$757,821	\$789,478	\$815,489
06 - Signs & Lighting					
Electrical	\$1,165	\$388	\$518	\$690	\$532
Sign Installation / Upgrading Structural Signing	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
07 - Guardrail Guard Rail and Fencing	\$2,492	\$1,769	\$1,420	\$1,894	\$1,695
08 - Maintenance Catch Basin Cleaning	\$0	\$0	\$0	\$0	\$0
Contract Highway Maintenance	\$0 \$0	\$0	\$0	\$0	\$0
Crack Sealing	\$0	\$0	\$0	\$0	\$0
Landscaping	\$13,192	\$6,064	\$8,085	\$9,114	\$7,755
Mowing and Spraying	\$0	\$0	\$0	\$0	St
Pavement Marking	\$0	\$0	\$0	\$0	\$i
Process/Recycle/Trnsport Soils Sewer and Water	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	Si Si
09 - Facilities Chemical Storage Sheds	\$0	\$0	\$0	\$0	Si
Vertical Construction	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	
0 - Bikeways (Excluded)	n/a	n/a	n/a	n/a	n/a
11 - Other					
Demolition	\$0	\$0	\$0	\$0	S
Drilling & Boring	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$i
Highway Sweeping	\$416,504	\$195,335	\$220,066	\$277,301	\$230,90
Intelligent Transportation System					9
Intelligent Transportation System Marine Construction	\$0	\$0	\$0	\$0	
Intelligent Transportation System Marine Construction Miscellaneous / No prequal	\$0 \$0	\$0	\$0	\$0	Si
Intelligent Transportation System Marine Construction Miscellaneous / No prequal Reclamation	\$0 \$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$(\$(
Intelligent Transportation System Marine Construction Miscellaneous / No prequal Reclamation Underground Tank Removal Replace	\$0 \$0	\$0	\$0	\$0	\$0 \$0 \$0 \$0
Intelligent Transportation System Marine Construction Miscellaneous / No prequal Reclamation	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$(\$(

Appendix F: Comments on Public Draft

The Cape Cod Metropolitan Planning Organization (MPO) will consider release of this Draft Transportation Improvement Program (TIP) for the public review/ comment period at their June 27, 2016 meeting, officially beginning the 30-day public comment period. The MPO is expected to consider endorsement of the Cape Cod FFY 2017-2021 TIP at their August 1, 2016 meeting at the Cape Cod Commission Office at 32250 Main Street (Route 6A) in Barnstable, MA 02630. Comments on this TIP may be sent by COB on July 27, 2016 via mail, hand delivered, by facsimile, or via e-mail, as follows:

Mailed or dropped off:

Cape Cod Commission Transportation Program

Glenn Cannon, Technical Services Director

3225 Main Street (Route 6A)

PO Box 226

Barnstable MA 02630-0226

Sent by facsimile to the attention of Glenn Cannon, Technical Services Director, CCC:

FAX: 508-362-3136

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

Comments / Questions received on this TIP:

A Public Comment Summary Grid presenting a summary of the comments received during the 30-day public comment, along with the comments in their entirety, are included on the following pages. The comments were presented in their entirety to the Cape Cod MPO during their August 1, 2016 meeting where the body considered the comments. Consideration of the comments is detailed in the meeting minutes for that meeting. The response and any action taken by the MPO are summarized in this table. Discussion of TIP project programming is also detailed in the meeting minutes from previous MPO and CCJTC meetings listed in Chapter 2 of this document.

# Date/Format	Comment From	Summary of Comment	Potential Response/Action for Consideration
1 5/16/2016,	Various	Leave bike safety gear at the sub police station on Main Street	Action: Some of the ideas support projects already included in
2 5/17/2016,		Include stop again to Starmarket at High school; shuttles + trolleys; allow	the plan; others will be taken into consideration in the
5/18/2016,		skateboarders + bikes to call in for help in inclement weather days; bike lanes in	development of future project. Comments relating to public
5/20/2016		breakdown lanes or on doable traffic roads	transportation will be shared with the CCRTA. Comments
3 Bike Week		More bike lanes for safe riding	referring to a specific location will be shared with the
4 Outreach Events		I'm from Portuguese decent and safe biking is important to me	appropriate Town.
5 Comments made		It is important to spread awareness about biking safety. Thanks for the efforts.	
9		Bike safety awareness is extremely important along the Canal in the summer.	6
10			
7	52	Bike safety is extremely important!	
∞		My Dad used to work for the CCRTA on Cape Cod before GPS + Cell phones, it's a	
		valuable service!	
6	ਵ	You're doing an amazing job! Keep up the good work.	
10		Bickers should be more considerate and stay on the side of the road.	
11		Increase train frequency - I won't go to Boston because I always get stuck waiting	Œ
		hours to get home.	
12		Glens the best I feel safe!	
13		It makes me happy when people use their blinkers!!	
14		Working with the traffic committee to make Beach Rd safe + educate public on safe	
		walking/biking	
15		Connect Claire S. trail for road to P.Town; Better align Claire S. trail with Cape Cod	
		Rail Trail; Improved signage	
16		Continue Cape Cod Rail Trail expansion. We love it!	2 2
17		We love the Shining Sea Bike path!	

	Potential Response/Action for Consideration		the plan; others will be taken into consideration in the	Bump at pine needle In we have many kids playing especially during summer a sign development of future project. Comments relating to public	peed transportation will be shared with the CCRTA. Comments	think that the biggest problem is the intersection of Willow Street and Route 28	traffic everyday; and also at the Airport Rotary	in the navement	s license	P	a bus route close to my street		, streets are too dark	Dark streets, low visibility on the streets, it is hard to see the pedestrians	in front of the cares, they ride on the dark without lights.	hom doesn't drive.	Have a specific line to turn on Route 28 (airport) and Route 28 Centerville (Bell	Tower Mall) get better signs, so tourists will drive better on rotaries		Traffic light on intersection of Old Falmouth Road and Race Lane	on Main Street, Hyannis	Route 28, the road is too narrow	Bus route in Hyannis Centerville and Hyannis, Centerville and Falmouth	have no complaints, It is always good to take a walk on the streets, but there isn't	ly in Hyannis area the streets need improvement on pavement	nath	Concil	Puteri r kids.	r kids. t.t.	r kids.	r kids. It.	r kids. It. It. It. It. It. It. It. It	Sidewalls, bike paths, signs for kids. More buses and more frequent. Fix all the streets. More visibility of buses on Centerville Rotary reconstruction, Yarmouth should fix pot holes - all of them Bus tickets from Hyannis to Boston are very expensive for people like me that needs	r kids. tt. iterville uth should fix pot holes - all of them ston are very expensive for people like me that needs	r kids. tt. tterville uth should fix pot holes - all of them sston are very expensive for people like me that needs ne form of speed controls, a very fast road maybe	Sidewalks, bike paths, signs for kids. More buses and more frequent. Fix all the streets. More visibility of buses on Centerville Rotary reconstruction, Yarmouth should fix pot holes - all of them Bus tickets from Hyannis to Boston are very expensive for people like me that needs to school over there. Telegraph Rd Hyannis Port some form of speed controls, a very fast road maybe
I CLO	Comment From Summary of Comment	Γ	Dark roads, holes in road	Bump at pine needle In we hav	and a bump would help keep s	I think that the biggest probler		My street has too many holes	Allow everyone to have driver	Buses circulation is very limite	I would like to have a bus rout	-	Too many holes on the streets	Dark streets, low visibility on t	The bicycles crossing in front	Should have more buses for w	Have a specific line to turn on	Tower Mall) get better signs, s		Traffic light on intersection of			Bus route in Hyannis Centervil	I have no complaints, It is alwa	I've notices especially in Hyanı	Sidewalk on busy streets; bike path		Sidewalks, bike paths, signs fo	Sidewalks, bike paths, signs for kids. More buses and more frequent.	Sidewalks, bike paths, signs for IMOre buses and more frequent. Fix all the streets.	Sidewalks, bike paths, signs for kids. More buses and more frequent. Fix all the streets. More visibility of buses on Centerville	Sidewalks, bike paths, signs fo More buses and more frequer Fix all the streets. More visibility of buses on Cer Rotary reconstruction, Yarmo	Sidewalks, bike paths, signs fo More buses and more frequer Fix all the streets. More visibility of buses on Cer Rotary reconstruction, Yarmou Bus tickets from Hyannis to Bc	Sidewalks, bike paths, signs fo More buses and more frequer Fix all the streets. More visibility of buses on Cer Rotary reconstruction, Yarmot Bus tickets from Hyannis to Bc to go to school over there.	Sidewalks, bike paths, signs fo More buses and more frequer Fix all the streets. More visibility of buses on Cer Rotary reconstruction, Yarmou Bus tickets from Hyannis to B to go to school over there. Telegraph Rd Hyannis Port sor	Sidewalks, bike paths, signs fo More buses and more frequer Fix all the streets. More visibility of buses on Cer Rotary reconstruction, Yarmou Bus tickets from Hyannis to Bc to go to school over there. Telegraph Rd Hyannis Port sor

Potential Response/Action for Consideration	continued from previous page																									100			50					929			
Summary of Comment	Cape Cod lacks public transportation throughout the Cape's towns. There is no	information, it is very confusing.	Hyannis area lacks public transportation	Everything is great. Congratulations.	I am a manager for a company and its employees utilize public transportation.	However, there is no schedule set up for Brewster to attend their needs.	More buses; more stop signs; more light on the streets	Sidewalks for pedestrians; bike path	Sidewalks on Route 28	More sidewalks/bike path	Buses throughout Cape Cod every 30 minutes	More buses	Roads lacks light, also narrow streets; too many plants diminishing visibility	People can only use cars, even though, driving without a driver license make e	greater risk for accidents	I think there should be more buses and more bus stops	Make streets longer, like double lanes to avoid traffic congestion		The lack of public transportation and nor enough sidewalks for pedestrians and	those who ride their bikes daily.	More public transportation; more rotaries so the traffic can flow better	light pole in front of my house is very dark, I have 2 children and cars keep parking	at night - West Yarmouth	Maybe streets should have sidewalks, should also have a better public	transportation with more stops options.	Route 28, between Bearse's Way and Pitcher's Way needs sidewalk.	Yarmouth needs new pavements	Sidewalks; bike paths	public transportation; sidewalks; bikepaths/traffic light	More lights on Route 28, 132 and 6A	Some points need more lights on the street	More streets with sidewalks	The intersection of Route 28 and Camp Street should have better signs giving	preferential to drivers leaving Camp Street into Route 28.	Make public transportation better buses/train/metro. Shoulder in various streets	Consideration of the first section of the first sec	Special iane for bikes, better public transportation with more buses and more frequent.
Comment From	continued from	previous page								2						R																					,
# Date/Format	46 continued from	previous page	47	48	49		50	51	52	53	54	55	56	57		58	59	09	61		62	63		64		65	99	29	89	69	70	71	72		73	1	/4

Potential Response/Action for Consideration	e way continued from previous page	32								on for			21					in and the second	1			,					no									×			
Summary of Comment	No bus availability to areas that are needed. On 28 near the train station all the way continued from previous page	to the rotary is in very poor	Everything is perfect.	There are some road woks that start simmer time making traffic worse and our	schedule more difficult	Airport rotary; railroad crossing/DJ wings	Make the streets better - Alicia Road - Megan Street	Cape Cod is an excellent place, therefore needs a better public transportation	Nothing.	Lacks information to where and when to get the bus, to move our the legislation for	bike and cars	Exit 6 B between Exit 6 and Exit	Centerville Plaza need signaling	Rosary Ln in Hyannis needs repairs	Pot holes	Centerville Plaza is very dangerous, needs signaling	Needs more buses	More buses options, because one doesn't have car and needs to travel far.		Thank you for reaching our Brazilian Community.	Strawberry Hill Rd and Blueberry Hill Rd needs repair	Too many pot holes on Blueberry Rd; Bumps on Phinneys Ln or Midway Dr	Fix not holde in heavy traffic roads	The portiones in the avy dialitic loads.	All of Rte 28 needs repair. Too many Pot holes (hard on driving)	Rotary should be signaling	Thank you very much for the opportunity to express out opinions. God bless you	and God bless this nation.	Willow Street is terrible - you guys gotta do something with that	Dark streets	Better paving	Better buses schedules lost of people needs to be at work early, like 6 AM,	Saturdays and Sundays	More sidewalks	More bus stops	Should have more buses going to all towns on Cape Cod	Traffic lights between Rte 28 and Willow Street needs to be modified with the	timing to turn and to go straight	
Comment From	continued from	previous page																								*													
# Date/Format	75 continued from	previous page	76	77	A	78	79	80	81	82		83	84	85	86	87	88	68		06	91	92	03	2	94	95	96		97	86	66	100		101	102	103	104		I

#	Date/Format	Comment From	Summary of Comment	Potential Response/Action for Consideration
106	continued from previous page	continued from previous page	. Is great how you guys working	continued from previous page
107			Better public transportation and shoulder so we can stop without disturbing traffic	
108	9		Sidewalks at Hyannis - I live close to Cape Cod Hospital - when the people left the Cape Cod Hospital	
109			It would be good to have pedestrian lane and bike lane, also sidewalks on Route 28 near T.J.Max	
110				
112	ାଷ୍ଟ	×	Side roads are awrul in Hyannis On my street there is no public lights, at night is very dark	9
113			Noute 28	s.
1 1 4			North Street with Stevens Street stop sign, Hyannis, Bearse's way around 4pm has too much traffic	5
115			More buses for whom does not drive	2
116			We need a stop sign cross Bumpus Rd and Fisher Rdath the end of the street. Accidents are already happened there.	
117			Portuguese signs for drivers. Thank you	
118			Megan Rd needs new pavement and sign in Portuguese and more bike lanes	2
119			We don't have enough public transportation	
120			Double Willow Street, more care on General Patton Dr	
121			Would be interesting to have more public transportation. I live in Sandwich, little far	
			8	
122	6/22/2016 email	Marcia N Burns	Notes majority opposition of project #606596 [Rte 28 - W. Chatham] from businesses and the public; notes third lanes has worked well for years; notes tax money should be spent elsewhere	Thank you for your comment.
123	123 6/22/2016 email	Gloria M. Freeman	rt, notes W. Chatham project should be removed wanted, unneeded, and waste of taxpayer's	Thank you for your comment.
124	124 6/22/2016 email	Bill Tuxbury	Supports [FFY 2016-19] amendment; would prefer to see W. Chatham project removed entirely, refers to project as a beatification unwarranted project based on	Thank you for your comment.
	9		with the proposed roundabout handling large trucks; notes business impacts of the project, notes minor improvements to the corridor that could be accomplished through Ch. 90 funds	a g
125	6/23/2016 email with letter attached	David E Burns MD, President of West Chatham Association, Inc.	Supports [FFY 2016-19] amendment; opposes West Chatham project; notes continued opposition to the project	Thank you for your comment.

Summary of Comme		Transit integration of modes (CCRTA, PB, Peter Pan); Next bus needs intermediate the plan; others will be taken into consideration in the points; no incentives for Charlie Card on Cape Cod; feeder from Cape Cod to development of future project. Comments transportation will be shared with the CCRTA. Comments	gh carpooling; I love the bus; alternate fuel buses/electric buses; add park ids on buses	Bearses Way at Route 28 is bad Should use rail ROW for rail trail extension to Provincetown; need better service to	P-Town from Hyannis - express to Orleans to link to the Flex; CCRTA meetings on service have too short (48hr) notice to get attendance.	Route 28 at Strawberry Hill - grade issues; Strawberry Hill at Craigsville intersection -	lights or something Pet spots on bus - more bus friendly	Connect sidewalk on Route 134 in Dennis over Route 6 with existing pedestrian paths		two, Janice Supports [FFY 2016-19] amendment; notes citizen and business opposition to West Thank you for your comment. Chatham project; notes project is a waste of money lichaele hin (Owners ME AGAIN)	Cauley Opposes West Chatham project noting project is not necessary, is a waste of money, and has been opposed by majority of residents; notes concern with encouraging bicyclists on Rte 28		minitruck2@comcast Supports [FFY 2016-19] amendment; notes citizen opposition to West Chatham Thank you for your comment.		restriction wear and business opposition, notes control is safe and operates wen, notes project is Chatham Association, not more than a beautification project	Ray Thank you for your comment.
Comment From	Various					. 33			Judy Patterson	Donna Ritvo, Janice Kurlychek, Lisa Young, Michaele Beauchemin (Owners of AT HOME AGAIN)	Mary McCauley	Judith B. Kelly	minitruck2@com.	David E Burns MD,	Chatham Associat	Rosaline Ray
# Date/Format	126 7/18/16	127 Outreach table at Hyannis Transportation		129	α	131	132	133	134 7/19/2016 email	135 7/19/2016 email	136 7/19/2016 email	137 7/19/2016 email	138 7/19/2016 email	139 7/19/2016		140 7/22/16

# Date/Format	Comment From	# Date/Format Comment From Summary of Comment	Potential Response/Action for Consideration
141 7/22/16	David Mohler,	Typographical errors noted or clarification requested on pages i, 3, 8, 12, and 13.	Action: Make revisions or add clarification as suggested.
letter via email	Executive Director,		
	Office of	Federal Highway Project Listing: Please do not over-program CMAQ and HSIP	Action: Revisions will be made as recommended.
	Transportation	targets. Update project costs to reflect the most recent TFPC with appropriate YOE	
	Planning, MassDOT	factor. Reorient TIP template to landscape format and increase font size. Remove	
70		BRI17 for Cape Cod HSIP as it is included in the statewide program. Updated all	
		"additional information fields" to reflect actual costs. Adjust TAP allocation to	
		reflect final federal targets.	
		Appendix A: Please include scores, where appropriate, for projects that are	Scores for all considered projects, both programmed and
		unprogrammed, in addition to programmed projects.	unprogrammed projects, are included in Appendix A. The
			Proposed TIP Year is listed for each project with unprogrammed
1		장	projects listed as "Future."
		Appendix B: Update GHG analysis per latest guidance.	Action: GHG analysis will be updated as recommended.

Acronyms: AC = advanced construction; CCC = Cape Cod Commission; CCRTA = Cape Cod Regional Transit Authority; CMAQ = Congestion Mitigation and Air Quality; DPW = Department of Public Works; GHG = Greenhouse gas; HSIP = Highway Safety Improvement Program; MassDOT = Massachusetts Department of Transportation; MPO = Metropolitan Planning Organization; RTP = Regional Transportation Plan; TIP = Transportation Improvement Program; TFPC = Total Federal Participating Cost; UPWP = Unified Planning Work Program; YOE = Year of Expenditure Note: The Public Comment Summary Grid presents a summary of the comments received during the 30-day public comment period. The comments were presented in their entirety to the Cape Cod Metropolitan Planning Organization (MPO) during a public meeting where the body considered the comments. The response and any action taken by the MPO are summarized in this table. This table will be included in the final plan and is available at www.capecodcommission.org/mpo.

From: To: Glenn Cannon

Subject:

Marcia Burns RE: MPO

Date:

Thursday, June 23, 2016 10:00:02 AM

Hello Marcia,

We will include your comment in the Metropolitan Planning Organization meeting packet.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: Marcia Burns [mailto:mnburns14@gmail.com]

Sent: Wednesday, June 22, 2016 2:01 PM

To: Glenn Cannon Subject: Fwd: MPO

To the Metropolitan Planning Organization (C/O Glenn Cannon, Cape Cod Commission)

Dear Members:

I am writing to you as a private citizen to say that this project, proposed by proponents of 'special interests' in Chatham, has for the past number of years raised the ire of both residents and the overwhelming number of businesses in the West Chatham neighborhood center. A strong majority object and protest the proposed changes. Project #606596 is not needed; the one thousand foot stretch of Rte 28 has been functioning for 40 plus year, is proven safe, and the third lane used effectively for safe turning into resident driveways and the many businesses. Forty-six businesses oppose the proposed project; yet their objections have been ignored.

So many individuals hope that their voice is finally being heard. Spend our tax money

Marcia N Burns West Chatham

elsewhere.

From:

Glenn Cannon

Steven Tupper

To:

freeannie@comcast.net

Cc: Subject:

RE: Draft FFY 2016-2019 TIP

Date:

Wednesday, June 22, 2016 11:59:42 AM

Thank You for your comment.

Your comment will be provided to both the Cape Cod Joint Transportation Committee (CCJTC) and the Cape Cod Metropolitan Planning Organization (CCMPO).

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: freeannie@comcast.net [mailto:freeannie@comcast.net]

Sent: Wednesday, June 22, 2016 11:21 AM

To: Glenn Cannon

Subject: Draft FFY 2016-2019 TIP

To: Members, Metropolitan Planning Organization

From: Gloria Freeman, 208 Kendrick Road, North Chatham, MA 02650

Re: Draft FFY 2016-2019 TIP

Please consider this my <u>support</u> of this draft plan which includes TIP Project #606596 Improvements on West Main Street (Route 28), Chatham, between George Ryder Road to Barn Hill Road. I strongly believe not only that this Project should be postponed, but in fact removed from the TIP until the people's voices are heard and some amount of fiscal responsibility is ensured. The bloated proposed project has been controversial since its inception. The removal of the two-way turning lane and the construction of two roundabouts within 900 feet of each other are unwanted and unneeded and a waste of taxpayer's dollars.

Thank you for the opportunity to comment.

Gloria M. Freeman

From:

Glenn Cannon

To:

Bill Tuxbury

Subject:

RE: 2016-2019 amendment public comment period

Date:

Wednesday, June 22, 2016 4:16:09 PM

Thanks Bill,

I will forward your comments to both the Cape Cod Joint Transportation Committee and the Cape Cod Metropolitan Planning Organization for consideration at their next meetings.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: Bill Tuxbury [mailto:wtuxbury@comcast.net]

Sent: Wednesday, June 22, 2016 12:00 PM

To: Glenn Cannon

Subject: 2016-2019 amendment public comment period

To the Metropolitan Planning Organization (c/o Glenn Cannon of Cape Cod Commission):

I was under impression that another 30 days was to be extended for comments on the changes to the 2016-2019 TIP. After reviewing the agenda for the June 27 MPO meeting I am not sure, so I am sending my comments along.

The decision to move the West Chatham Roadway Project (#606596) from FY2016 to FY2018 is a good one and agreeable to me and to the West Chatham Association. In fact we believe that the project is just an expensive beautification project as accident and speeding data do not warrant the drastic changes to the short RT 28 roadway distance (approx. 1200 feet).

The project as defined by the consultant will only generate more congestion as there is no center turning lane that allows through traffic to proceed to either downtown Chatham (east bound) or to Harwich (west bound). The 2 roundabouts (only 100 feet in diameter each) will have difficulty handling the approximate 18,000 cars per day in the peak summer season and result in more congestion. The consultant opted not to do any traffic studies in the high summer season (when the local businesses must make their year) for fear that the results would dictate a 4 lane road. Instead we are getting a 2 lane road with 2 roundabouts 900 feet apart. Based on the consultants comments even he is expecting congestion in this stretch of RT 28 during the high season. This is not fair to the local businesses or the local residents. In addition it is still not clear that the roundabouts can handle the large trucks that are towed into Ron Meservey's Truck repair business.

Changes to the access to and egress from the major businesses in West Chatham will greatly

disadvantage those businesses. Shop Ahoy Plaza is losing an entrance on RT 28 and their entrance from Barn Hill has been greatly downsized. Clearly the OSJL property (KIMCO owner) is losing a convenient entrance to their store as it is now being moved north, with that entrance almost at the building itself. Besides losing over 12,000 sq ft of property, OSJL is losing over 20 parking spaces for their business. The businesses residing in the Post Office area will be disadvantaged as the entrance from and exit to RT 28 is being reduced in width preventing exiting cars to turn right while another car is trying to turn left. Additionally there is no turn lane at this entrance meaning that more congestion will result, as will more turning and rear end accidents. For a design that purports to improve safety and reduce speeding (both not proven by the consultant's own report), it will disadvantage the West Chatham businesses, which is considered the second most important commercial area in Chatham per the 2004 Comprehensive Long Range Plan.

In retrospect, all we need is a south sidewalk (use Chapter 90 dollars perhaps), restriping lanes to narrow widths (11 feet), ADA approved cross-walks, perhaps pedestrian refuge islands at the 2 or 3 crosswalks, and a joint use north sidewalk (expand current 5 foot width to 8-10 feet). This would be significantly less expensive, require no land acquisition of consequence and not adversely impact the businesses, particularly OSJL, Shop Ahoy Plaza and those businesses in the post office square where exit and entrance configurations are being significantly changed and restricted. The last thing we want is a bankrupt West Chatham business district, replaced with high density condos.

A further delay to this project beyond FY2018 is desired so that a more reasonable, less expansive and less expensive project can be agreed upon. I hope that common sense will prevail.

Sincerely,

Bill Tuxbury West Chatham From:

Glenn Cannon

To:

David Burns

Subject:

RE: Concerning Delay of West Chatham Roadway Project (#606596) from FY2016 to FY2018

Date:

Thursday, June 23, 2016 9:57:12 AM

Thank You Dr Burns.

We will include this letter in both the Joint Transportation Committee and Metropolitan Planning Organization packets.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

----Original Message----

From: David Burns [mailto:mdburns14@comcast.net]

Sent: Wednesday, June 22, 2016 2:20 PM

To: Glenn Cannon

Subject: Concerning Delay of West Chatham Roadway Project (#606596) from FY2016 to FY2018

Dear Glenn,

Please present this letter to the MPO Committee Members.

David

The West Chatham Association, Inc.

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

June 22, 2016

Cape Cod Metropolitan Planning Organization c/o Glenn Cannon, Technical Services Director

Members of the Cape Cod MPO:

I am writing on behalf of the Board of Directors of the West Chatham Association, Inc. to comment on and support the Draft FFY 2016-2019 TIP. Thank you for this opportunity.

We strongly support the amendment to the above-mentioned TIP Project #606596 Chatham – Improvements on West Main Street (Route 28), from George Ryder Road to Barn Hill Road. This amendment removes this project from the 2016 plan and adds it to that of 2018.

We hope for future cancellation of this Project since it is unwanted by thousands of citizens who signed a petition against it, the overwhelming number of businesses in the neighborhood center, and Town Meeting attendees who voted against it. While there are some who will counter that people have changed their minds, there is absolutely no indication of that being true. This Project has been and continues to be strongly opposed, including by two members of our Board of Selectmen. The road was repaved recently and satisfactory until commonsense prevails and this drastic overkill project is set aside.

Sincerely,

David E. Burns, M.D. President

From:

Glenn Cannon

Sent:

Tuesday, July 19, 2016 12:23 PM

To:

judylpat@rcn.com

Subject:

RE: Draft FFY 2016-2019 TIP - PROPOSED DELAY

Hi Judy,

I will include your comment in the Cape Cod Metropolitan Planning Organization (CCMPO) meeting packet for their consideration.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: judylpat@rcn.com [mailto:judylpat@rcn.com]

Sent: Tuesday, July 19, 2016 12:16 PM

To: Glenn Cannon

Subject: Draft FFY 2016-2019 TIP - PROPOSED DELAY

Attention: Members, Metropolitan Planning Organization,

Just a note to let you know I strongly support the above Transportation Improvement Plan #606596 which includes the delay or **hopefully the removal of this project**. The overwhelming majority of Chatham citizens oppose this plan. My family owns land that is affected by this horrific reduction in lanes. We also own land that a business is located on in this area. The removal of the third lane will cause serious traffic issues. This project is a waste of federal, state, and local taxes.

Thank you for consideration in getting this project removed.

Sincerely,

Judy Patterson
Post Office Box 242
West Chatham, MA 02669

Representing the Jean Harding Trust (1620 Main Street and 1652 Main Street) The Patterson Family Trust

From:

Glenn Cannon

Sent:

Tuesday, July 19, 2016 12:26 PM

To:

At Home Again

Subject:

RE: WEST CHATHAM ROADWAY PROJECT

Hi Janice,

I will include your comment in the Cape Cod Metropolitan Planning Organization (CCMPO) meeting packet for their consideration.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: At Home Again [mailto:athomeagain@gmail.com]

Sent: Tuesday, July 19, 2016 10:25 AM

To: Glenn Cannon

Subject: WEST CHATHAM ROADWAY PROJECT

Glenn Cannon,

This is to state our support of the draft FFY 2016-2019 TIP. Project #606596 (West Chatham Roadway Project) has been and continues to be strongly opposed by Chatham citizens and business owners. It is a waste of federal, state and local taxes. Please consider our request.

Donna Ritvo
Janice Kurlychek
Lisa Young
Michaele Beauchemin
Owners of:
AT HOME AGAIN
1705 Main Street

Chatham

From:

Glenn Cannon

Sent:

Tuesday, July 19, 2016 12:27 PM

To:

mary mccauley

Subject:

RE: West Chatham Road Project we don't need it or want it

Hi Mary,

I will include your comment in the Cape Cod Metropolitan Planning Organization (CCMPO) meeting packet for their consideration.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

----Original Message----

From: mary mccauley [mailto:msmary@optonline.net]

Sent: Monday, July 18, 2016 10:54 AM

To: Glenn Cannon

Subject: West Chatham Road Project we don't need it or want it

HI Mr Cannon.

I have been a summer resident for 20 years and have spent all of them in West Chatham. I am opposed to this project as it is not necessary and a waste of tax payer dollars. I am utterly shocked that the "non binding vote" taken to get a read on how well this project was received by the "real residents" was voted down NO PROJECT ... yet the selectman chose to proceed to spend more money and do yet another study. I was at the Meeting where Mr. Roper actually addressed the fact that that this happened and I quote "the misinformed majority voted to stop the project but we are going to move forward any way"

I am not sure who is winning on this deal but as a non voting summer resident (taxation with out representation) I don't want it and the MAJORITY of the towns people don't want it....

There have been many close elections and at the end of the day the majority rules only in Chatham does a majority vote not count....

I use the Cape Cod rail trail everyday on my Bike it is a safe place to cycle . Route 28 in the summer is hectic, crowded and impossible to make a left hand turn . Taking out the turn lane will be a traffic disaster for all .

The businesses don's want it nor do the people who actually live in West Chatham .

The fact the there is the possibility to encourage cyclist to ride on route 28 is insane.... my husband has been hit on his bike 2 times... we ride the bike trail because it is safe.

Please do us all a favor stop the project we don't wantNOR do the "misinformed majority"

You can actually see this on one of the broadcasts it was filmed when Mr. Roper was speaking.....

Sincerely,

Mary McCauley 101 Geranium Drive West Chatham , Ma 02669 203-984-0184

From:

Glenn Cannon

Sent:

Tuesday, July 19, 2016 12:27 PM

To:

Judith Kelley

Subject:

RE: West Chatham Roadway Project

Hi Judith,

I will include your comment in the Cape Cod Metropolitan Planning Organization (CCMPO) meeting packet for their consideration.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: Judith Kelley [mailto:jbkelley@outlook.com]

Sent: Monday, July 18, 2016 11:54 AM

To: Glenn Cannon

Subject: West Chatham Roadway Project

To: Members, Metropolitan Planning Organization, c/o Glenn Cannon

This is to state my support of the draft FFY 2016-2019 TIP. Project #606596 (West Chatham Roadway Project) has been and continues to be strongly opposed by Chatham citizens. It is a waste of federal, state, and local taxes.

Sincerely, Judith B. Kelley West Chatham

Sent from Mail for Windows 10

From:

Glenn Cannon

Sent:

Tuesday, July 19, 2016 12:29 PM

To:

minitruck2@comcast.net

Subject:

RE: Draft FFY 2016-2019 TIP

Hello,

I will include your comment in the Cape Cod Metropolitan Planning Organization (CCMPO) meeting packet for their consideration.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: minitruck2@comcast.net [mailto:minitruck2@comcast.net]

Sent: Sunday, July 17, 2016 12:37 AM

To: Glenn Cannon

Cc: minitruck2@comcast.net Subject: Draft FFY 2016-2019 TIP

To Members, Metropolitan Planning Organization, care of Glen Cannon:

I strongly support the draft FFY 2016-2019 Transportation Improvement Plan, INCLUDING the delay or removal of TIP Project #606596 (West Chatham Roadway Project) from the TIP. The overwhelming majority of all Chatham citizens oppose this plan. It is a waste of federal, state, and local taxes.

From:

Glenn Cannon

Sent:

Tuesday, July 19, 2016 12:30 PM

To:

David Burns

Subject:

RE: To MPO Committee: Support for the Delay of Project # 606596

Hello Dr. Burns,

I will include your comment in the Cape Cod Metropolitan Planning Organization (CCMPO) meeting packet for their consideration.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: David Burns [mailto:mdburns14@comcast.net]

Sent: Saturday, July 16, 2016 11:44 PM

To: Glenn Cannon

Subject: To MPO Committee: Support for the Delay of Project # 606596

Hi Glenn:

Please make sure the MPO Board views this statement

I strongly support the draft FFY 2016-2019 Transportation Improvement Plan, that includes the **delay** or **removal** of TIP Project #606596 (West Chatham Roadway Project) from the TIP. The overwhelming majority of Chatham citizens **oppose** this plan as well as 40 plus West Chatham Business. This segment of Rte 28 roadway is safe, recently paved, and functions well for forty (40) years. The Project is nothing more than an expensive beautification project which too many oppose.

David E Burns MD, President of West Chatham Association, Inc. PO Box 291 West Chatham, 02669-0291

From:

Glenn Cannon

Sent:

Monday, July 25, 2016 10:21 AM

To:

Rosalie Ray

Subject:

RE: Comment on the Cape Cod TIP

Hi Rosalie,

Thank You for your comment. I will pass your comment onto the Cape Cod Metropolitan Planning Organization (CCMPO for their consideration.

Glenn

Glenn Cannon Director of Technical Services 3225 Main Street, P.O. Box 226 Barnstable, MA 02630 (508) 362 - 3828

From: Rosalie Ray [mailto:rsquared906@googlemail.com]

Sent: Friday, July 22, 2016 3:50 PM

To: Glenn Cannon

Subject: Comment on the Cape Cod TIP

Hello,

I am a seasonal user of the Provincetown shuttle. First of all, I just want to say that it is a great service and works well with the Fast Ferry, so that I can have a car free trip to the beach. That said, folks I recommend it to (and my girlfriend) are put off by the lack of schedule. I get it, because a flag service that serves mostly occasional users and is very accommodating can't promise a schedule, but I also see where they are coming from. I noticed that the TIP contains funding for new ADP software and bus shelter renovations. I wanted to suggest that it also incorporate tracking software and display screens or some sort of countdown (or even an app and better wifi) at the beaches and McMillan Pier. Knowing where the bus is is better than a schedule. I know that this would require working with the NPS, but you might also be able to get funding through the transit in parks program.

Just a thought, and thanks again for the great service! See you next year!

Rosalie Ray

Urban Planning PhD Student Columbia University Graduate School of Architecture, Planning, and Preservation





July 22, 2016

Paul Niedzwiecki, Executive Director Cape Cod Commission 3225 Main Street Barnstable, MA 02630

Dear Mr. Niedzwiecki:

The Massachusetts Department of Transportation (MassDOT) Office of Transportation Planning (OTP) has reviewed the draft 2017-2021 Transportation Improvement Program (TIP) released by the Cape Cod Metropolitan Planning Organization (MPO) on June 27, 2016. The following MassDOT comments include both general guidance and specific comments on the MPO's 3C planning process with regard to the content of this document as released for public review.

Please note the following comments specific to the information contained in the MPO's draft 2017-2021 TIP.

 Please ensure that the required greenhouse gas self-certification sheet is signed and included in the final document.

Narrative

- Page i Please change the FHWA Administrator from Pamela Stephenson to Jeffrey McEwan.
- Page 3 Please change the time horizon of the TIP from four years to five years.
- Page 8 Please include procedures for removing a project from the TIP, in addition to adding a project to the TIP, in the "Amendment Process" section.
- Page 12 Please update Table 6 to reflect final regional target amounts, specifically STP and TAP allocations.
- Page 13 MassDOT appreciates the use of maps such as the "Map of Funded Highway Projects." Increased use of maps and graphics lends to the overall readability and user-friendliness of the document.

Federal Highway Project Listing

- Please do not over-program CMAQ and HSIP targets. Program up to the target amount and use other funding sources to cover the remainder of the project costs.
- Please reorient TIP template sheets into landscape format to increase font size and improve readability.

FFY 2017

- CC1000 Please update the total amount programmed for this project in the Additional Information field to reflect the actual cost.
- Please do not over-program CMAQ. Please adjust the funding sources for 606707 to use other funding sources for costs exceeding the CMAQ target.
- Please remove BRI17 from the Cape Cod HSIP program. This program is already included in the statewide program.

FFY 2018

- 606596 Please change the total project cost to reflect the current Estimated Total Federal Participating Construction Cost (TFPCC) plus year of expenditure (YOE) factor in the MassDOT Project Information (PINFO) database. Please ensure that fiscal constraint is maintained in FFY 2018.
- Please adjust funding sources as necessary for projects using CMAQ and HSIP to avoid over-programming these sources. Please use STP to cover project costs exceeding the CMAQ and HSIP targets.
- 607435 Please ensure that the total project cost matches the TFPCC in PINFO plus YOE factor.
- CC1000 Please update the Additional Information field to reflect the total project cost.

FFY 2019

- Please see FFY 2018 comment regarding over-programming CMAQ and HSIP and adjust project funding sources accordingly.
- 607397 Please ensure that the total project cost reflects the TFPCC plus YOE factor.

FFY 2020

- 606900
 - Please change the MassDOT Project Description field to exactly match the description in PINFO.
 - Please ensure that the total project cost reflects the TFPCC plus YOE factor.
- Please see FFY 2018 comment regarding over-programming CMAQ and HSIP and adjust project funding sources accordingly.
- Please adjust TAP allocation to reflect final federal regional targets and adjust project funding sources accordingly.

FFY 2021

- Please see FFY 2018 comment regarding over-programming CMAQ and HSIP and adjust project funding sources accordingly.
 - 607405 Please ensure that the total project cost reflects the TFPCC plus
 YOE factor.
- Please adjust TAP allocation to reflect final federal regional targets and adjust project funding sources accordingly.

Federal Transit Project Listing

 Please reorient TIP template sheets into landscape format to increase font size and improve readability.

Appendix A

 Please include scores, where appropriate, for projects that are unprogrammed, in addition to programmed projects.

Appendix B

For the purpose of ensuring compliance with 310 CMR 60.05: Global Warming Solutions Act Requirements for the Transportation Sector and the Massachusetts Department of Transportation, we have provided the following comments to be addressed in the GHG sections of your TIP (for more information on reporting, please see the guidance document issued by MassDOT in December 2015:

https://www.massdot.state.ma.us/GreenDOT/GreenhouseGasReduction.aspx):

- It appears that an older template may have been used. This appears to be the
 case for the GHG section dropdown options, which are not correct and do not
 reflect this year's TIP template options. Please use the new TIP template as the
 dropdown options have changed. Please refer to the guidance document issued
 by MassDOT in December 2015 for reporting guidelines.
- Please update the greenhouse gas emission results on statewide funded projects with the information that will be provided by OTP before endorsement.

2017 Highway

- 606707- GHG impacts are reported under each funding source instance, triple counting the GHG impact. Please only list the impact number once in the TIP.
- CC2000 Please only list the GHG impact number of this project in the last year that the project appears in the TIP.
- CC1000 Please only list the GHG impact number of this project in the last year that the project appears in the TIP.
- All project GHG impact descriptions are from an outdated template. Please correct to reflect the dropdown options included in this year's TIP template.

2018 Highway

- CC2000 See FFY 2017 comment above.
- CC1000 See FFY 2017 comment above.
- For all qualitative projects, please leave the GHG impact number field blank and remove all zeros.
- All project GHG impact descriptions are from an outdated template. Please correct to reflect the dropdown options included in this year's TIP template.

- 607444 and 607435 Please apply the complete streets tool if possible.
- 606596 This appears to be a very small reduction for the scale of the project.

2019 Highway

- CC2000 See FFY 2018 comment above.
- For all qualitative projects, please leave the GHG impact number field blank and remove all zeros.
- All project GHG impact descriptions are from an outdated template. Please correct to reflect the dropdown options included in this year's TIP template.
- 607397 and 606272 Please apply the complete streets tool if possible.

2020 Highway

- CC2000- See FFY 2019 comment above.
- Please apply the complete streets tool to the remainder of the projects in Section 1A if possible.
- For all qualitative projects, please leave the GHG impact number field blank and remove all zeros.
- All project GHG impact descriptions are from an outdated template. Please correct to reflect the dropdown options included in this year's TIP template.

2021 Highway

- CC2000- See FFY 2020 comment above.
- Please apply the complete streets tool to the remainder of the projects in Section 1A if possible.
- For all qualitative projects, please leave the GHG impact number field blank and remove all zeros.
- All project GHG impact descriptions are from an outdated template. Please correct to reflect the dropdown options included in this year's TIP template.

Completed highway projects

- Please note that there is no need to track qualitative projects.
- Please clarify if the reductions in CC2000 listed here are additional to those listed against CC2000 in the Highway 2017-2021 tabs.

Completed transit projects

Please note that there is no need to track qualitative projects.

Please contact me at (857) 368-8865 or Gabriel Sherman at (857) 368-8866 if you have any questions.

Sincerely,

David Mohler

Executive Director

Office of Transportation Planning

Cc: Jeffrey McEwen, Division Administrator, Federal Highway Administration Mary Beth Mello, Regional Administrator, Federal Transit Administration

Mary-Joe Perry, District 5 Highway Director

Astrid Glynn, Rail and Transit Division Administrator



