

2020 Cape Cod Region Transportation Improvement Program

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information
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► Section 1A / Regionally Prioritized Projects

► Regionally Prioritized Projects

Intersection Improvements		606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	STBG	\$ 4,008,535	\$ 3,206,828	\$ 801,707	Construction; Total project cost = \$15,756,274 (2019 STBG + 2019 HSIP + 2019 CMAQ + 2019 TAP + 2019 Statewide NFP + 2020 STBG + 2020 HSIP); MPO score = 83; AC Year 2 of 2; Municipality is TAP proponent; RSA performed; CMAQ approved
Intersection Improvements		606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	HSIP	\$ 458,514	\$ 412,663	\$ 45,851	Construction; Total project cost = \$15,756,274 (2019 STBG + 2019 HSIP + 2019 CMAQ + 2019 TAP + 2019 Statewide NFP + 2020 STBG + 2020 HSIP); MPO score = 83; AC Year 2 of 2; Municipality is TAP proponent; RSA performed; CMAQ approved
Intersection Improvements		606272	Cape Cod	Barnstable	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	TAP	\$ 205,809	\$ 164,647	\$ 41,162	Construction; Total project cost = \$15,756,274 (2019 STBG + 2019 HSIP + 2019 CMAQ + 2019 TAP + 2019 Statewide NFP + 2020 STBG + 2020 HSIP); MPO score = 83; AC Year 2 of 2; Municipality is TAP proponent; RSA performed; CMAQ approved
Roadway Reconstruction		606900	Cape Cod	Bourne	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	5	STBG	\$ 4,839,501	\$ 3,871,601	\$ 967,900	Construction; Total project cost = \$5,885,786 (STBG + CMAQ); MPO score = 82; CMAQ approved
Roadway Reconstruction		606900	Cape Cod	Bourne	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	5	CMAQ	\$ 1,046,285	\$ 837,028	\$ 209,257	Construction; Total project cost = \$5,885,786 (STBG + CMAQ); MPO score = 82; CMAQ approved
Planning / Adjustments / Pass-throughs		CCBR20	Cape Cod	Multiple	CAPE COD - BICYCLE RACK PROGRAM	5	CMAQ	\$ 100,000	\$ 80,000	\$ 20,000	Construction; Total project cost = \$100,000; MPO score = 52; CMAQ approved; Funds to be applied for by municipalities.

Regionally Prioritized Projects subtotal ► \$ 10,658,644 \$ 8,572,767 \$ 2,085,877 ◀ Funding Split Varies by Funding Source

► Section 1A / Fiscal Constraint Analysis

Total Regional Federal Aid Funds Programmed ►	\$ 10,658,644	\$ 10,935,690	◀ Total	\$ 277,046	Target Funds Available
STBG programmed ►	\$ 8,848,036	\$ 7,078,429	◀ STBG		
HSIP programmed ►	\$ 458,514	\$ 412,663	◀ HSIP		
CMAQ programmed ►	\$ 1,146,285	\$ 917,028	◀ CMAQ		
TAP programmed ►	\$ 205,809	\$ 164,647	◀ TAP		

Section 1A Instructions: MPO Template Name) Choose Regional Name from dropdown list to populate header and MPO column; Column C) Enter ID from ProjectInfo; Column E) Choose Municipality Name from dropdown list; Column H) Choose the Funding Source being used for the project - if multiple funding sources are being used enter multiple lines; Column I) Enter the total amount of funds being programmed in this fiscal year and for each funding source; Column J) Federal funds autocalculates. Please verify the amount and only change if needed for flex. Column K) Non-federal funds autocalculates. Please verify the split/match - if matching an FTA flex, coordinate with Rail & Transit Division before programming; Column L) Enter Additional Information as described - please do not use any other format.

Comments on **DRAFT FFY2020-2024 TIP Amendment #4** will be accepted through May 18, 2020 via mail, by facsimile, or via e-mail, as follows:

Mailed:

Cape Cod Commission Transportation Program
Steven Tupper, Transportation Program Manager
3225 Main Street (Route 6A)
PO Box 226

Barnstable MA 02630-0226

Sent by facsimile to the attention of Steven Tupper, Transportation Program Manager: FAX: 508-362-3136

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

2020 Cape Cod Region Transportation Improvement Program

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► Section 1B / Earmark or Discretionary Grant Funded Projects											
► Other Federal Aid											
AMENDMENT:Add Project	Other Federal Aid	CC1003	Cape Cod	Falmouth	WOODS HOLE, MARTHA'S VINEYARD AND NANTUCKET STEAMSHIP AUTHORITY - RESERVATION SYSTEM IMPROVEMENTS	5	Other FA	\$ 3,487,866	\$ 2,790,293	\$ 697,573	Construction; Transfer to Steamship Authority (through Ferry Boat Formula Grant Program); Steamship Authority providing non-federal funds; Expected to include mobile application, website redesign, and reservation system hardware and redundancy.
Other Federal Aid subtotal ►								\$ 3,487,866	\$ 2,790,293	\$ 697,573	◀ Funding Split Varies by Funding Source
► Section 2A / State Prioritized Reliability Projects											
► Bridge Program / Inspections											
	Bridge Program		Cape Cod		Bridge Inspection			\$ -	\$ -	\$ -	
Bridge Program / Inspections subtotal ►								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Bridge Program / Off-System											
	Bridge Program		Cape Cod		Bridge Program / Off-System			\$ -	\$ -	\$ -	
Bridge Program / Off-System subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Bridge Program / On-System (NHS)											
	Bridge Program		Cape Cod		Bridge Program / On-System (NHS)			\$ -	\$ -	\$ -	
Bridge Program / On-System (NHS) subtotal ►								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Bridge Program / On-System (Non-NHS)											
	Bridge Program		Cape Cod		Bridge Program / On-System (Non-NHS)			\$ -	\$ -	\$ -	
	Bridge Program		Cape Cod		Bridge Program / On-System (Non-NHS)			\$ -	\$ -	\$ -	
	Bridge Program		Cape Cod		Bridge Program / On-System (Non-NHS)			\$ -	\$ -	\$ -	
Bridge Program / On-System (Non-NHS) subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Bridge Program / Systematic Maintenance											
	Bridge Program		Cape Cod		Bridge Program / Systematic Maintenance			\$ -	\$ -	\$ -	
Bridge Program / Systematic Maintenance subtotal ►								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Interstate Pavement											
	Interstate Pavement		Cape Cod		Interstate Pavement			\$ -	\$ -	\$ -	
Interstate Pavement subtotal ►								\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► Non-Interstate Pavement											
	Non-Interstate Pavement		Cape Cod		Non-Interstate Pavement			\$ -	\$ -	\$ -	
Non-Interstate Pavement subtotal ►								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Roadway Improvements											
	Roadway Improvements	608598	Cape Cod	Multiple	ORLEANS- HARWICH- BREWSTER- STORMWATER IMPROVEMENTS ALONG ROUTE 28 AND ROUTE 6	5	STBG	\$ 941,243	\$ 752,994	\$ 188,249	
Roadway Improvements subtotal ►								\$ 941,243	\$ 752,994	\$ 188,249	◀ 80% Federal + 20% Non-Federal
► Safety Improvements											
								\$ -	\$ -	\$ -	
Safety Improvements subtotal ►								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

2020 Cape Cod Region Transportation Improvement Program

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information	
▶ Section 2B / State Prioritized Modernization Projects												
▶ ADA Retrofits												
	ADA Retrofits		Cape Cod		ADA Retrofits			\$ -	\$ -	\$ -		
								ADA Retrofits subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Intersection Improvements												
	Intersection Improvements		Cape Cod		Intersection Improvements			\$ -	\$ -	\$ -		
								Intersection Improvements subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Intelligent Transportation Systems												
	Intelligent Transportation Systems		Cape Cod		Intelligent Transportation Systems			\$ -	\$ -	\$ -		
								Intelligent Transportation System subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Roadway Reconstruction												
	Roadway Reconstruction		Cape Cod		Roadway Reconstruction			\$ -	\$ -	\$ -		
								Roadway Reconstruction subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Section 2C / State Prioritized Expansion Projects												
▶ Bicycles and Pedestrians												
	Bicycles and Pedestrians		Cape Cod		Bicycles and Pedestrians			\$ -	\$ -	\$ -		
								Bicycles and Pedestrians subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Capacity												
	Capacity		Cape Cod		Capacity			\$ -	\$ -	\$ -		
								Capacity subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Section 3 / Planning / Adjustments / Pass-throughs												
▶ Planning / Adjustments / Pass-throughs												
			Cape Cod		ABP GANS Repayment	Multiple		\$ -	\$ -	\$ -		
			Cape Cod		Award adjustments, change orders, etc.	Multiple		\$ -	\$ -	\$ -		
			Cape Cod		Metropolitan Planning	Multiple		\$ -	\$ -	\$ -		
			Cape Cod		State Planning and Research Work Program I, (SPR I), Planning	Multiple		\$ -	\$ -	\$ -		
			Cape Cod		Railroad Crossings	Multiple		\$ -	\$ -	\$ -		
			Cape Cod		Recreational Trails	Multiple		\$ -	\$ -	\$ -		
								Other Statewide Items subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Section 4 / Non-Federally Aided Projects												
▶ Non-Federally Aided Projects												
	Non-Federally Aided Projects		Cape Cod		Non-Federal Aid			\$ -		\$ -		
								Non-Federal Aid subtotal ▶	\$ -		\$ -	◀ 100% Non-Federal
2020 Summary								TIP Section 1:	TIP Section 3:	TIP Section 4:	Total of All Projects	
								Total ▶	\$ 15,087,753	\$ -	\$ 15,087,753	◀ Total Spending in Region
								Federal Funds ▶	\$ 12,116,054		\$ 12,116,054	◀ Total Federal Spending in Region
								Non-Federal Funds ▶	\$ 2,971,699	\$ -	\$ 2,971,699	◀ Total Non-Federal Spending in Region

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



Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

April 23, 2020

Mr. Steven Tupper, P.E.
Transportation Program Manager
Cape Cod Commission
3225 Main Street | P.O. Box 226
Barnstable, MA 02630

Reference: Transportation Improvement Plan

Dear Steven;

I would like to request that the following Steamship Authority capital projects be added to the list of Projects in Need of Funding as part of the Cape Cod Metropolitan Planning Organization's Transportation Improvement Plan:

	Project Title	Estimated Cost
WHMVNSSA	Reservation System Hardware.....	\$ 700,000
WHMVNSSA	Mobile Web Application.....	\$ 750,000
WHMVNSSA	Redesigned Website.....	\$1,250,000
WHMVNSSA	Reservation System Hardware & Redundancy.....	\$ 200,000

These projects are eligible for partial funding through the Federal Highway Administration's Ferry Boat Formula Grant Program (FBP), as authorized under the *Fixing America's Surface Transportation (FAST) Act*.

The Steamship Authority has currently been allocated \$2,790,293 under the FBP funding, based on a statutory formula. The scope and design of a certain project will be subject to approval by MassDOT and FHWA, our intent would be to request an amendment to have that project included in the current year's TIP. A more detailed description of each project is attached.

Please do not hesitate to contact me if you have any questions or need any additional information in this regard.

Sincerely,

Mark K. Rozum
Treasurer/Comptroller

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

Ferry Boat Formula Funding Program Application

1. Project Proponent:

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

The Steamship Authority is a public instrumentality created by the Commonwealth of Massachusetts, pursuant to Chapter 701 of the Acts of 1960, as amended, for the purpose of providing adequate transportation of persons and the necessities of life for the islands of Martha's Vineyard and Nantucket.

2. Project Description:

Reservation System Hardware.

The Authority needs to replace the existing computer hardware that is used to administer all of the Steamship Authority's passenger and reservation system processes. These processes include the handling of all passenger and vehicle reservation activity, system and capacity reporting, traffic statistics and maintaining customer account information.

3. Project Timing:

The proposed work would be scheduled for the fall of 2020, contingent upon securing State and/or Federal approval for use of existing funding. All work required for this project is to be completed within one hundred eighty (180) calendar days (approximately 6 months).

4. Project Funding:

The Steamship Authority is expected to be funded by the U.S. Department of Transportation's Ferry Boat Formula Grant Program and by the Authority through available special-purpose funds designated for capital projects. Approximately eighty percent of the project's cost, or \$560,000, is expected to be spent in allocated FWHA FBP awards.

5. Other Relevant Facts:

The Steamship Authority has operated without deficit assessments against its port communities since 1962 and without any operating subsidies typically provided to similar ferry systems in other states. In 2019, the Authority transported 3,004,436 passengers, 478,990 automobiles and 195,328 trucks to or from the islands. This project will serve to provide needed reservations capabilities.

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

Ferry Boat Formula Funding Program Application

1. Project Proponent:

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

The Steamship Authority is a public instrumentality created by the Commonwealth of Massachusetts, pursuant to Chapter 701 of the Acts of 1960, as amended, for the purpose of providing adequate transportation of persons and the necessities of life for the islands of Martha's Vineyard and Nantucket.

2. Project Description:

New Mobile Web Application.

Create a new dedicated mobile web application for both the Android and IOS platforms. This mobile application will consist of a Customer Account Module that will allow users to update their notification and communication preferences as well as the ability to access their current reservations and ticket books. The mobile application will also have contactless NFC ticketing for both individual tickets and multi-ride ticket books. Additional features will include real time vessel schedule status along with parking lot and shuttle bus information as well as a Proximity Module and Wayfinding Module that will allow scheduled/push notifications and messaging and mapping features.

3. Project Timing:

The proposed work would be scheduled for the fall of 2020, contingent upon securing State and/or Federal approval for use of existing funding. All work required for this project is to be completed within two hundred seventy (270) calendar days (approximately 9 months).

4. Project Funding:

The Steamship Authority is expected to be funded by the U.S. Department of Transportation's Ferry Boat Formula Grant Program and by the Authority through available special-purpose funds designated for capital projects. Approximately eighty percent of the project's cost, or \$600,000, is expected to be spent in allocated FWHA FBP awards.

5. Other Relevant Facts:

The Steamship Authority has operated without deficit assessments against its port communities since 1962 and without any operating subsidies typically provided to similar ferry systems in other states. In 2019, the Authority transported 3,004,436 passengers, 478,990 automobiles and 195,328 trucks to or from the islands. This project will provide improved customer experience through a new mobile web application.

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

Ferry Boat Formula Funding Program Application

1. Project Proponent:

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

The Steamship Authority is a public instrumentality created by the Commonwealth of Massachusetts, pursuant to Chapter 701 of the Acts of 1960, as amended, for the purpose of providing adequate transportation of persons and the necessities of life for the islands of Martha's Vineyard and Nantucket.

2. Project Description:

New Website.

Redesign the Steamship Authority's current website. Enhancements to the new website will include a more intuitive user interface, streamlined reservation process and other improvements. The new website will also be optimized to use on various mobile devices.

3. Project Timing:

The proposed work would be scheduled for the winter of 2020, contingent upon securing State and/or Federal approval for use of existing funding. All work required for this project is to be completed within three hundred sixty-five (365) calendar days (approximately 12 months).

4. Project Funding:

The Steamship Authority is expected to be funded by the U.S. Department of Transportation's Ferry Boat Formula Grant Program and by the Authority through available special-purpose funds designated for capital projects. Approximately eighty percent of the project's cost, or \$1,000,000, is expected to be spent in allocated FWHA FBP awards.

5. Other Relevant Facts:

The Steamship Authority has operated without deficit assessments against its port communities since 1962 and without any operating subsidies typically provided to similar ferry systems in other states. In 2019, the Authority transported 3,004,436 passengers, 478,990 automobiles and 195,328 trucks to or from the islands. This project will provide improved customer experience through a redesigned website.

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

Ferry Boat Formula Funding Program Application

1. Project Proponent:

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

The Steamship Authority is a public instrumentality created by the Commonwealth of Massachusetts, pursuant to Chapter 701 of the Acts of 1960, as amended, for the purpose of providing adequate transportation of persons and the necessities of life for the islands of Martha's Vineyard and Nantucket.

2. Project Description:

Mobile Payment Application and Hand Held Scanners

Integrate a new payment platform that will easily accept Apple Pay and Google Wallet on the Steamship Authority's current website and mobile website. This enhancement will speed up the transaction process and make the current mobile platform more user friendly for both vehicle and passenger transactions. New handheld scanning units that are equipped to read barcodes, RFID and NFC signals will be needed as more users migrate to mobile ticketing.

3. Project Timing:

The proposed work would be scheduled for the summer of 2020, contingent upon securing State and/or Federal approval for use of existing funding. All work required for this project is to be completed within one hundred twenty (120) calendar days (approximately 4 months).

4. Project Funding:

The Steamship Authority is expected to be funded by the U.S. Department of Transportation's Ferry Boat Formula Grant Program and by the Authority through available special-purpose funds designated for capital projects. Approximately eighty percent of the project's cost, or \$160,000, is expected to be spent in allocated FWHA FBP awards.

5. Other Relevant Facts:

The Steamship Authority has operated without deficit assessments against its port communities since 1962 and without any operating subsidies typically provided to similar ferry systems in other states. In 2019, the Authority transported 3,004,436 passengers, 478,990 automobiles and 195,328 trucks to or from the islands. This project will provide improved customer experience through a mobile payment applications and handheld scanners.