<table>
<thead>
<tr>
<th>Amendment / Adjustment Type</th>
<th>STIP Program</th>
<th>MassDOT Project ID</th>
<th>Metropolitan Planning Organization</th>
<th>Municipality</th>
<th>MassDOT Project Description</th>
<th>MassDOT District</th>
<th>Funding Source</th>
<th>Total Programmed Funds</th>
<th>Federal Funds</th>
<th>Non-Federal Funds</th>
<th>Additional Information</th>
</tr>
</thead>
</table>
| ▶ Regionally Prioritized Projects
| ▶ Section 1A
| ▶ Regional Prioritized Projects
| Interaction Improvements | 606272 Cape Cod Barnstable BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD | 5 | STBG | $ 4,908,535 | $ 3,206,828 | $ 801,707 |
| Interaction Improvements | 606272 Cape Cod Barnstable BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD | 5 | HSIP | $ 458,514 | $ 412,663 | $ 45,851 |
| Interaction Improvements | 606272 Cape Cod Barnstable BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD | 5 | TAP | $ 205,809 | $ 164,647 | $ 41,162 |
| Roadway Reconstruction | 606900 Cape Cod Bourne BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 625/28 | 5 | STBG | $ 4,839,601 | $ 3,871,601 | $ 967,503 |
| Roadway Reconstruction | 606900 Cape Cod Bourne BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 625/28 | 5 | CMAQ | $ 1,046,285 | $ 837,028 | $ 209,257 |
| Planning Adjustments / Pass-throughs | CCBR20 Cape Cod Multiple CAPE COD - BICYCLE RACK PROGRAM | 5 | CMAQ | $ 100,000 | $ 80,000 | $ 20,000 |

Regionally Prioritized Projects subtotal $10,658,644 $7,572,767 $2,085,877 $277,046

| Section 1A / Fiscal Constraint Analysis
| Total Regional Federal Aid Funds Programmed | $ 10,658,644 | $ 10,935,690 | $ 277,046 |
| STBG programmed | $ 8,848,036 | $ 7,078,429 |
| HSIP programmed | $ 458,514 | $ 412,663 |
| CMAQ programmed | $ 1,146,285 | $ 917,028 |
| TAP programmed | $ 205,809 | $ 164,647 |

Comments on DRAFT FFY2020-2024 TIP Amendment #4 will be accepted through May 18, 2020 via mail, by facsimile, or via email, 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

<table>
<thead>
<tr>
<th>Amendment / Adjustment Type ▼</th>
<th>STIP Program ▼</th>
<th>MassDOT Project ID ▼</th>
<th>Metropolitan Planning Organization ▼</th>
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<th>MassDOT Project Description ▼</th>
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<th>Total Programmed Funds ▼</th>
<th>Federal Funds ▼</th>
<th>Non-Federal Funds ▼</th>
<th>Additional Information ▼</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Woods Hole, Martha's Vineyard and Nantucket Steamship Authority - Reservation System Improvements</td>
<td></td>
<td>$</td>
<td>3,487,866</td>
<td>2,790,293</td>
<td>697,573</td>
<td>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.</td>
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</table>

### Section 1B / Earnmark or Discretionary Grant Funded Projects

**Other Federal Aid**

<table>
<thead>
<tr>
<th>AMENDMENT Add Project</th>
<th>Other Federal Aid</th>
<th>Cape Cod</th>
<th>Falmouth</th>
<th>Woods Hole, Martha’s Vineyard and Nantucket Steamship Authority - Reservation System Improvements</th>
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<th>Other FA</th>
<th>3,487,866</th>
<th>2,790,293</th>
<th>697,573</th>
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### Section 2A / State Prioritized Reliability Projects

#### Bridge Program / Inspections

<table>
<thead>
<tr>
<th>Bridge Program</th>
<th>Cape Cod</th>
<th>Bridge Inspection</th>
<th>$</th>
<th>$</th>
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</table>

#### Bridge Program / Off-System

<table>
<thead>
<tr>
<th>Bridge Program</th>
<th>Cape Cod</th>
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#### Bridge Program / On-System (NHS)

<table>
<thead>
<tr>
<th>Bridge Program</th>
<th>Cape Cod</th>
<th>Bridge Program / On-System (NHS)</th>
<th>$</th>
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<th>$</th>
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</table>

#### Bridge Program / Systematic Maintenance

<table>
<thead>
<tr>
<th>Bridge Program</th>
<th>Cape Cod</th>
<th>Bridge Program / Systematic Maintenance</th>
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</table>

### Interstate Pavement

<table>
<thead>
<tr>
<th>Interstate Pavement</th>
<th>Cape Cod</th>
<th>Interstate Pavement</th>
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<th>$</th>
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</table>

### Non-Interstate Pavement

<table>
<thead>
<tr>
<th>Non-Interstate Pavement</th>
<th>Cape Cod</th>
<th>Non-Interstate Pavement</th>
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</table>

### Roadway Improvements

<table>
<thead>
<tr>
<th>Roadway Improvements</th>
<th>Cape Cod</th>
<th>Multiple</th>
<th>Orleans- Harwich- Brewster- Stormwater Improvements Along Route 28 and Route 6</th>
<th>$</th>
<th>STBG</th>
<th>941,243</th>
<th>752,994</th>
<th>188,249</th>
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</thead>
</table>

### Safety Improvements

<table>
<thead>
<tr>
<th>Safety Improvements</th>
<th>$</th>
<th>$</th>
<th>$</th>
</tr>
</thead>
</table>
## 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 ▼**

*Present information as follows, if applicable: 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 proponents; i) other information*

### Section 2B / State Prioritized Modernization Projects

- **ADA Retrofits**
  - ADA Retrofits: Cape Cod
  - ADA Retrofits subtotal: $0 - $0 - $0
  - ADA Retrofits subtotal ▶ 80% Federal + 20% Non-Federal

- **Intersection Improvements**
  - Intersection Improvements: Cape Cod
  - Intersection Improvements subtotal: $0 - $0 - $0
  - Intersection Improvements subtotal ▶ Funding Split Varies by Funding Source

- **Intelligent Transportation Systems**
  - Intelligent Transportation Systems: Cape Cod
  - Intelligent Transportation System subtotal: $0 - $0 - $0
  - Intelligent Transportation System subtotal ▶ 80% Federal + 20% Non-Federal

- **Roadway Reconstruction**
  - Roadway Reconstruction: Cape Cod
  - Roadway Reconstruction subtotal: $0 - $0 - $0
  - 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 subtotal: $0 - $0 - $0
  - Bicycles and Pedestrians subtotal ▶ 80% Federal + 20% Non-Federal

- **Capacity**
  - Capacity: Cape Cod
  - Capacity subtotal: $0 - $0 - $0
  - Capacity subtotal ▶ Funding Split Varies by Funding Source

### Section 3 / Planning / Adjustments / Pass-throughs

- **Planning / Adjustments / Pass-throughs**
  - Multiple: $0 - $0 - $0

### Section 4 / Non-Federally Aided Projects

- **Non-Federally Aided Projects**
  - Non-Federal Aid: $0 - $0 - $0

### 2020 Summary

<table>
<thead>
<tr>
<th>TIP Section 1</th>
<th>TIP Section 4</th>
<th>Total of All Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Funds</td>
<td>$12,116,054</td>
<td>$12,116,054</td>
</tr>
<tr>
<td>Non-Federal Funds</td>
<td>$2,971,699</td>
<td>$2,971,699</td>
</tr>
<tr>
<td>Total Spent</td>
<td>$15,087,753</td>
<td>$15,087,753</td>
</tr>
</tbody>
</table>

Note: 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 9, 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
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:

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMVNSSA Reservation System Hardware</td>
<td>$700,000</td>
</tr>
<tr>
<td>WHMVNSSA Mobile Web Application</td>
<td>$750,000</td>
</tr>
<tr>
<td>WHMVNSSA Redesigned Website</td>
<td>$1,250,000</td>
</tr>
<tr>
<td>WHMVNSSA Reservation System Hardware &amp; Redundancy</td>
<td>$200,000</td>
</tr>
</tbody>
</table>

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 necessaries 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 necessaries 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 necessaries 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.
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 necessaries 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.