

**Boston Region Metropolitan Planning Organization**

**2012 TITLE VI ANNUAL UPDATE  
to the  
MASSACHUSETTS DEPARTMENT OF TRANSPORTATION**

**JANUARY 17, 2013**

## **Introduction**

Title VI of the Civil Rights Act of 1964 prohibits discrimination on the basis of race, color, or national origin in programs and activities receiving federal financial assistance. Two Executive Orders and related statutes further define populations that are protected under the umbrella of Title VI. Executive Order 12898 is concerned with environmental justice for minority and low-income populations. Executive Order 13166 is concerned with providing equal access to services and benefits for those individuals with limited English proficiency (LEP).

The Boston Region MPO submitted a comprehensive triennial Title VI report to MassDOT in April 2011 and a revision of that report in June 2011. This report is an annual update and follows MassDOT's Annual Title VI Report Template of April 2011. Only the policies and activities that have changed since the January 2012 annual update are discussed. If there are no changes to present in a report section, that fact is noted.

## **Section 1: Process Used to Select MPO and Regional Transportation Advisory Council Members**

No changes to member selection processes. The Regional Transportation Advisory Council (Advisory Council) is an independent group charged with providing public input on transportation planning to the MPO. It is composed of citizen, professional, and transportation-advocacy groups, neighboring MPOs, and agencies. The Advisory Council provides a forum for broad-based discussions of transportation issues and is a major avenue for public participation in the MPO's planning process. As a voting member of the MPO, the Advisory Council brings the perspectives of the public to the MPO for consideration as plans and programs are developed. Individuals are welcome to participate in all meetings of the Advisory Council, but membership is limited to public and private organizations and governmental units, including state agencies and municipalities. Entities are admitted to membership by vote of the existing members. A summary of an Advisory Council self-identification survey is provided as Appendix 1. The MPO is conducting outreach to make the membership more diverse.

## **Section 2: General Reporting Requirements [FTA C 4702.1A IV]**

### **A. Title VI Coordinator**

Alicia Wilson, Transportation Equity Manager

### **B. Annual Title VI Certification and Assurance [FTA C 4702.1A IV.1]**

The MPO's signed Title VI assurances are provided beginning on page 5. (Note that these documents were provided by the Federal Transit Administration (FTA) and MassDOT and are not in accessible formats. If you require assistance with these documents, please contact the MPO staff at 617.973.7100 (voice), 617.973.7089 (TTY), 617.973.8855 (fax), or [publicinformation@ctps.org](mailto:publicinformation@ctps.org).)

### **C. Notification of Protection under Title VI [FTA C 4702.1A IV.5 and FTA C 4702.1A IV.7.a.5]**

The MPO has developed the following notice to the public of protection under Title VI:

The Boston Region Metropolitan Planning Organization (MPO) fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The MPO does not discriminate on the basis of race, color, national origin, English proficiency, income, religious creed, ancestry, disability, age, gender, sexual orientation, gender identity or expression, or military service. Any person who believes herself/himself or any specific class of persons to have been subjected to discrimination prohibited by Title VI or related statutes or regulations may, herself/himself or via a representative, file a written complaint with the MPO. A complaint must be filed no later than 180 calendar days after the date on which the person believes the discrimination occurred. A complaint form and additional information can be obtained by contacting the MPO (see below) or at [www.bostonmpo.org](http://www.bostonmpo.org).

The meeting locations are accessible to people with disabilities and are near public transportation. Upon request (preferably two weeks in advance of the meeting), every effort will be made to provide accommodations such as assistive listening devices, materials in accessible formats and in languages other than English, and interpreters in American Sign Language and other languages. Please contact the MPO staff at

617.973.7100 (voice), 617.973.7089 (TTY), 617.973.8855 (fax), or [publicinformation@ctps.org](mailto:publicinformation@ctps.org).

This statement is posted on the MPO's website along with the procedures for filing a complaint and the MPO's complaint form; all of these items are posted in both English and Spanish. Also, all public-outreach materials include the relevant portions of the statement above.

#### **D. Complaint Procedures [FTA C 4702.1A IV.2 and FTA C 4702.1A IV.7.a.3]**

No changes.

The MPO has not received any Title VI complaints or been the subject of any Title VI lawsuits, and it has not initiated any investigations.

#### **E. Meaningful Access for LEP Persons and Language Implementation Plan [FTA C 4702.1A IV.4]**

No major changes. The MPO's revised website, which will go live shortly, incorporates Google Translates for those who wish to read documents in a language other than English. The MPO has developed maps showing the locations of populations with LEP and populations who speak a language other than English at home (these maps are included in the demographic profiles that will be forwarded when finalized).

#### **F. Special Studies of Traditionally Under-Served or Low-Income Populations**

No changes.

#### **G. Title VI Investigations, Complaints, and Lawsuits [FTA C 4702.1A IV.3 and FTA C 4702.1A IV.7.a.4]**

The MPO has not received any Title VI complaints.

#### **H. MPO Funding Sources**

Appendix 2 summarizes the projects in the 2013–16 Transportation Improvement Program (TIP) that have highway funding and indicates their specific funding sources. In addition, it shows their locations on a map that also shows the environmental justice transportation analysis zones in the MPO region.

#### **I. Enhancement Projects Applications**

The MPO has no enhancement projects.

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**FEDERAL FISCAL YEAR 2012 CERTIFICATIONS AND ASSURANCES FOR FEDERAL TRANSIT  
ADMINISTRATION ASSISTANCE PROGRAMS**

*(Signature page alternative to providing Certifications and Assurances in TEAM-Web)*

**Name of Applicant:** Boston Region Metropolitan Planning Organization

**The Applicant agrees to comply with applicable provisions of Groups 01 – 24. \_\_\_\_\_**

**OR**

**The Applicant agrees to comply with applicable provisions of the Groups it has selected:**

| <b><u>Group</u></b> | <b><u>Description</u></b>                                                                |              |
|---------------------|------------------------------------------------------------------------------------------|--------------|
| 01.                 | Assurances Required For Each Applicant.                                                  | <u>  X  </u> |
| 02.                 | Lobbying.                                                                                | <u>  X  </u> |
| 03.                 | Procurement Compliance.                                                                  | _____        |
| 04.                 | Protections for Private Providers of Public Transportation.                              | _____        |
| 05.                 | Public Hearing.                                                                          | _____        |
| 06.                 | Acquisition of Rolling Stock for Use in Revenue Service.                                 | _____        |
| 07.                 | Acquisition of Capital Assets by Lease.                                                  | _____        |
| 08.                 | Bus Testing.                                                                             | _____        |
| 09.                 | Charter Service Agreement.                                                               | _____        |
| 10.                 | School Transportation Agreement.                                                         | _____        |
| 11.                 | Demand Responsive Service.                                                               | _____        |
| 12.                 | Alcohol Misuse and Prohibited Drug Use.                                                  | _____        |
| 13.                 | Interest and Other Financing Costs.                                                      | _____        |
| 14.                 | Intelligent Transportation Systems.                                                      | _____        |
| 15.                 | Urbanized Area Formula Program.                                                          | _____        |
| 16.                 | Clean Fuels Grant Program.                                                               | _____        |
| 17.                 | Elderly Individuals and Individuals with Disabilities Formula Program and Pilot Program. | _____        |
| 18.                 | Nonurbanized Area Formula Program for States.                                            | _____        |
| 19.                 | Job Access and Reverse Commute (JARC) Program.                                           | _____        |
| 20.                 | New Freedom Program.                                                                     | _____        |
| 21.                 | Paul S. Sarbanes Transit in Parks Program.                                               | _____        |
| 22.                 | Tribal Transit Program.                                                                  | _____        |
| 23.                 | TIFIA Projects                                                                           | _____        |
| 24.                 | Deposits of Federal Financial Funding to a State Infrastructure Banks.                   | _____        |

**FEDERAL FISCAL YEAR 2012 FTA CERTIFICATIONS AND ASSURANCES SIGNATURE PAGE**

*(Required of all Applicants for FTA funding and all FTA Grantees with an active capital or formula project)*

**AFFIRMATION OF APPLICANT**

Name of Applicant: Boston Region Metropolitan Planning Organization

Name and Relationship of Authorized Representative: David J. Mohler, Chair

BY SIGNING BELOW, on behalf of the Applicant, I declare that the Applicant has duly authorized me to make these certifications and assurances and bind the Applicant's compliance. Thus, the Applicant agrees to comply with all Federal statutes and regulations, and follow applicable Federal directives, and comply with the certifications and assurances as indicated on the foregoing page applicable to each application it makes to the Federal Transit Administration (FTA) in Federal Fiscal Year 2012.

FTA intends that the certifications and assurances the Applicant selects on the other side of this document, as representative of the certifications and assurances, should apply, as provided, to each project for which the Applicant seeks now, or may later seek FTA funding during Federal Fiscal Year 2012.

The Applicant affirms the truthfulness and accuracy of the certifications and assurances it has made in the statements submitted with this document and any other submission made to FTA, and acknowledges that the Program Fraud Civil Remedies Act of 1986, 31 U.S.C. 3801 *et seq.*, and implementing U.S. DOT regulations, "Program Fraud Civil Remedies," 49 CFR part 31 apply to any certification, assurance or submission made to FTA. The criminal provisions of 18 U.S.C. 1001 apply to any certification, assurance, or submission made in connection with a Federal public transportation program authorized in 49 U.S.C. chapter 53 or any other statute

In signing this document, I declare under penalties of perjury that the foregoing certifications and assurances, and any other statements made by me on behalf of the Applicant are true and accurate.

Signature \_\_\_\_\_ Date: \_\_\_\_\_

Name \_\_\_\_\_  
Authorized Representative of Applicant

**AFFIRMATION OF APPLICANT'S ATTORNEY**

For (Name of Applicant): \_\_\_\_\_

As the undersigned Attorney for the above named Applicant, I hereby affirm to the Applicant that it has authority under State, local, or tribal government law, as applicable, to make and comply with the certifications and assurances as indicated on the foregoing pages. I further affirm that, in my opinion, the certifications and assurances have been legally made and constitute legal and binding obligations on the Applicant.

I further affirm to the Applicant that, to the best of my knowledge, there is no legislation or litigation pending or imminent that might adversely affect the validity of these certifications and assurances, or of the performance of the project.

Signature \_\_\_\_\_ Date: \_\_\_\_\_

Name \_\_\_\_\_

#### Attorney for Applicant

Each Applicant for FTA funding and each FTA Grantee with an active capital or formula project must provide an Affirmation of Applicant's Attorney pertaining to the Applicant's legal capacity. The Applicant may enter its signature in lieu of the Attorney's signature, provided the Applicant has on file this Affirmation, signed by the attorney and dated this Federal fiscal year.

## **TITLE VI/NONDISCRIMINATION AGREEMENT AND RECIPIENT ASSURANCES**

The **State of Massachusetts**, acting through its **Department of Transportation** (hereinafter referred to as the “Recipient”), **HEREBY AGREES THAT**, as a condition to receiving any Federal financial assistance from the United States Department of Transportation (USDOT), Federal Highway Administration, it is subject to and must comply with the following:

### **Statutory/Regulatory Authorities**

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. §2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324*et seq.*), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. §794 *et seq.*), as amended, (prohibits discrimination on the basis of disability);
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. §6101 *et seq.*), (prohibits discrimination on the basis of age);
- Americans with Disabilities Act of 1990, as amended, (42 U.S.C. § 12101 *et seq.*), (prohibits discrimination on the basis of disability);
- 49 C.F.R. Part 21 (entitled *Nondiscrimination In Federally-Assisted Programs Of The Department Of Transportation—Effectuation Of Title VI Of The Civil Rights Act Of 1964*);
- 49 C.F.R. Part 27 (entitled *Nondiscrimination On The Basis Of Disability In Programs Or Activities Receiving Federal Financial Assistance*);
- 49 C.F.R. Part 28 (entitled *Enforcement Of Nondiscrimination On The Basis Of Handicap In Programs Or Activities Conducted By The Department Of Transportation*);
- 49 C.F.R. Part 37 (entitled *Transportation Services For Individuals With Disabilities (ADA)*);
- 23 C.F.R. Part 200(FHWA’s Title VI/Nondiscrimination Regulation);
- 28 C.F.R. Part 35 (entitled *Discrimination On The Basis Of Disability In State And Local Government Services*);
- 28 C.F.R. Part 50.3 (DOJ Guidelines for Enforcement of Title VI of the Civil Rights Act of 1964);

The preceding statutory cites are hereinafter referred to as the “Acts.” The preceding regulatory cites are hereinafter referred to as the “Regulations.”

Although not applicable to Recipients directly, there are certain Executive Orders and relevant guidance that direct action by Federal agencies regarding their federally assisted programs and activities to which compliance is required by Recipients to ensure Federal agencies carry out their responsibilities. Executive Order 12898, 3 C.F.R. 859 (1995), entitled “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations”, emphasizes that Federal agencies should utilize existing laws to achieve Environmental Justice, in particular Title VI, to ensure nondiscrimination against minority populations. Recipients should be aware that certain Title VI matters raise Environmental Justice concerns and FHWA intends that all Recipients evaluate and revise existing procedures (as appropriate) to address and



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implement Environmental Justice considerations. See the following FHWA website for more information and facts about Environmental Justice:

<http://www.fhwa.dot.gov/environment/ejustice/facts/index.htm>.

Additionally, Executive Order 13166, 3 C.F.R. 289 (2001) on Limited-English-Proficiency, according to the U.S. Department of Justice in its Policy Guidance Document dated August 16, 2000 (65 Fed. Reg. at 50123), clarifies the responsibilities associated with the “*application of Title VI’s prohibition on national origin discrimination when information is provided only in English to persons with limited English proficiency.*” When receiving Federal funds Recipients are expected to conduct a four-factor analysis to prevent discrimination based on National Origin. (See also U.S. DOT’s “*Policy Guidance Concerning Recipients’ Responsibilities to Limited English Proficient (LEP) Persons,*” dated December 14, 2005, (70 Fed. Reg. at 74087 to 74100); the Guidance is a useful resource when performing a Four-Factor Analysis).

## **General Assurances**

In accordance with the Acts, the Regulations, and other pertinent directives, policy, memoranda, and/or guidance, Recipient hereby gives assurance that it will promptly take any measures necessary to ensure that

*“No person in the United States shall, on the grounds of race, color, national origin, sex, age, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity,” for which the Recipient receives Federal financial assistance from the USDOT, including the Federal Highway Administration.*

The Civil Rights Restoration Act of 1987 clarified the original intent of Congress, with respect to Title VI and other Nondiscrimination requirements (The Age Discrimination Act of 1975, and Section 504 of the Rehabilitation Act of 1973) by restoring the broad, institution wide scope, and coverage of these nondiscrimination statutes and requirements to include all programs and activities of the Recipient, so long as any portion of the program is federally-assisted.

Additionally, the Recipient may not discriminate in the selection and retention of contractors, including without limitation, retaining contractors whose services are for, or incidental to, construction, planning, research, highway safety, engineering, property management, realty, fee contracts, and other commitments with persons for services and expenses incidental to the acquisition of rights-of-way.

Federal-aid contractors may not discriminate in their selection and retention of first-tier subcontractors and first-tier subcontractors may not discriminate in their selection and retention of second-tier subcontractors, who participate in Federal-aid highway construction, acquisition of rights-of-way, and related projects, including those who supply materials and lease equipment.

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The Recipient may not discriminate against eligible persons in making relocation payments and in providing relocation advisory assistance where highway rights-of-way acquisitions necessitate relocation(s).

The Recipient may not discriminate by preventing Title VI/Nondiscrimination populations from accessing and utilizing facilities and services provided for public accommodations (i.e., eating, sleeping, rest, recreation, and vehicle servicing) constructed on, over, or under the rights-of-way of federally assisted highways.

The Recipient, its sub-recipients, contractors, subcontractors, and other persons subject to this Agreement may not discriminate in their employment practices in connection with highway construction projects or other projects assisted by the Federal Highway Administration.

The Recipient shall develop and implement a Public Participation Plan in a manner that ensures the identification of Title VI/Nondiscrimination population(s), affords the population(s) opportunities to comment, and provides an atmosphere where all comments are promptly addressed with regard to the location and design of highway construction projects. Additionally, the Recipient shall not locate, design, or construct a highway in such a manner as to deny access to, and use thereof, to any persons on the basis of race, color, national origin, sex, age, or disability.

More specifically and without limiting the above general Assurance, the Recipient agrees with and gives, the following Assurance with respect to its federally-assisted highway program, as follows:

1. The Recipient agrees that each “program” and each “facility” as defined in §§21.23 (b) and 21.23 (e) of 49 C.F.R. § 21 will be (with regard to a “program”) conducted, or will be (with regard to a “facility”) operated in compliance with all requirements imposed by, or pursuant to, the Acts and the Regulations;
2. The Recipient shall insert the following notification in all solicitations for bids and Requests For Proposals for work or material subject to the Acts and the Regulations made in connection with all **Federal Highway Programs** and, in adapted form, in all proposals for negotiated agreements regardless of funding source:

*“The Massachusetts Department of Transportation, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4), other Nondiscrimination requirements (The Federal-Aid Highway Act of 1973, The Age Discrimination Act of 1975, Section 504 of the Rehabilitation Act of 1973, and Americans with Disabilities Act of 1990), and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement will be awarded without discrimination on the ground of race, color, national origin, sex, age, or disability.”;*

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3. The Recipient shall insert the clauses of “Appendix A” of this Assurance in every contract or agreement subject to the Acts and the Regulations;
4. The Recipient shall insert the clauses of “Appendix B” of this Assurance, as a covenant running with the land, in any deed from the United States effecting or recording a transfer of real property, structures or improvements thereon or interest therein to a Recipient;
5. The Recipient shall insert the following language in all Federal-Aid Agreements entered into with the FHWA:

*“The State of Massachusetts, acting through its Department of Transportation (Recipient) **HEREBY AGREES THAT**, as a condition to receiving Federal financial assistance from the United States Department Of Transportation, Federal Highway Administration, it is subject to and shall comply with Title VI of the Civil Rights Act of 1964 and additional Nondiscrimination requirements as detailed in the **FHWA Assurances for Title VI and Other Nondiscrimination Statutes and Regulations** document.”*

6. That where the Recipient receives Federal financial assistance to construct a facility, or part of a facility, the Assurance shall extend to the entire facility and facilities operated in connection therewith;
7. That where the Recipient receives Federal financial assistance in the form, or for the acquisition of real property or an interest in real property, the Assurance shall extend to rights to space on, over or under such property;
8. That the Recipient shall “include the appropriate clauses set forth in Appendix C and Appendix D” of this Assurance, as a covenant running with the land, in any future deeds, leases, licenses, permits, or similar instruments entered into by the Recipient with other parties:
  - a. For the subsequent transfer of real property acquired or improved under the applicable Project or Program; and
  - b. For the construction or use of, or access to, space on, over, or under real property acquired or improved under the applicable Project or Program.
9. That this Assurance obligates the Recipient for the period during which Federal financial assistance is extended to the program, except where the Federal financial assistance is to provide, or is in the form of, personal property, or real property or interest therein or structures or improvements thereon, in which case the Assurance obligates the Recipient or any transferee for the longer of the following periods:
  - a. The period during which the property is used for a purpose for which the Federal financial assistance is extended, or for another purpose involving the provision of similar services or benefits; or

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- b. The period during which the Recipient retains ownership or possession of the property.
- 10. The Recipient shall provide for such methods of administration for the program as are found by the Secretary of Transportation or the official to whom he/she delegates specific authority to give reasonable guarantee that it, other recipients, sub-recipients, sub-grantees, contractors, subcontractors, transferees, successors in interest, and other participants of Federal financial assistance under such program will comply with all requirements imposed or pursuant to the Acts, the Regulations, and this Assurance; and
- 11. The Recipient agrees that the United States has a right to seek judicial enforcement with regard to any matter arising under the Acts, the Regulations, and this Assurance.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts, agreements, property, and/or discounts, or other Federal-aid and Federal financial assistance extended after the date hereof to the recipients by the Department of Transportation under the Federal Highway Program and is binding on it, other recipients, sub-recipients, sub-grantees, contractors, subcontractors and their subcontractors', transferees, successors in interest, and any other participants in the **Federal Highway Programs**. The person or persons whose signature appears below are authorized to sign this assurance on behalf of the Recipient.

**MASSACHUSETTS DEPARTMENT OF TRANSPORTATION**

\_\_\_\_\_  
(Secretary/CEO)

DATED\_\_\_\_\_

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## **TITLE VI/NONDISCRIMINATION AGREEMENT AND SUB-RECIPIENT ASSURANCES**

The Boston Region MPO [Grantee] (hereinafter referred to as the “Sub-Recipient”), **HEREBY AGREES THAT**, as a condition to receiving any Federal financial assistance from the United States Department of Transportation (USDOT), Federal Highway Administration, from the Massachusetts Department of Transportation (Recipient), it is subject to and must comply with the Statutory/Regulatory Authorities and requirements detailed in this document.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts, agreements, property, and/or discounts, or other Federal-aid and Federal financial assistance extended after the date hereof to the recipients by the Department of Transportation under the Federal Highway Program and is binding on it, other recipients, sub-recipients, sub-grantees, contractors, subcontractors and their subcontractors’, transferees, successors in interest, and any other participants in the **Federal Highway Programs**. The person or persons whose signature appears below are authorized to sign this assurance on behalf of the Sub-Recipient.

(Name of Grantee) \_\_\_\_\_

\_\_\_\_\_  
(Signature of Grantee CEO)

DATED \_\_\_\_\_

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## APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

1. **Compliance with Regulations:** The contractor shall comply with the Acts and the Regulations relative to Nondiscrimination in federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Nondiscrimination:** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, national origin, sex, age, or disability in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers a program set forth in Appendix B of 49 CFR Part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor’s obligations under this contract and the Acts and the Regulations relative to Nondiscrimination on the grounds of race, color, national origin, sex, age, or disability.
4. **Information and Reports:** The contractor shall provide all information and reports required by the Acts, the Regulations and directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration (FHWA) to be pertinent to ascertain compliance with such Acts, Regulations, orders, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the Recipient or the FHWA, as appropriate, and shall set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of the contractor’s noncompliance with the Nondiscrimination provisions of this contract, the Recipient shall impose such contract sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:

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- Withholding of payments to the contractor under the contract until the contractor complies; and/or
  - Cancellation, termination, or suspension of the contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor shall include the provisions of paragraphs 1 through 6 in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Recipient or the FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Recipient to enter into such litigation to protect the interests of the Recipient and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

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## CLAUSES FOR DEEDS TRANSFERRING UNITED STATES PROPERTY

### APPENDIX B

The following clauses shall be included in deeds effecting or recording the transfer of real property, structures or improvements thereon, or granting interest therein from the United States pursuant to the provisions of Assurance 4:

**NOW, THEREFORE**, the Department of Transportation, as authorized by law, and upon the condition that the (Name of Recipient) will accept title to the lands and maintain the project constructed thereon, in accordance with (Name of Appropriate Legislative Authority), the Regulations for the Administration of **Federal Highway Programs** and the policies and procedures prescribed by the Federal Highway Administration of the Department of Transportation and, also in accordance with and in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. § 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the (Name of Recipient) all the right, title and interest of the Department of Transportation in and to said lands described in Exhibit "A" attached hereto and made a part hereof.

**TO HAVE AND TO HOLD** said lands and interests therein unto (Name of Recipient) and its successors forever, subject, however, to the covenants, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and shall be binding on the (Name of Recipient), its successors and assigns.

The (Name of Recipient), in consideration of the conveyance of said lands and interests in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns, that (1) no person shall on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over or under such lands hereby conveyed [,] [and]\* (2) that the (Name of Recipient) shall use the lands and interests in lands and interests in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended, and (3) that in the event of breach of any of the above-mentioned nondiscrimination conditions, the Department shall have a right to re-enter said lands and facilities on said land, and that above described land and facilities shall thereon revert to and



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vest in and become the absolute property of the Department of Transportation and its assigns as such interest existed prior to this instruction.\*

**\*Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to effectuate the purpose of Title VI and related Nondiscrimination laws.**

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## **CLAUSES FOR TRANSFER OF REAL PROPERTY ACQUIRED OR IMPROVED UNDER THE FEDERAL HIGHWAY PROGRAMS**

### **APPENDIX C**

The following clauses shall be included in deeds, licenses, leases, permits, or similar instruments entered into by the (Name of Recipient) pursuant to the provisions of Assurance 8(a):

- A. The (grantee, lessee, permittee, etc. as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree [in the case of deeds and leases add “as a covenant running with the land”] that:
  - 1. In the event facilities are constructed, maintained, or otherwise operated on the property described in this (deed, license, lease, permit, etc.) for a purpose for which a Department of Transportation program or activity is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.) shall maintain and operate such facilities and services in compliance with all requirements imposed by the Acts and Regulations (as may be amended) set forth in the Title VI/Nondiscrimination Assurance agreement
  - 2. No person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
- B. With respect to licenses, leases, permits, etc., in the event of breach of any of the above Nondiscrimination covenants, (Name of Recipient) shall have the right to terminate the lease, license, permit, etc. and to re-enter and repossess said lands and facilities thereon, and hold the same as if the lease, license, permit, etc. had never been made or issued.
- C. With respect to a deed, in the event of breach of any of the above nondiscrimination covenants, the (Name of Recipient) shall have the right to re-enter the lands and facilities thereon, and the above described lands and facilities shall thereupon revert to and vest in and become the absolute property of the (Name of Recipient) and its assigns.

# Federal Highway Administration Assurances for Title VI and Other Nondiscrimination Statutes and Regulations

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## CLAUSES FOR CONSTRUCTION/USE/ACCESS TO REAL PROPERTY ACQUIRED UNDER THE FEDERAL HIGHWAY PROGRAM

### APPENDIX D

The following clauses shall be included in deeds, licenses, permits, or similar instruments entered into by (Name of Recipient) pursuant to the provisions of Assurance 8(b):

- A. The (grantee, licensee, permittee, etc., as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add “as a covenant running with the land”) that (1) no person on the ground of race, color, national origin, sex, age, or disability shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over or under such land and the furnishing of services thereon, no person on the ground of race, color, national origin, sex, age, or disability shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the (grantee, licensee, lessee, permittee, etc.) shall use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, set forth in the Title VI/Nondiscrimination Assurance agreement.
- B. With respect to licenses, leases, permits, etc., in the event of breach of any of the above Nondiscrimination covenants, (Name of Recipient) shall have the right to terminate the (license, permit, etc., as appropriate) and to re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, permit, etc., as appropriate) had never been made or issued.\*
- C. With respect to deeds, in the event of breach of any of the above nondiscrimination covenants, (Name of Recipient) shall have the right to re-enter said land and facilities thereon, and the above described lands and facilities shall thereupon revert to and vest in and become the absolute property of (Name of Recipient) and its assigns.\*

**\*Reverter clause and related language to be used only when it is determined that such a clause is necessary to effectuate the purpose of Title VI and related Nondiscrimination laws.**

## **J. Title VI Activities**

No changes.

## **K. The Planning Process and Its Responsiveness to Title VI Requirements**

No changes.

## **L. Activities Undertaken to Identify the Needs of Low-Income and Minority Populations**

No major changes. The Transportation Equity Survey continues to be posted on the MPO website. Additional comments have been received since the last comment summary. The MPO has expanded the list of organizations to be contacted in its outreach program. In order to identify additional organizations to include in its outreach and consultations, the MPO is surveying local officials in municipalities with transportation analysis zones that meet the MPO criteria for environmental justice areas.

## **Section 3: Public Involvement [FTA C 4702.1A IV.7.a and FTA C 4702.1A IV.9]**

No changes.

## **Section 4: Contracting Opportunities**

None. The MPO has no fiduciary authority.

## **Section 5: Community Impact Assessment [23 USC 109(h); FTA C 4702.1A IV.7.a; FHWA 23 CFR 200.9(b)(4)]**

### **A. Overview**

No changes.

### **B. MPO Policy and Plans**

No changes.

### **C. The Transportation Planning Process**

No changes.

#### **D. Demographic Profile of Environmental Justice Areas [FTA C 4702.1A VII.1.a]**

The MPO has produced new demographic profiles of the region using 2010 Census data and 2006–10 American Community Survey data. They will be forwarded when finalized.

#### **E. Identification of Needs of Low-Income and Minority Populations [FTA C 4702.1A VII.1.b]**

No changes.

#### **F. How Community Values, Environmental Justice, and Discrimination Considerations Are Addressed**

No changes.

### **Section 6: Service Equity**

#### **A. Long-Range Transportation Plan and Transportation Improvement Program: Assessment of Projects for Impacts on Environmental Justice Populations**

No changes.

#### **B. Coordination with Citizens and Community-Based Entities in Defining Environmental Justice Communities for the Purpose of Assessing Transportation Impacts**

No changes in general. The MPO has made plans for conducting outreach activities in 2013.

#### **C. Studies Sensitive to Title VI, Environmental Justice, and/or ADA Adherence**

The following describes the MPO's recently completed projects, current work, and upcoming initiatives in the federal fiscal year (FFY) 2013 Unified Planning Work Program (UPWP) that provide data collection and analysis supportive of MPO coordination of environmental justice (EJ) issues or help in addressing the transportation needs of minority, LEP, and low-income residents.

### ***Transportation Equity/Environmental Justice Support***

The primary purpose of this ongoing project is to integrate EJ issues and concerns into MPO planning and programming activities and support development of the Long-Range Transportation Plan (LRTP), UPWP, TIP, Congestion Management Process (CMP), air quality conformity determinations, and project-specific work products. Another purpose is to foster awareness of the MPO in EJ populations and to facilitate their participation in MPO planning and programming. This has been done through continued outreach to minority, LEP, and low-income populations.

### ***Analysis of JARC and New Freedom Projects***

Many MPO-recommended proposals for the Federal Transit Administration's (FTA's) Job Access and Reverse Commute (JARC) and New Freedom grant programs were funded during the last four years. These proposals include: conducting studies on how to facilitate coordination of existing transportation resources, identifying resource gaps and developing strategies for closing them, enhancing consumers' abilities to access and use transportation options, and planning for and operating paratransit.

The MPO conducted analysis to help determine which of these projects were effective and will use this information to recommend future projects, to encourage the use of best practices, and to update the Coordinated Public-Transit Human Services Transportation Plan. A draft memo documenting the analysis has been produced. A copy of the memo will be forwarded to MassDOT when it is finalized.

### ***MBTA Neighborhood Maps***

Using the latest mapping software and data, CTPS is in the process of creating a neighborhood map showing streets, street names, building footprints, points of interest, and MBTA bus routes for each MBTA station. Each map has a "You Are Here" designation at the station location, as well as a quarter-mile-radius ring depicting the distance of a 5-to-10-minute walk from the station.

### ***MetroWest RTA Transit Planning Assistance***

When the MWRTA was established, the MPO conducted a study that explored potential markets and provided service planning assistance. As the MWRTA enters its fifth year of service, it could benefit from an evaluation of route efficiencies and demands. In federal fiscal year 2013, the MPO will evaluate existing transit service, identify potential improvements to present routes and schedules, and propose new services to meet untapped demand and relieve traffic congestion.

### *Disability Access Support*

The MPO supports the MBTA in meeting ADA requirements by providing ongoing support to the Access Advisory Committee to the MBTA (AACT), a user group representing people with disabilities. AACT advises the MBTA on all accessibility matters relating to the use of the MBTA's systemwide fixed-route services and THE RIDE paratransit service by people with disabilities and ensures that users' ideas and concerns about accessible transportation in the region are heard.

One requirement of the 1990 Americans with Disabilities Act (ADA) is that government agency material that is distributed to the public be made available in accessible formats, in a timely manner, upon request. The MPO fulfills this requirement. Beginning in 2012, the MPO has adopted a practice of providing materials prepared for the MPO that are posted on the MPO website in PDF and HTML formats so that they can be read by contemporary screen reader technology. In addition to providing materials in accessible formats, the MPO has developed accessibility standards and guidelines for the conduct of MPO-sponsored meetings.

### *Priority Corridors for LRTP Needs Assessment*

Corridor analysis is a logical way to approach transportation studies in the region. Possible corridors of critical and strategic concern might best be viewed in a programmatic way. An arterial management/roadway improvement effort will recommend conceptual improvements for corridors that the CMP and the LRTP identified as part of the needs assessment process. A particular corridor or several sections of multiple corridors could be selected. Fifteen candidate locations are included in the FFY 2013 UPWP. Seven of the 15 corridors are either entirely or partially in communities with MPO-defined environmental justice areas. The Route 203 corridor in Boston was studied in FFY 2012. This corridor runs through an MPO EJ area.

### *Update the Elderly Transportation Services Database*

In 2010, the MPO completed a database of transportation services available to elderly residents in each community in the region. The database, available to the public on the MPO website, is currently being updated.

### *Warren Street Transportation Study*

In 2012, MAPC worked with the Nuestra Comunidad Development Corporation in Roxbury to identify potential improvements to the Warren Street corridor, based on numerous previous transportation studies of the area. The work focused on how transportation improvements could support redevelopment of underutilized parcels along the corridor.

MAPC presented at and helped facilitate a workshop in the Dudley Square neighborhood of Roxbury on July 14, 2012, for identifying improvements that could help create complete streets and safer intersection crossings in the area. MAPC worked with Renaissance Consulting Group to present information on the neighborhood and plans that have been completed for the area over the last 10 years. Attendees conducted a field walk and worked together to identify ways to improve transit, walking, and biking in the area.

### ***Mystic River Corridor Walking Routes***

MAPC has been working with the communities of Chelsea, Everett, Malden, Medford, and Somerville to create a network of safe and well-signed walking routes to the lower Mystic River and its tributaries (Chelsea Creek, Mill Creek, and the Malden River). The work program identified key implementation links and assisted the communities in finalizing the network vision.

<http://www.mapc.org/smart-growth/environment/mystic-river>

### ***Technical Assistance to Local Bicycle and Pedestrian Planning Initiatives***

MAPC is working in Malden, Everett, Chelsea, Revere, Lynn, and Saugus to identify easily implementable bicycle and pedestrian infrastructure improvements. As part of the planning effort, existing conditions and potential opportunities will be identified for each area. The planning effort will identify priority connections and routes for each of the communities, including proposed bicycle and pedestrian accommodations, produce cross-sections of the major collector roads in the communities, and identify opportunities to help fund implementation. The proposed accommodations could include exclusive bicycle lanes, sharrows, cycle tracks, new sidewalks, and improved surface conditions. At the conclusion of the planning effort, it will be the responsibility of the individual municipalities to implement the recommendations.

### ***Opportunities for and Impediments to Creating Transit-Oriented Development***

In Quincy, MAPC is working to identify the potential for transit-oriented development (TOD) around the Wollaston MBTA station on the Red Line. It is analyzing the area to identify potential impediments to development, such as existing zoning, inadequate pedestrian connections, parking challenges, and other infrastructure elements, and will offer recommendations on how to improve the site's potential for TOD. MAPC is working closely with the MBTA, property owners, and the City of Quincy.

Staff kicked off the station area TOD planning effort in the Wollaston neighborhood on November 29, 2012, with a public meeting where they



presented the project, provided background information on the area, and asked meeting participants to talk about how and where new development could be accommodated in the neighborhood. The meeting engaged about 80 participants in facilitated small-group dialogue. MAPC staff will be using this input to create a scenario for future investment in the area as well as recommendations for changes to land use, zoning, transportation access and safety; they will conduct market analyses to support their recommendations. Outreach focused on engaging the Asian community in the neighborhood through the Asian Community Development Corporation.

### ***Bike Share Program Implementation***

MAPC has been working with the cities of Boston, Cambridge, and Somerville and the Town of Brookline on implementation of the regional Hubway bike share system. In the summer of 2011, Boston launched a 600-bicycle, 60-station system, which expanded into neighboring municipalities in 2012. Funding for the program comes from the Boston Region MPO's Clean Air and Mobility Program, a separate FTA Bus Livability award, and from the municipalities.

Through funding from the Barr Foundation, MAPC is working with the municipalities to create a \$5 annual Hubway membership for low-income participants. MAPC is also researching strategies to increase Hubway ridership in low-income and low-education-level communities and developing partnerships with community-based agencies to host focus groups and distribute information about Hubway. The Barr Foundation is also funding several Hubway stations that will continue to grow the program further into environmental justice communities in Boston.

### ***MetroFuture Outreach and Engagement: Increasing the Equity Focus in Regional Planning***

In 2011, MAPC finalized its State of Equity report, which is the first report in its Regional Indicators program. This document establishes a baseline for MAPC's equity-related indicators; the program will track the region's progress toward the MetroFuture goals. <http://regionalindicators.org/>

In 2012, MAPC used this information to support community outreach efforts to engage more groups that are traditionally not involved in the regional planning process. Metropolitan planning funds were used to support outreach efforts for the Fairmount/Indigo Corridor Planning Initiative and the Fairmount Greenway Initiative, twin transit-oriented development projects that focus on historically EJ communities in Boston. MAPC is working with the Boston Redevelopment Authority, Community Development Corporations, and community-based coalitions, playing a critical role in the outreach to and engagement of residents.

In November 2012, approximately 250 people from the neighborhoods participated in a community planning charrette.

### *Sullivan Square/Rutherford Avenue Land Use Visioning*

MAPC will work closely with the City of Boston to study the potential for redevelopment of the Sullivan Square area into a transit-oriented, mixed-use center that will better connect the transit station to residential neighborhoods in Charlestown and interconnect existing and new open spaces. This Boston neighborhood includes MPO-identified EJ TAZs. The land use planning study and rezoning also aim to support the further development of a multimodal MBTA station at Sullivan Square that includes a commuter rail stop and future Urban Ring connections. As a corollary to the creation of a new street grid and development parcels, the study aims to enhance the public realm by creating public sidewalks, new open spaces, and an appropriate mix and scale of residential and commercial development with active ground-floor uses. The transportation elements of this project are programmed in the LRTP in the 2016–20 time period.

## **APPENDIX 1**

### **REGIONAL TRANSPORTATION ADVISORY COUNCIL SELF-IDENTIFICATION SURVEY**

*MEMORANDUM*

**DATE** November 26, 2012  
**TO** Boston Region MPO Files  
**FROM** Alicia Wilson, MPO Staff  
**RE** Regional Transportation Advisory Council  
Self-Identification Survey

The Regional Transportation Advisory Council (Advisory Council) is an independent group charged with providing public input on transportation planning to the Boston Region MPO. It is composed of citizen, professional, and transportation-advocacy groups, neighboring MPOs, and agencies. The Advisory Council provides a forum for broad-based discussions of transportation issues and is a major avenue for public participation in the MPO's planning process. As a voting member of the MPO, the Advisory Council brings the perspectives of the public to the MPO for consideration as plans and programs are developed. Individuals are welcome to participate in all meetings of the Advisory Council, but membership is limited to public and private organizations and governmental units, including state agencies and municipalities. Entities are admitted to membership by vote of the existing members. MPO members (including cities, towns, and agencies) are nonvoting members of the Advisory Council.

In September 2012, the MPO asked the Advisory Council to conduct an anonymous self-identification survey of its voting members. The intent of the survey was to gather race, ethnicity, and language data to satisfy federal Title VI information requirements, as requested in the MPO's most recent federal recertification review. The survey also collected data on household income.

A survey form was given to each of the 45 current voting members of the Advisory Council. Thirty-four survey forms were returned to the MPO, representing a 75.6% response rate. The following is a summary of the survey results.

Table 1 compares the races/ethnicities of the responding Advisory Council members with those of the MPO region's population overall. As shown, the Advisory Council members are more likely to be non-minorities than the MPO population in general.

**Table 1**  
**Race/Ethnicity of Advisory Council Members**  
**and the MPO Region Population**

| <b>Race/Ethnicity*</b> | <b>Advisory Council</b> | <b>Boston Region MPO</b> |
|------------------------|-------------------------|--------------------------|
| White                  | 88.2%                   | 72.2%                    |
| Black/African American | 5.9%                    | 7.9%                     |
| Asian/Pacific Islander | 0.0%                    | 7.5%                     |
| Hispanic               | 2.9%                    | 9.1%                     |
| Other                  | 0.0%                    | 3.2%                     |
| No response            | 2.9%                    | NA                       |
| <b>Total</b>           | <b>100.0%</b>           | <b>100.0%</b>            |

\*Hispanics can belong to any racial group, but they are given a separate category in this analysis.

Eighty-five percent (30) of the responding Advisory Council members speak English at home versus 76% of the MPO population (the MPO language data are for persons five and older). Of the four respondees who indicated that they speak one or more languages other than English at home, one did not indicate which language is spoken. The languages spoken by the other three respondees are Arabic, French, and French and Spanish.

The MPO's definition of a low-income household is one whose annual income is \$42,497 or less. This threshold is equivalent to 60% of the MPO median household income of \$70,829. One respondent indicated that his/her household income meets the low-income criterion. Approximately 88% of the respondents have incomes greater than \$60,000.

AW/aw

## **APPENDIX 2**

### **TIP PROJECTS WITH HIGHWAY FUNDING**

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

|                |                                                                                                                                                                                               |   |        |               |               |              |                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|---------------------------------------------------------------------------------------------------------|
| 607209         | SOMERVILLE- RECONSTRUCTION OF BEACON STREET, FROM OXFORD STREET TO CAMBRIDGE C.L.                                                                                                             | 4 | STP    | \$ 1,571,252  | \$ 1,257,002  | \$ 314,250   | STP+SAFETEA-LU Earmark Total Cost = \$4,158,466                                                         |
| 602984         | CONCORD- LINCOLN- LIMITED ACCESS HIGHWAY IMPROVEMENTS AT ROUTE 2 & 2A, BETWEEN CROSBY'S CORNER & BEDFORD ROAD, INCLUDES C-19-024                                                              | 4 | STP-AC | \$ 11,775,130 | \$ 9,420,104  | \$ 2,355,026 | AC Yr 3 of 4; STP+HSIP+CMAQ Total Cost = \$61,723,980 (\$22,471,587 programmed within FFYs 2013-16 TIP) |
| 601825         | DANVERS- RECONSTRUCTION OF LIBERTY STREET, FROM ROUTE 128 TO WATER/HIGH STREET INTERSECTION, INCLUDES D-03-004 & D-03-014                                                                     | 4 | STP    | \$ 7,128,052  | \$ 5,702,442  | \$ 1,425,610 |                                                                                                         |
| 601630         | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP-AC | \$ 3,340,620  | \$ 2,672,496  | \$ 668,124   | AC Yr 1 of 3; STP+ TEA-21 Earmark Total Cost = \$38,340,000                                             |
| 605188         | CAMBRIDGE- COMMON IMPROVEMENTS AT WATERHOUSE STREET, MASS AVE & GARDEN STREET                                                                                                                 | 6 | TE     | \$ 1,093,334  | \$ 874,667    | \$ 218,667   | Construction; TE+Statewide TE+SAFETEA-LU Earmark Total Cost = \$2,764,874                               |
| 604687         | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L.                                                                                                       | 4 | TE     | \$ 474,668    | \$ 379,734    | \$ 94,934    | CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740                    |
| STP Subtotal ► |                                                                                                                                                                                               |   |        | \$ 25,383,056 | \$ 20,306,445 | \$ 5,076,611 | ◄ 80% Federal + 20% Non-Federal                                                                         |

### ► NHS - National Highway System

|                |                                                                                                                                                             |   |        |               |               |              |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 603711         | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHS-AC | \$ 26,000,000 | \$ 20,800,000 | \$ 5,200,000 | AC Yr 1 of 5; NHS+BR Total Cost = \$127,500,000 (\$120,000,000 programmed within FFYs 2013-16 TIP, AC Yr 5 of 5 will be programmed in FFY 2017) |
| NHS Subtotal ► |                                                                                                                                                             |   |        | \$ 26,000,000 | \$ 20,800,000 | \$ 5,200,000 | ◄ 80% Federal + 20% Non-Federal                                                                                                                 |

### ► HSIP - Highway Safety Improvement Program

|                 |                                                                                                                                  |   |         |              |              |            |                                                                                                         |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|---|---------|--------------|--------------|------------|---------------------------------------------------------------------------------------------------------|
| 602984          | CONCORD- LINCOLN- LIMITED ACCESS HIGHWAY IMPROVEMENTS AT ROUTE 2 & 2A, BETWEEN CROSBY'S CORNER & BEDFORD ROAD, INCLUDES C-19-024 | 4 | HSIP-AC | \$ 5,296,710 | \$ 4,767,039 | \$ 529,671 | AC Yr 3 of 4; STP+HSIP+CMAQ Total Cost = \$61,723,980 (\$22,471,587 programmed within FFYs 2013-16 TIP) |
| HSIP Subtotal ► |                                                                                                                                  |   |         | \$ 5,296,710 | \$ 4,767,039 | \$ 529,671 | ◄ Funding Split Varies by Project Specifications                                                        |

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► CMAQ - Congestion Mitigation and Air Quality Improvement Program

|                 |                                                                                         |     |      |              |              |              |                                                                                      |
|-----------------|-----------------------------------------------------------------------------------------|-----|------|--------------|--------------|--------------|--------------------------------------------------------------------------------------|
| 604687          | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L. | 4   | CMAQ | \$ 2,978,340 | \$ 2,382,672 | \$ 595,668   | CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| 602094          | LYNN- RECONSTRUCTION OF ROUTE 129 (BROADWAY), FROM WYOMA SQUARE TO BOSTON STREET        | 4   | CMAQ | \$ 5,273,913 | \$ 4,219,130 | \$ 1,054,783 |                                                                                      |
| 456661          | CLEAN AIR AND MOBILITY                                                                  | N/A | CMAQ | \$ 823,010   | \$ 658,408   | \$ 164,602   |                                                                                      |
| 606885          | Arlington- Bikeway Connection at Intersection Route 3 and Route 60                      | 4   | CMAQ | \$ 570,000   | \$ 456,000   | \$ 114,000   |                                                                                      |
| 456661          | Brookline- Bike Share, Year 3                                                           |     | CMAQ | \$ 95,732    | \$ 76,586    | \$ 19,146    |                                                                                      |
| 456661          | Cambridge- Bike Share, Year 3                                                           |     | CMAQ | \$ 157,278   | \$ 125,822   | \$ 31,456    |                                                                                      |
| CMAQ Subtotal ► |                                                                                         |     |      | \$ 9,075,263 | \$ 7,260,210 | \$ 1,815,053 | ◄ 80% Federal + 20% Non-Federal                                                      |

## ► Section 1A / Fiscal Constraint Analysis

|                                             |               |               |               |                 |                        |
|---------------------------------------------|---------------|---------------|---------------|-----------------|------------------------|
| Total Federal Aid Target Funds Programmed ► | \$ 65,755,029 | \$ 65,755,029 | ◄Total Target | \$ -            | Target Funds Available |
| Total STP Programmed ►                      | \$ 25,383,056 | \$ 52,864,898 | ◄ Max. STP    | \$ 27,481,842   | STP Available          |
| Total NHS Programmed ►                      | \$ 26,000,000 | \$ -          | ◄ Min. NHS    | \$ (26,000,000) | NHS funds are from STP |
| Total HSIP Programmed ►                     | \$ 5,296,710  | \$ 4,296,710  | ◄ Min. HSIP   | \$ (1,000,000)  | HSIP Minimum Met       |
| Total CMAQ Programmed ►                     | \$ 9,075,263  | \$ 8,593,421  | ◄ Min. CMAQ   | \$ (481,842)    | CMAQ Minimum Met       |

## ► Section 1B / Federal Aid Bridge Projects

|               |                                                                                                                                                             |   |        |               |               |              |                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 607110        | BEDFORD- BRIDGE PRESERVATION, SR 4 (GREAT ROAD) OVER THE SHAWSHEEN RIVER                                                                                    | 4 | BR-Off | \$ 586,250    | \$ 469,000    | \$ 117,250   |                                                                                                                                                 |
| 606448        | BOSTON- DECK PATCHING & SUPERSTRUCTURE REPAIRS ON B-16-365 (BOWKER OVERPASS)                                                                                | 6 | BR-On  | \$ 10,800,110 | \$ 8,640,088  | \$ 2,160,022 |                                                                                                                                                 |
| 607111        | CONCORD- BRIDGE PRESERVATION, OLD STOW ROAD OVER MBTA & BM RAILROAD                                                                                         | 4 | BR-Off | \$ 825,000    | \$ 660,000    | \$ 165,000   |                                                                                                                                                 |
| 605774        | HOPKINTON- BRIDGE BETTERMENT, H-23-012, I-90 RAMP OVER I-495                                                                                                | 3 | BR-On  | \$ 5,341,960  | \$ 4,273,568  | \$ 1,068,392 |                                                                                                                                                 |
| 603711        | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | BR-AC  | \$ 2,000,000  | \$ 1,600,000  | \$ 400,000   | AC Yr 1 of 5; NHS+BR Total Cost = \$127,500,000 (\$120,000,000 programmed within FFYs 2013-16 TIP, AC Yr 5 of 5 will be programmed in FFY 2017) |
| 600703        | LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)                                                                      | 4 | BR-AC  | \$ 1,800,000  | \$ 1,440,000  | \$ 360,000   | AC Yr 1 of 3; Total Cost = \$31,800,000                                                                                                         |
| BR Subtotal ► |                                                                                                                                                             |   |        | \$ 21,353,320 | \$ 17,082,656 | \$ 4,270,664 | ◄ 80% Federal + 20% Non-Federal                                                                                                                 |



# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼                     | MassDOT<br>Project Description ▼                                                                                                                                                              | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼                                                                        |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|----------------------------------------------------------------------------------------------------|
| ► Section 1C / Federal Aid Non-Target Projects |                                                                                                                                                                                               |                       |                     |                                |                    |                        |                                                                                                    |
| ► Earmarks                                     |                                                                                                                                                                                               |                       |                     |                                |                    |                        |                                                                                                    |
| 606209                                         | FRAMINGHAM- RECONSTRUCTION OF ROUTE 126 (CONCORD STREET)                                                                                                                                      | 3                     | HPP (1998)          | \$ 3,983,545                   | \$ 3,186,836       | \$ 796,709             | Construction; HPP 684; TEA-21 Earmark+Section 129 Earmark+Local Funds<br>Total Cost = \$8,347,738  |
| 601630                                         | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6                     | HPP (1998)          | \$ 7,999,380                   | \$ 6,399,504       | \$ 1,599,876           | Construction; HPP 1236; AC Yr 1 of 3; STP+TEA-21 Earmark Total Cost = \$38,340,000                 |
| 604687                                         | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L.                                                                                                       | 4                     | HPP (2005)          | \$ 1,455,400                   | \$ 1,164,320       | \$ 291,080             | Construction; CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| 606889                                         | BOSTON- IMPROVEMENTS TO GAINSBOROUGH AND ST. BOTOLPH STS.                                                                                                                                     | 6                     | HPP (2005)          | \$ 500,000                     | \$ 400,000         | \$ 100,000             | Design; HPP 2012; Local Match                                                                      |
| 606226                                         | BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE                                                                                                              | 6                     | HPP (2005)          | \$ 1,124,874                   | \$ 899,899         | \$ 224,975             | Design; HPP 3568; Local Match                                                                      |
| 605188                                         | CAMBRIDGE- COMMON IMPROVEMENTS AT WATERHOUSE STREET, MASS AVE & GARDEN STREET                                                                                                                 | 6                     | HPP (2005)          | \$ 1,124,874                   | \$ 899,899         | \$ 224,975             | Construction; TE+Statewide TE+SAFETEA-LU Earmark Total Cost = \$2,764,874                          |
| 604988                                         | FRANKLIN- RECONSTRUCTION OF ROUTE 140, MAIN STREET & EMMONS STREET (DOWNTOWN ENHANCEMENTS)                                                                                                    | 3                     | HPP (2005)          | \$ 5,754,819                   | \$ 4,603,855       | \$ 1,150,964           | Construction; HPP 4279                                                                             |
| 606235                                         | QUINCY- ADAMS GREEN TRANSPORTATION IMPROVEMENTS                                                                                                                                               | 6                     | HPP (2005)          | \$ 6,711,062                   | \$ 5,368,850       | \$ 1,342,212           | Construction; HPP 4272                                                                             |
| 607209                                         | SOMERVILLE- RECONSTRUCTION OF BEACON STREET, FROM OXFORD STREET TO CAMBRIDGE C.L.                                                                                                             | 4                     | HPP (2005)          | \$ 2,587,214                   | \$ 2,069,771       | \$ 517,443             | Construction; HPP 431; STP+SAFETEA-LU Earmark Total Cost = \$4,158,466                             |
| 604687                                         | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L.                                                                                                       | 4                     | \$ 129 (2008)       | \$ 735,000                     | \$ 735,000         | \$ -                   | Construction; CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| 606209                                         | FRAMINGHAM- RECONSTRUCTION OF ROUTE 126 (CONCORD STREET)                                                                                                                                      | 3                     | \$ 129 (2008)       | \$ 490,000                     | \$ 490,000         | \$ -                   | Construction; TEA-21 Earmark+Section 129 Earmark+Local Funds Total Cost = \$8,347,738              |
| 606226                                         | BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN                                                                                                                     | 6                     | TI (2005)           | \$ 3,000,000                   | \$ 2,400,000       | \$ 600,000             | Design; HPP TI 174; Local Match                                                                    |
| 604361                                         | BOSTON- CAMBRIDGE- BRIDGE REHABILITATION, B-16-009=C-01-002, CAMBRIDGE STREET OVER THE CHARLES RIVER (LONGFELLOW BRIDGE)                                                                      | 6                     | \$ 112 (2006)       | \$ 693,000                     | \$ 693,000         | \$ -                   |                                                                                                    |

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼    | MassDOT<br>Project Description ▼                                 | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼                                                                                                               |
|-------------------------------|------------------------------------------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>► Earmarks (continued)</b> |                                                                  |                       |                     |                                |                    |                        |                                                                                                                                           |
| <b>MBTA</b>                   | WACHUSETT COMMUTER RAIL EXTENSION                                |                       | REF                 | \$ 408,179                     | \$ 408,179         | \$ -                   | Repurposed Earmark Funding                                                                                                                |
| <b>MBTA</b>                   | WACHUSETT COMMUTER RAIL EXTENSION                                |                       | REF                 | \$ 983,928                     | \$ 983,928         | \$ -                   | Repurposed Earmark Funding                                                                                                                |
| <b>MBTA</b>                   | WACHUSETT COMMUTER RAIL EXTENSION                                |                       | REF                 | \$ 495,000                     | \$ 495,000         | \$ -                   | Repurposed Earmark Funding                                                                                                                |
| <b>N/A</b>                    | BOSTON INNER HARBOR FERRY SERVICE                                |                       | FBD                 | \$ 1,600,000                   | \$ 1,280,000       | \$ 320,000             | Ferry Boat Discretionary (FBD) Program; City of Boston Match; previously programmed in FFY 2012                                           |
| <b>N/A</b>                    | WATERTOWN BIKE PATH, PHASE II ROW ACQUISITION                    |                       | HPP (1998)          | \$ 599,856                     | \$ 479,885         | \$ 119,971             | ROW Acquisition; HPP 1400; TEA-21 (HPP 1400)+TEA-21 (HPP 1424) + City of Cambridge (\$200,000) + DCR (\$819,787) Total Cost = \$1,500,000 |
| <b>N/A</b>                    | WATERTOWN BIKE PATH, PHASE II ROW ACQUISITION                    |                       | HPP (1998)          | \$ 409                         | \$ 327             | \$ 82                  | ROW Acquisition; HPP 1424; TEA-21 (HPP 1400)+TEA-21 (HPP 1424) + City of Cambridge (\$200,000) + DCR (\$819,787) Total Cost = \$1,500,000 |
| <b>N/A</b>                    | FAIRMOUNT CORRIDOR BUSINESS DEVELOPMENT AND RIDERSHIP INITIATIVE |                       | TCSP                | \$ 440,625                     | \$ 352,500         | \$ 88,125              | Transportation, Community and System Preservation Program (TCSP); State Match                                                             |
| Earmarks Subtotal ►           |                                                                  |                       |                     | \$ 40,687,164                  | \$ 33,310,753      | \$ 7,376,411           | ◄ Funding Split Varies by Earmark                                                                                                         |

|                  |                                                                                         |   |              |            |            |            |                                                                                      |
|------------------|-----------------------------------------------------------------------------------------|---|--------------|------------|------------|------------|--------------------------------------------------------------------------------------|
| <b>► Other</b>   |                                                                                         |   |              |            |            |            |                                                                                      |
| <b>604687</b>    | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L. | 4 | Statewide TE | \$ 237,332 | \$ 189,866 | \$ 47,466  | CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| <b>605188</b>    | CAMBRIDGE- COMMON IMPROVEMENTS AT WATERHOUSE STREET, MASS AVE & GARDEN STREET           | 6 | Statewide TE | \$ 546,666 | \$ 437,333 | \$ 109,333 | Construction; TE+Statewide TE+SAFETEA-LU Earmark Total Cost = \$2,764,874            |
| Other Subtotal ► |                                                                                         |   |              | \$ 783,998 | \$ 627,198 | \$ 156,800 | ◄ Funding Split Varies by Funding Source                                             |

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

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

### ► IM - Interstate Maintenance

|               |                                                                         |   |    |               |               |              |                                 |
|---------------|-------------------------------------------------------------------------|---|----|---------------|---------------|--------------|---------------------------------|
| N/A           | FRANKLIN- INTERSTATE MAINTENANCE & RELATED WORK ON I-495                | 3 | IM | \$ 5,154,240  | \$ 4,638,816  | \$ 515,424   |                                 |
| 605596        | FOXBOROUGH- INTERSTATE MAINTENANCE & RELATED WORK ON I-95               | 5 | IM | \$ 9,440,000  | \$ 8,496,000  | \$ 944,000   |                                 |
| 606170        | LEXINGTON- BURLINGTON- INTERSTATE MAINTENANCE & RELATED WORK ON I-95    | 4 | IM | \$ 33,205,200 | \$ 29,884,680 | \$ 3,320,520 |                                 |
| 605597        | LYNNFIELD- WAKEFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-95     | 4 | IM | \$ 12,685,000 | \$ 11,416,500 | \$ 1,268,500 |                                 |
| 604879        | WILMINGTON- WOBURN- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-93 | 4 | IM | \$ 14,480,960 | \$ 13,032,864 | \$ 1,448,096 |                                 |
| IM Subtotal ► |                                                                         |   |    | \$ 74,965,400 | \$ 67,468,860 | \$ 7,496,540 | ◄ 90% Federal + 10% Non-Federal |

### ► NHSP - National Highway System Preservation Program

|                |                                                    |   |     |              |              |              |                                 |
|----------------|----------------------------------------------------|---|-----|--------------|--------------|--------------|---------------------------------|
| 605602         | WEYMOUTH- RESURFACING & RELATED WORK ON ROUTE 3    | 6 | NHS | \$ 3,552,640 | \$ 2,842,112 | \$ 710,528   |                                 |
| 606126         | MIDDLETON- RESURFACING & RELATED WORK ON ROUTE 114 | 4 | NHS | \$ 1,769,976 | \$ 1,415,981 | \$ 353,995   |                                 |
| NHS Subtotal ► |                                                    |   |     | \$ 5,322,616 | \$ 4,258,093 | \$ 1,064,523 | ◄ 80% Federal + 20% Non-Federal |

### ► SRTS - Safe Routes to School Program

|                 |                                                           |   |      |              |              |      |                |
|-----------------|-----------------------------------------------------------|---|------|--------------|--------------|------|----------------|
| 606521          | BRAINTREE- SAFE ROUTES TO SCHOOL (ROSS ELEMENTARY SCHOOL) | 6 | SRTS | \$ 553,000   | \$ 553,000   | \$ - |                |
| 606516          | WAKEFIELD- SAFE ROUTES TO SCHOOLS (DOLBEARE SCHOOL)       | 4 | SRTS | \$ 513,000   | \$ 513,000   | \$ - |                |
| SRTS Subtotal ► |                                                           |   |      | \$ 1,066,000 | \$ 1,066,000 | \$ - | ◄ 100% Federal |

### ► Statewide Infrastructure Program

|                                     |                                                                                                                                       |   |                                  |              |              |            |                                 |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------|--------------|--------------|------------|---------------------------------|
| 604937                              | LEXINGTON- NEWTON- WALTHAM- WELLESLEY- WESTON- TRAFFIC SIGN REPLACEMENT ON I-95, FROM WELLESLEY (ROUTE 9) TO LEXINGTON (ROUTES 4/225) | 4 | Statewide Infrastructure Program | \$ 2,800,000 | \$ 2,240,000 | \$ 560,000 |                                 |
| Statewide Infrastructure Subtotal ► |                                                                                                                                       |   |                                  | \$ 2,800,000 | \$ 2,240,000 | \$ 560,000 | ◄ 80% Federal + 20% Non-Federal |

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼                                                    | MassDOT<br>Project Description ▼                                                                                        | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼                      |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|--------------------------------------------------|
| <b>► Statewide ITS - Statewide Intelligent Transportation Systems Program</b> |                                                                                                                         |                       |                     |                                |                    |                        |                                                  |
| 606432                                                                        | BURLINGTON- WOBURN- READING- EXPANSION OF FIBER, CCTV, VMS & TRAFFIC SENSOR NETWORK ON I-95                             | 4                     | Statewide ITS       | \$ 4,000,000                   | \$ 3,200,000       | \$ 800,000             |                                                  |
| 606283                                                                        | HOPKINTON TO ANDOVER- INSTALLATION OF CAMERAS, MESSAGE SIGNS & COMMUNICATION INFRASTRUCTURE ON I-495 (DESIGN/BUILD ITS) | 3                     | Statewide ITS       | \$ 6,000,000                   | \$ 4,800,000       | \$ 1,200,000           |                                                  |
| 606497                                                                        | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE TOW TRUCK SERVICES                                                          | 6                     | Statewide ITS       | \$ 550,000                     | \$ 440,000         | \$ 110,000             |                                                  |
| 606498                                                                        | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE BARRIER TRANSFER VEHICLE (BTV) OPERATOR CONTRACT                            | 6                     | Statewide ITS       | \$ 1,000,000                   | \$ 800,000         | \$ 200,000             |                                                  |
| 606422                                                                        | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE OPERATING EXPENSES                                                          | 6                     | Statewide ITS       | \$ 500,000                     | \$ 400,000         | \$ 100,000             |                                                  |
| Statewide ITS Subtotal ►                                                      |                                                                                                                         |                       |                     | \$ 12,050,000                  | \$ 9,640,000       | \$ 2,410,000           | ◄ 80% Federal + 20% Non-Federal                  |
| <b>► Statewide TE - Statewide Transportation Enhancement Program</b>          |                                                                                                                         |                       |                     |                                |                    |                        |                                                  |
| 602514                                                                        | BEVERLY- CONSTRUCTION OF A WALKWAY ON BEVERLY HARBORFRONT                                                               | 4                     | Statewide TE        | \$ 570,665                     | \$ 456,532         | \$ 114,133             |                                                  |
| 606137                                                                        | FRAMINGHAM- BIKE PATH CONSTRUCTION & IMPROVEMENTS ON COCHITUATE RAIL TRAIL, FROM SCHOOL STREET TO ROUTE 30              | 3                     | Statewide TE        | \$ 792,731                     | \$ 634,185         | \$ 158,546             |                                                  |
| 605121                                                                        | SALEM- CAUSEWAY PARK CONSTRUCTION                                                                                       | 4                     | Statewide TE        | \$ 1,441,650                   | \$ 1,153,320       | \$ 288,330             |                                                  |
| Statewide TE Subtotal ►                                                       |                                                                                                                         |                       |                     | \$ 2,805,046                   | \$ 2,244,037       | \$ 561,009             | ◄ 80% Federal + 20% Non-Federal                  |
| <b>► Statewide HSIP - Statewide Highway Safety Improvement Program</b>        |                                                                                                                         |                       |                     |                                |                    |                        |                                                  |
| No Projects Programmed                                                        |                                                                                                                         |                       |                     | \$ -                           | \$ -               | \$ -                   |                                                  |
| Statewide HSIP Subtotal ►                                                     |                                                                                                                         |                       |                     | \$ -                           | \$ -               | \$ -                   | ◄ Funding Split Varies by Project Specifications |
| <b>► Other</b>                                                                |                                                                                                                         |                       |                     |                                |                    |                        |                                                  |
| N/A                                                                           | CENTRAL ARTERY/TUNNEL PROJECT- NATIONAL HIGHWAY SYSTEM                                                                  | N/A                   | Other               | \$ 50,295,000                  | \$ -               | \$ -                   |                                                  |
| N/A                                                                           | CENTRAL ARTERY/TUNNEL PROJECT- STATE TRANSPORTATION PROGRAM/FLEX                                                        | N/A                   | Other               | \$ 70,710,000                  | \$ -               | \$ -                   |                                                  |
| N/A                                                                           | CENTRAL ARTERY/TUNNEL PROJECT- STATE TRANSPORTATION PROGRAM                                                             | N/A                   | Other               | \$ 20,000,000                  | \$ -               | \$ -                   |                                                  |
| Other Subtotal ►                                                              |                                                                                                                         |                       |                     | \$ 141,005,000                 | \$ -               | \$ -                   | ◄ Funding Split Varies by Funding Source         |

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼                 | MassDOT<br>Project Description ▼                                                     | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------|--------------------------------------------------------------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>► Section 2A / Non-Federal Projects</b> |                                                                                      |                       |                     |                                |                    |                        |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| N/A                                        | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A                   | Other               | \$ 79,300,000                  |                    | \$ 79,300,000          | The Green Line Extension project is currently in the New Starts pipeline and the Commonwealth anticipates a decision in a Full Funding Grant Agreement in FFY 2015. The cash flows for the project, therefore, provide 100% bond funding for FFY 2013-14 and begin programming New Starts funding in FFY 2015. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded. |
| N/A                                        | FAIRMOUNT IMPROVEMENTS                                                               | N/A                   | Other               | \$ 24,139,099                  |                    | \$ 24,139,099          | Lists cash flows (based on state fiscal year) for Fairmount Improvements                                                                                                                                                                                                                                                                                                                                                 |
| N/A                                        | RED LINE-BLUE LINE CONNECTOR DESIGN                                                  | N/A                   | Other               | \$ 10,000,000                  |                    | \$ 10,000,000          | MassDOT made a formal request on Aug. 1, 2011, to remove this project from the State Implementation Plan regulation. The MPO is continuing to reference this project in the document until the process is complete.                                                                                                                                                                                                      |
| Non-Federal Projects Subtotal ►            |                                                                                      |                       |                     | \$ 113,439,099                 |                    | \$ 113,439,099         | ◀100% Non-Federal                                                                                                                                                                                                                                                                                                                                                                                                        |

## ► Section 2B / Non-Federal Bridge Projects

|                                        |                                                                                                                                                                                    |   |          |               |  |      |                                                                                                                                                         |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|---------------|--|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 603654                                 | BOSTON- BRIDGE REPLACEMENT, B-16-163, MORTON STREET OVER THE MBTA & CSX RAILROAD                                                                                                   | 6 | ABP-GANS | \$ 10,574,787 |  | \$ - | Total Construction Cost = \$10,692,912 (\$10,574,787 is identified as GANs funding [federal and state match] and \$118,125 is additional state funding) |
| 604660                                 | EVERETT- MEDFORD- BRIDGE REPLACEMENTS, REVERE BEACH PARKWAY (ROUTE 16), E-12-004=M-12-018 OVER THE MALDEN RIVER (WOODS MEMORIAL BRIDGE) & M-12-017 OVER MBTA AND RIVERS EDGE DRIVE | 4 | ABP-GANS | \$ 63,898,554 |  | \$ - | Total Construction Cost = \$64,528,554 (\$63,898,554 is identified as GANs funding [federal and state match] and \$630,000 is additional state funding) |
| Non-Federal Bridge Projects Subtotal ► |                                                                                                                                                                                    |   |          | \$ 74,473,341 |  | \$ - | ◀100% Non-Federal                                                                                                                                       |

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

# 2013 Boston MPO TIP Summary - Highway

|                     | TIP Section 1:<br>▼ | TIP Section 2:<br>▼ | Total of All<br>Projects ▼ |                                        |
|---------------------|---------------------|---------------------|----------------------------|----------------------------------------|
| Total ►             | \$ 227,588,573      | \$ 74,473,341       | \$ 302,061,914             | ◀ Total Spending in Region             |
| Federal Funds ►     | \$ 191,071,291      |                     | \$ 191,071,291             | ◀ Total Federal Spending in Region     |
| Non-Federal Funds ► | \$ 36,517,282       | \$ 74,473,341       | \$ 110,990,623             | ◀ 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>

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| Regional Transit Authority                     | Project Description ▼                                                   | Federal Funds Source | Federal Amount ▼ | State Funds Source ▼ | State Amount ▼ | RTA Funds ▼   | Total Cost ▼   | Carryover and Year ▼ | Additional Information ▼ |
|------------------------------------------------|-------------------------------------------------------------------------|----------------------|------------------|----------------------|----------------|---------------|----------------|----------------------|--------------------------|
| ► Section 3 / Transit Operating - Section 5307 |                                                                         |                      |                  |                      |                |               |                |                      |                          |
| MBTA                                           | POWER PROGRAM                                                           | 5307                 | \$ 47,267,526    |                      |                | \$ 11,816,882 | \$ 59,084,408  |                      |                          |
| MBTA                                           | SYSTEMS UPGRADES                                                        | 5307                 | \$ 8,786,066     |                      |                | \$ 2,196,517  | \$ 10,982,583  |                      |                          |
| MBTA                                           | STATIONS (ACCESSIBILITY) - GOVERNMENT CENTER                            | 5307                 | \$ 32,761,068    |                      |                | \$ 8,190,267  | \$ 40,951,335  |                      |                          |
| MBTA                                           | STATIONS (ACCESSIBILITY) - STATE STREET                                 | 5307                 | \$ 17,197,512    |                      |                | \$ 4,299,378  | \$ 21,496,890  |                      |                          |
| MBTA                                           | FACILITIES (YARDS, SHOPS, PARKING, ETC.) - PARKING SYSTEMS IMPROVEMENTS | 5307                 | \$ 15,000,000    |                      |                | \$ 3,750,000  | \$ 18,750,000  |                      |                          |
| MBTA                                           | PREVENTATIVE MAINTENANCE                                                | 5307                 | \$ 12,000,000    |                      |                | \$ 3,000,000  | \$ 15,000,000  |                      |                          |
| MBTA                                           | REVENUE VEHICLES (193 ECD BUSES - OVERHAUL)                             | 5307                 | \$ 32,399,405    |                      |                | \$ 8,099,851  | \$ 40,499,256  | YES, 2012            |                          |
| MBTA                                           | STATIONS (ACCESSIBILITY) - STATIONS (ELEVATOR/ESCALATOR PROGRAM)        | 5307                 | \$ 22,000,000    |                      |                | \$ 5,500,000  | \$ 27,500,000  | YES, 2012            |                          |
| MBTA                                           | SYSTEMS UPGRADES                                                        | 5307                 | \$ 1,612,767     |                      |                | \$ 403,192    | \$ 2,015,959   | YES, 2012            |                          |
| MBTA                                           | REVENUE VEHICLES (75 HYUNDAI ROTEM COACHES -                            | 5307                 | \$ 95,487,128    |                      |                | \$ 23,871,782 | \$ 119,358,910 | YES, 2010            |                          |
| MBTA                                           | POWER PROGRAM                                                           | 5307                 | \$ 60,000,000    |                      |                | \$ 15,000,000 | \$ 75,000,000  | YES, 2011            |                          |
| MBTA                                           | FACILITIES (YARDS, SHOPS, PARKING, ETC.) - SCIENCE PARK                 | 5307                 | \$ 17,600,000    |                      |                | \$ 4,400,000  | \$ 22,000,000  | YES, 2011            |                          |
| MBTA                                           | STATIONS (ACCESSIBILITY) - STATION IMPROVEMENTS                         | 5307                 | \$ 26,378,210    |                      |                | \$ 6,594,553  | \$ 32,972,763  | YES, 2009 & 2010     |                          |
| MBTA                                           | STATIONS (ACCESSIBILITY) - ORIENT HEIGHTS STATION                       | 5307                 | \$ 30,763,964    |                      |                | \$ 7,690,991  | \$ 38,454,955  | YES, 2011            |                          |
| MBTA                                           | SYSTEMS UPGRADES (SYSTEMS UPGRADES)                                     | 5307                 | \$ 807,254       |                      |                | \$ 201,814    | \$ 1,009,068   | YES, 2011            |                          |

# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| Regional Transit Authority       | Project Description ▼                        | Federal Funds Source | Federal Amount ▼      | State Funds Source ▼ | State Amount ▼    | RTA Funds ▼           | Total Cost ▼          | Carryover and Year ▼ | Additional Information ▼ |
|----------------------------------|----------------------------------------------|----------------------|-----------------------|----------------------|-------------------|-----------------------|-----------------------|----------------------|--------------------------|
| <b>CATA</b>                      | CAPE ANN TRANSPORTATION AUTHORITY            | 5307                 | \$ 514,000            |                      | \$ 281,000        |                       | \$ 795,000            |                      |                          |
|                                  | Preventative Maintenance                     | 5307                 | \$ 300,000            |                      | \$ 75,000         |                       | \$ 375,000            |                      |                          |
|                                  | 29' Bus Rolling Stock (4)                    | 5307                 | \$ 214,000            |                      | \$ 206,000        |                       | \$ 420,000            |                      |                          |
|                                  | Support Equipment                            |                      | \$ -                  |                      | \$ -              |                       | \$ -                  |                      |                          |
| <b>MWRTA</b>                     | METROWEST REGIONAL TRANSIT AUTHORITY         | 5307                 | \$ 1,668,698          |                      | \$ 467,175        |                       | \$ 2,135,873          |                      |                          |
|                                  | Paratransit                                  | 5307                 | \$ 1,300,000          |                      | \$ 325,000        |                       | \$ 1,625,000          |                      |                          |
|                                  | Equipment and Facilities                     | 5307                 | \$ 368,698            |                      | \$ 92,175         |                       | \$ 460,873            |                      |                          |
|                                  | Equipment and Facilities - Call Center Study | 5307                 | \$ -                  |                      | \$ 50,000         |                       | \$ 50,000             |                      |                          |
| <b>Transit Operating Total ►</b> |                                              |                      | <b>\$ 422,243,599</b> |                      | <b>\$ 748,175</b> | <b>\$ 105,015,226</b> | <b>\$ 528,007,000</b> |                      |                          |

## ► Section 4 / Transit Capital - Section 5309

|             |                                                                                          |      |               |  |  |               |                |                        |  |
|-------------|------------------------------------------------------------------------------------------|------|---------------|--|--|---------------|----------------|------------------------|--|
| <b>MBTA</b> | STATIONS (ACCESSIBILITY) - GOVERNMENT CENTER                                             | 5309 | \$ 42,274,867 |  |  | \$ 10,568,717 | \$ 52,843,584  |                        |  |
| <b>MBTA</b> | SYSTEMS UPGRADES                                                                         | 5309 | \$ 3,707,035  |  |  | \$ 926,759    | \$ 4,633,794   |                        |  |
| <b>MBTA</b> | BRIDGES AND TUNNELS                                                                      | 5309 | \$ 48,000,000 |  |  | \$ 12,000,000 | \$ 60,000,000  |                        |  |
| <b>MBTA</b> | REVENUE VEHICLES (74 KAWASAKI COACHES - OVERHAUL)                                        | 5309 | \$ 93,739,299 |  |  | \$ 23,434,825 | \$ 117,174,124 | YES, 2012              |  |
| <b>MBTA</b> | SYSTEM UPGRADES                                                                          | 5309 | \$ 242,603    |  |  | \$ 60,651     | \$ 303,254     | YES, 2012              |  |
| <b>MBTA</b> | SIGNALS (COLUMBIA JUNCTION - SIGNAL IMPROVEMENTS)                                        | 5309 | \$ 41,600,000 |  |  | \$ 10,400,000 | \$ 52,000,000  | YES, 2011              |  |
| <b>MBTA</b> | POWER PROGRAM                                                                            | 5309 | \$ 60,000,000 |  |  | \$ 15,000,000 | \$ 75,000,000  | YES, 2009, 2010 & 2011 |  |
| <b>MBTA</b> | FACILITIES (YARDS, SHOPS, PARKING, ETC.) - VARIOUS FACILITIES UPGRADES INCLUDING EVERETT | 5309 | \$ 14,035,441 |  |  | \$ 3,508,860  | \$ 17,544,301  | YES, 2011              |  |
| <b>MBTA</b> | SYSTEM UPGRADES                                                                          | 5309 | \$ 17,134,892 |  |  | \$ 4,283,723  | \$ 21,418,615  | YES, 2011              |  |



# 2013 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| Regional Transit Authority     | Project Description ▼                                                    | Federal Funds Source | Federal Amount ▼      | State Funds Source ▼                        | State Amount ▼            | RTA Funds ▼          | Total Cost ▼          | Carryover and Year ▼ | Additional Information ▼                                                                                                         |
|--------------------------------|--------------------------------------------------------------------------|----------------------|-----------------------|---------------------------------------------|---------------------------|----------------------|-----------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
|                                | BOSTON- COMMONWEALTH AVE/KENMORE SQ. ROADWAY AND PEDESTRIAN IMPROVEMENTS | 5309                 | \$ 2,708,000          |                                             |                           | \$ 677,000           | \$ 3,385,000          | YES, 2011            | Earmark transferred from FHWA to FTA, was HPP 682                                                                                |
|                                | BEVERLY/SALEM INTERMODAL                                                 |                      | \$ 1,100,000          |                                             |                           |                      | \$ 1,100,000          | YES, 2004            | Section 115 earmark transferred from FHWA to FTA                                                                                 |
|                                | FERRY - MBTA FERRY SYSTEM                                                |                      | \$ 2,500,000          |                                             |                           | \$ 625,000           | \$ 3,125,000          | YES, 2011            |                                                                                                                                  |
|                                | FERRY - MBTA FERRY SYSTEM                                                |                      | \$ 2,500,000          |                                             |                           | \$ 625,000           | \$ 3,125,000          | YES, 2012            |                                                                                                                                  |
| <b>MBTA</b>                    | SYSTEMWIDE- MERRIMACK RIVER BRIDGE                                       | TIGER                | \$ 10,000,000         |                                             |                           | \$ 2,500,000         | \$ 12,500,000         |                      |                                                                                                                                  |
| <b>MWRTA</b>                   | PARATRANSIT CALL CENTER                                                  | VTCLI                | \$ 1,025,000          | RTA Capital<br><br>Toll Development Credits | \$25,000<br><br>\$231,250 |                      | \$ 1,050,000          |                      | Veterans Transportation Community Living Initiative (VTCLI) grant; Match includes \$231,250 (toll credits) and \$25,000 (RTACAP) |
| <b>Transit Capital Total ►</b> |                                                                          |                      | <b>\$ 340,567,137</b> |                                             | <b>\$ 256,250</b>         | <b>\$ 84,610,535</b> | <b>\$ 425,202,672</b> |                      |                                                                                                                                  |

## ► Section 5 / Job Access Reverse Commute (JARC) - Section 5316 and New Freedom (NF) - Section 5317

|                            |                                                                                            |      |                     |  |                  |                   |                     |  |                                            |
|----------------------------|--------------------------------------------------------------------------------------------|------|---------------------|--|------------------|-------------------|---------------------|--|--------------------------------------------|
| <b>MWRTA</b>               | JARC Technology Grant                                                                      | 5316 | \$ 464,000          |  | \$ 66,000        |                   | \$ 530,000          |  | previously awarded                         |
| <b>MWRTA</b>               | Route 9 Extended Service                                                                   | 5316 | \$ 300,000          |  |                  | \$ 262,500        | \$ 562,500          |  | \$500,000 (Operating), \$62,500 (Capital)  |
|                            | North Shore Career Center (NSCC) - Mobility Management and Employment Express Service      | 5316 | \$ 263,790          |  |                  | \$ 202,665        | \$ 466,455          |  | \$364,580 (Operating), \$101,875 (Capital) |
|                            | Acton - LRTA Road Runner                                                                   | 5317 | \$ 26,000           |  |                  | \$ 26,000         | \$ 52,000           |  | Operating                                  |
|                            | Friendship Home - Wheels to Work                                                           | 5317 | \$ 25,500           |  |                  | \$ 25,500         | \$ 51,000           |  | Operating                                  |
|                            | Greater Lynn Senior Services (GLSS) - Reaching Beyond Borders: GLSS Mobility Links Project | 5317 | \$ 169,764          |  |                  | \$ 169,764        | \$ 339,528          |  | Operating                                  |
| <b>MBTA</b>                | Paratransit Customers Program                                                              | 5317 | \$ 115,429          |  |                  | \$ 28,857         | \$ 144,286          |  | Capital                                    |
|                            | North Shore Career Center (NSCC) - Mobility Management and Employment Express Service      | 5317 | \$ 263,790          |  |                  | \$ 202,665        | \$ 466,455          |  | \$364,580 (Operating), \$101,875 (Capital) |
| <b>JARC and NF Total ►</b> |                                                                                            |      | <b>\$ 1,628,273</b> |  | <b>\$ 66,000</b> | <b>\$ 917,951</b> | <b>\$ 2,612,224</b> |  |                                            |

# 2013 Boston MPO TIP Summary - Transit

TIP Section 3: ▼ TIP Section 4: ▼ TIP Section 5: ▼ Total of All Projects ▼

|                |                |              |                |                                        |
|----------------|----------------|--------------|----------------|----------------------------------------|
| \$ 528,007,000 | \$ 425,433,922 | \$ 2,612,224 | \$ 956,053,146 | ◀ Total Spending in Region             |
| \$ 422,243,599 | \$ 340,567,137 | \$ 1,628,273 | \$ 764,439,009 | ◀ Total Federal Spending in Region     |
| \$ 105,763,401 | \$ 84,866,785  | \$ 983,951   | \$ 191,614,137 | ◀ Total Non-Federal Spending in Region |

# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

|                |                                                                                                                                                                                               |   |        |               |               |              |                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|---------------------------------------------------------------------------------------------------------|
| 600220         | BEVERLY- RECONSTRUCTION & SIGNAL IMPROVEMENTS ON RANTOUL STREET (ROUTE 1A) FROM CABOT STREET (SOUTH) TO CABOT STREET (NORTH)                                                                  | 4 | STP    | \$ 3,748,818  | \$ 2,999,054  | \$ 749,764   | STP+CMAQ Total Cost = \$15,748,818                                                                      |
| 602984         | CONCORD- LINCOLN- LIMITED ACCESS HIGHWAY IMPROVEMENTS AT ROUTE 2 & 2A, BETWEEN CROSBY'S CORNER & BEDFORD ROAD, INCLUDES C-19-024                                                              | 4 | STP-AC | \$ 1,103,037  | \$ 882,430    | \$ 220,607   | AC Yr 4 of 4; STP+HSIP+CMAQ Total Cost = \$61,723,980 (\$21,757,641 programmed within FFYs 2013-16 TIP) |
| 602602         | HANOVER- RECONSTRUCTION OF WASHINGTON STREET (ROUTE 53) AND RELATED WORK FROM THE ROUTE 3 NORTHBOUND RAMP TO WEBSTER STREET (ROUTE 123)                                                       | 5 | STP    | \$ 1,144,000  | \$ 915,200    | \$ 228,800   |                                                                                                         |
| 605146         | SALEM- RECONSTRUCTION ON CANAL STREET, FROM WASHINGTON STREET & MILL STREET TO LORING AVENUE & JEFFERSON AVENUE                                                                               | 4 | STP    | \$ 4,301,569  | \$ 3,441,255  | \$ 860,314   | STP+CMAQ Total Cost = \$6,301,569                                                                       |
| 601630         | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP-AC | \$ 8,821,534  | \$ 7,057,227  | \$ 1,764,307 | AC Yr 2 of 3; STP+ TEA-21 Earmark Total Cost = \$38,340,000                                             |
| STP Subtotal ► |                                                                                                                                                                                               |   |        | \$ 19,118,958 | \$ 15,295,166 | \$ 3,823,792 | ◄ 80% Federal + 20% Non-Federal                                                                         |

### ► NHS - National Highway System

|                |                                                                                                                                                             |   |        |               |               |              |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 603711         | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHS-AC | \$ 30,000,000 | 24,000,000    | 6,000,000    | AC Yr 2 of 5; NHS+BR Total Cost = \$127,500,000 (\$120,000,000 programmed within FFYs 2013-16 TIP, AC Yr 5 of 5 will be programmed in FFY 2017) |
| NHS Subtotal ► |                                                                                                                                                             |   |        | \$ 30,000,000 | \$ 24,000,000 | \$ 6,000,000 | ◄ 80% Federal + 20% Non-Federal                                                                                                                 |

### ► HSIP - Highway Safety Improvement Program

|                 |                                                                                                                                  |   |         |              |              |            |                                                                                                         |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|---|---------|--------------|--------------|------------|---------------------------------------------------------------------------------------------------------|
| 602984          | CONCORD- LINCOLN- LIMITED ACCESS HIGHWAY IMPROVEMENTS AT ROUTE 2 & 2A, BETWEEN CROSBY'S CORNER & BEDFORD ROAD, INCLUDES C-19-024 | 4 | HSIP-AC | \$ 4,296,710 | \$ 3,867,039 | \$ 429,671 | AC Yr 4 of 4; STP+HSIP+CMAQ Total Cost = \$61,723,980 (\$21,757,641 programmed within FFYs 2013-16 TIP) |
| HSIP Subtotal ► |                                                                                                                                  |   |         | \$ 4,296,710 | \$ 3,867,039 | \$ 429,671 | ◄ Funding Split Varies by Project Specifications                                                        |

# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT Project ID ▼                                                      | MassDOT Project Description ▼                                                                                                | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼                         |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|--------------------------|-----------------|---------------------|--------------------------------------------------|
| <b>► CMAQ - Congestion Mitigation and Air Quality Improvement Program</b> |                                                                                                                              |                    |                  |                          |                 |                     |                                                  |
| 600220                                                                    | BEVERLY- RECONSTRUCTION & SIGNAL IMPROVEMENTS ON RANTOUL STREET (ROUTE 1A) FROM CABOT STREET (SOUTH) TO CABOT STREET (NORTH) | 4                  | CMAQ             | \$ 12,000,000            | \$ 9,600,000    | \$ 2,400,000        | STP+CMAQ Total Cost = \$15,748,818               |
| 604761                                                                    | BOSTON- MULTI-USE TRAIL CONSTRUCTION (SOUTH BAY HARBOR) FROM RUGGLES STATION TO FAN PIER                                     | 6                  | CMAQ             | \$ 4,146,746             | \$ 3,317,397    | \$ 829,349          | Construction                                     |
| 601553                                                                    | MELROSE- INTERSECTION & SIGNAL IMPROVEMENT TO LEBANON STREET, FROM LYNDE STREET TO MAIN STREET                               | 4                  | CMAQ             | \$ 3,799,858             | \$ 3,039,886    | \$ 759,972          | CMAQ+SAFETEA-LU Earmark Total Cost = \$4,429,788 |
| 605729                                                                    | QUINCY- INTERSECTION & SIGNAL IMPROVEMENTS AT HANCOCK STREET & EAST/WEST SQUANTUM STREETS                                    | 6                  | CMAQ             | \$ 3,371,722             | \$ 2,697,378    | \$ 674,344          |                                                  |
| 605146                                                                    | SALEM- RECONSTRUCTION ON CANAL STREET, FROM WASHINGTON STREET & MILL STREET TO LORING AVENUE & JEFFERSON AVENUE              | 4                  | CMAQ             | \$ 2,000,000             | \$ 1,600,000    | \$ 400,000          | STP+CMAQ Total Cost = \$6,301,569                |
| N/A                                                                       | INTERSECTION IMPROVEMENT PROGRAM                                                                                             | N/A                | CMAQ             | \$ 350,000               | \$ 280,000      | \$ 70,000           |                                                  |
| 456661                                                                    | CLEAN AIR AND MOBILITY                                                                                                       |                    | CMAQ             | \$ -                     | \$ -            | \$ -                |                                                  |
| CMAQ Subtotal ►                                                           |                                                                                                                              |                    |                  | \$ 25,668,326            | \$ 20,534,661   | \$ 5,133,665        | ◄ 80% Federal + 20% Non-Federal                  |

## ► Section 1A / Fiscal Constraint Analysis

|                                             |               |               |                |                 |                        |
|---------------------------------------------|---------------|---------------|----------------|-----------------|------------------------|
| Total Federal Aid Target Funds Programmed ► | \$ 79,083,994 | \$ 79,091,696 | ◄ Total Target | \$ 7,702        | Target Funds Available |
| Total STP Programmed ►                      | \$ 19,118,958 | \$ 66,201,565 | ◄ Max. STP     | \$ 47,082,607   | STP Available          |
| Total NHS Programmed ►                      | \$ 30,000,000 | \$ -          | ◄ Min. NHS     | \$ (30,000,000) | NHS funds are from STP |
| Total HSIP Programmed ►                     | \$ 4,296,710  | \$ 4,296,710  | ◄ Min. HSIP    | \$ -            | HSIP Minimum Met       |
| Total CMAQ Programmed ►                     | \$ 25,668,326 | \$ 8,593,421  | ◄ Min. CMAQ    | \$ (17,074,905) | CMAQ Minimum Met       |

# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1B / Federal Aid Bridge Projects

|               |                                                                                                                                                             |   |       |               |               |              |                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 605895        | BELLINGHAM- BRIDGE DEMOLITION, B-06-011, ROUTE 126 OVER CSX RAILROAD (ABANDONED) & INSTALLATION OF BIKE PATH CULVERT                                        | 3 | BR-On | \$ 1,248,000  | \$ 998,400    | \$ 249,600   |                                                                                                                                                 |
| 604462        | BOSTON- BRIDGE REPLACEMENT, B-16-209, WEST SECOND STREET OVER HAUL ROAD & CSX RR                                                                            | 6 | BR-On | \$ 1,316,640  | \$ 1,053,312  | \$ 263,328   |                                                                                                                                                 |
| 606449        | CAMBRIDGE- BRIDGE PRESERVATION, C-01-008, FIRST STREET BRIDGE & C-01-040, LAND BOULEVARD/BROAD CANAL BRIDGE                                                 | 6 | BR-On | \$ 3,744,000  | \$ 2,995,200  | \$ 748,800   |                                                                                                                                                 |
| 42603         | WILMINGTON- BRIDGE REPLACEMENT, W-38-002, ROUTE 38 (MAIN STREET) OVER THE B&M                                                                               | 4 | BR-On | \$ 4,492,800  | \$ 3,594,240  | \$ 898,560   |                                                                                                                                                 |
| 600703        | LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)                                                                      | 4 | BR-AC | \$ 15,000,000 | \$ 12,000,000 | \$ 3,000,000 | AC Yr 2 of 3; Total Cost = \$31,800,000                                                                                                         |
| 603711        | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | BR-AC | \$ 8,500,000  | \$ 6,800,000  | \$ 1,700,000 | AC Yr 2 of 5; NHS+BR Total Cost = \$127,500,000 (\$120,000,000 programmed within FFYs 2013-16 TIP, AC Yr 5 of 5 will be programmed in FFY 2017) |
| BR Subtotal ► |                                                                                                                                                             |   |       | \$ 34,301,440 | \$ 27,441,152 | \$ 6,860,288 | ◄ 80% Federal + 20% Non-Federal                                                                                                                 |

## ► Section 1C / Federal Aid Non-Target Projects

### ► Earmarks

|        |                                                                                                                                                                                               |   |            |              |              |              |                                                                                                             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------|--------------|--------------|--------------|-------------------------------------------------------------------------------------------------------------|
| 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | HPP (1998) | \$ 4,178,466 | \$ 3,342,773 | \$ 835,693   | Construction; HPP 1236; AC Yr 2 of 3; STP+TEA-21 Earmark Total Cost = \$38,340,000                          |
| 604531 | ACTON- MAYNARD- ASSABET RIVER RAIL TRAIL CONSTRUCTION, INCLUDES 4 BRIDGES                                                                                                                     | 3 | HPP (2005) | \$ 769,314   | \$ 615,451   | \$ 153,863   | Design; HPP 1761; Local Match                                                                               |
| 606889 | BOSTON- IMPROVEMENTS ALONG GAINSBOROUGH AND ST. BOTOLPH STREETS                                                                                                                               | 6 | HPP (2005) | \$ 512,389   | \$ 409,911   | \$ 102,478   | Construction; HPP 2012; SAFETEA-LU Earmark + HPP TI 180 Earmark Total Cost = \$3,018,342                    |
| 606134 | BOSTON- TRAFFIC SIGNAL IMPROVEMENTS ON BLUE HILL AVENUE AND WARREN STREET                                                                                                                     | 6 | HPP (2005) | \$ 2,377,900 | \$ 1,902,320 | \$ 475,580   | Construction; HPP 2129                                                                                      |
| 605789 | BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD (HPP 756 & 4284)                                                                                                                              | 6 | HPP (2005) | \$ 2,429,730 | \$ 1,943,784 | \$ 485,946   | Construction; HPP 756; SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost \$7,437,105  |
| 605789 | BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD (HPP 756 & 4284)                                                                                                                              | 6 | HPP (2005) | \$ 5,007,375 | \$ 4,005,900 | \$ 1,001,475 | Construction; HPP 4284; SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost \$7,437,105 |

# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Earmarks (continued)

|                     |                                                                                                |   |            |               |               |              |                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------|---|------------|---------------|---------------|--------------|--------------------------------------------------------------------------------------------|
| 601553              | MELROSE- INTERSECTION & SIGNAL IMPROVEMENT TO LEBANON STREET, FROM LYNDE STREET TO MAIN STREET | 4 | HPP (2005) | \$ 629,930    | \$ 503,944    | \$ 125,986   | Construction; HPP 1604; CMAQ+SAFETEA-LU Earmark Total Cost = \$4,429,788                   |
| 606889              | BOSTON- IMPROVEMENTS ALONG GAINSBOROUGH AND ST. BOTOLPH STREETS                                | 6 | TI (2005)  | \$ 2,505,854  | \$ 2,004,683  | \$ 501,171   | Construction; HPP TI 180; SAFETEA-LU Earmark + HPP TI 180 Earmark Total Cost = \$3,018,243 |
| Earmarks Subtotal ► |                                                                                                |   |            | \$ 18,410,958 | \$ 14,728,766 | \$ 3,682,192 | ◄ Funding Split Varies by Earmark                                                          |

## ► Other

|                  |                        |  |  |      |      |      |                                          |
|------------------|------------------------|--|--|------|------|------|------------------------------------------|
|                  | No Projects Programmed |  |  | \$ - | \$ - | \$ - |                                          |
| Other Subtotal ► |                        |  |  | \$ - | \$ - | \$ - | ◄ Funding Split Varies by Funding Source |

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

### ► IM - Interstate Maintenance

|               |                                                                 |   |    |               |              |              |                                 |
|---------------|-----------------------------------------------------------------|---|----|---------------|--------------|--------------|---------------------------------|
| 606171        | SHARON- WALPOLE - INTERSTATE MAINTENANCE & RELATED WORK ON I-95 | 5 | IM | \$ 10,308,480 | \$ 9,277,632 | \$ 1,030,848 |                                 |
| IM Subtotal ► |                                                                 |   |    | \$ 10,308,480 | \$ 9,277,632 | \$ 1,030,848 | ◄ 90% Federal + 10% Non-Federal |

### ► NHSP - National Highway System Preservation Program

|                |                                                                     |   |     |              |              |              |                                 |
|----------------|---------------------------------------------------------------------|---|-----|--------------|--------------|--------------|---------------------------------|
| N/A            | WEYMOUTH- BRAINTREE- QUINCY - RESURFACING & RELATED WORK ON ROUTE 3 | 6 | NHS | \$ 9,817,600 | \$ 7,854,080 | \$ 1,963,520 |                                 |
| NHS Subtotal ► |                                                                     |   |     | \$ 9,817,600 | \$ 7,854,080 | \$ 1,963,520 | ◄ 80% Federal + 20% Non-Federal |

### ► SRTS - Safe Routes to School Program

|                 |                                                          |   |      |              |              |      |                |
|-----------------|----------------------------------------------------------|---|------|--------------|--------------|------|----------------|
| N/A             | MALDEN- SAFE ROUTES TO SCHOOL (BEEBE SCHOOL)             | 4 | SRTS | \$ 480,480   | \$ 480,480   | \$ - |                |
| N/A             | MANCHESTER- SAFE ROUTES TO SCHOOL (MEMORIAL ELEMENTARY)  | 4 | SRTS | \$ 505,440   | \$ 505,440   | \$ - |                |
| N/A             | MILTON- SAFE ROUTES TO SCHOOL (GLOVER ELEMENTARY SCHOOL) | 4 | SRTS | \$ 624,520   | \$ 624,520   | \$ - |                |
| N/A             | WESTWOOD- SAFE ROUTES TO SCHOOL (DOWNEY ELEMENTARY)      | 6 | SRTS | \$ 569,920   | \$ 569,920   | \$ - |                |
| SRTS Subtotal ► |                                                          |   |      | \$ 2,180,360 | \$ 2,180,360 | \$ - | ◄ 100% Federal |

# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼                                                        | MassDOT<br>Project Description ▼                                                                        | MassDOT<br>District ▼ | Funding<br>Source ▼              | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼              |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|--------------------------------|--------------------|------------------------|------------------------------------------|
| <b>► Statewide Infrastructure Program</b>                                         |                                                                                                         |                       |                                  |                                |                    |                        |                                          |
| 603917                                                                            | STONEHAM- WOBURN- LIGHTING UPGRADES ON I-93                                                             | 4                     | Statewide Infrastructure Program | \$ 1,100,000                   | \$ 880,000         | \$ 220,000             |                                          |
| Statewide Infrastructure Subtotal ►                                               |                                                                                                         |                       |                                  | \$ 1,100,000                   | \$ 880,000         | \$ 220,000             | ◄ 80% Federal + 20% Non-Federal          |
| <b>► Statewide CMAQ - Statewide Congestion Mitigation and Air Quality Program</b> |                                                                                                         |                       |                                  |                                |                    |                        |                                          |
| 603462                                                                            | DUXBURY- INTERSECTION IMPROVEMENTS AT KINGSTOWN WAY (ROUTE 53) & WINTER STREET                          | 5                     | CMAQ                             | \$ 1,141,606                   | \$ 913,285         | \$ 228,321             |                                          |
| 601019                                                                            | WINCHESTER- SIGNAL & INTERSECTION IMPROVEMENTS AT 4 LOCATIONS ON CHURCH STREET & ROUTE 3 (CAMBRIDGE ST) | 4                     | CMAQ                             | \$ 4,145,339                   | \$ 3,316,271       | \$ 829,068             |                                          |
| Statewide CMAQ Subtotal ►                                                         |                                                                                                         |                       |                                  | \$ 5,286,945                   | \$ 4,229,556       | \$ 1,057,389           | ◄ 80% Federal + 20% Non-Federal          |
| <b>► Statewide TE - Statewide Transportation Enhancement Program</b>              |                                                                                                         |                       |                                  |                                |                    |                        |                                          |
| 604532                                                                            | ACTON- CARLISLE- WESTFORD- BRUCE FREEMAN RAIL TRAIL (PHASE II-A)                                        | 3                     | Statewide TE                     | \$ 8,788,000                   | \$ 7,030,400       | \$ 1,757,600           |                                          |
| Statewide TE Subtotal ►                                                           |                                                                                                         |                       |                                  | \$ 8,788,000                   | \$ 7,030,400       | \$ 1,757,600           | ◄ 80% Federal + 20% Non-Federal          |
| <b>► Other</b>                                                                    |                                                                                                         |                       |                                  |                                |                    |                        |                                          |
| N/A                                                                               | CENTRAL ARTERY/TUNNEL PROJECT- NATIONAL HIGHWAY SYSTEM                                                  | N/A                   | Other                            | \$ 44,450,000                  | \$ -               | \$ -                   |                                          |
| N/A                                                                               | CENTRAL ARTERY/TUNNEL PROJECT- STATE TRANSPORTATION PROGRAM/FLEX                                        | N/A                   | Other                            | \$ 58,390,000                  | \$ -               | \$ -                   |                                          |
| N/A                                                                               | CENTRAL ARTERY/TUNNEL PROJECT- STATE TRANSPORTATION PROGRAM                                             | N/A                   | Other                            | \$ 20,000,000                  | \$ -               | \$ -                   | Last year of GANs payments for CA/T      |
| Other Subtotal ►                                                                  |                                                                                                         |                       |                                  | \$ 122,840,000                 | \$ -               | \$ -                   | ◄ Funding Split Varies by Funding Source |

# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 2A / Non-Federal Projects

|                                |                                                                                      |     |       |                |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------|-----|-------|----------------|--|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N/A                            | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A | Other | \$ 94,900,000  |  | \$ 94,900,000  | The Green Line Extension project is currently in the New Starts pipeline and the Commonwealth anticipates a decision in a Full Funding Grant Agreement in FFY 2015. The cash flows for the project, therefore, provide 100% bond funding for FFY 2013-14 and begin programming New Starts funding in FFY 2015. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded. |
| N/A                            | FAIRMOUNT IMPROVEMENTS                                                               | N/A | Other | \$ 11,155,536  |  | \$ 11,155,536  | Lists cash flows (based on state fiscal year) for Fairmount Improvements                                                                                                                                                                                                                                                                                                                                                 |
| N/A                            | RED LINE-BLUE LINE CONNECTOR DESIGN                                                  | N/A | Other | \$ 29,000,000  |  | \$ 29,000,000  | MassDOT made a formal request on Aug. 1, 2011, to remove this project from the State Implementation Plan regulation. The MPO is continuing to reference this project in the document until the process is complete.                                                                                                                                                                                                      |
| Non-Federal Projects Subtotal► |                                                                                      |     |       | \$ 135,055,536 |  | \$ 135,055,536 | ◄100% Non-Federal                                                                                                                                                                                                                                                                                                                                                                                                        |

## ► Section 2B / Non-Federal Bridge Projects

|                                       |                        |  |  |      |  |      |                   |
|---------------------------------------|------------------------|--|--|------|--|------|-------------------|
|                                       | No Projects Programmed |  |  | \$ - |  | \$ - |                   |
| Non-Federal Bridge Projects Subtotal► |                        |  |  | \$ - |  | \$ - | ◄100% Non-Federal |

# 2014 Boston MPO TIP Summary - Highway

|                     | TIP Section 1:<br>▼ | TIP Section 2:<br>▼ | Total of All<br>Projects ▼ |                                        |
|---------------------|---------------------|---------------------|----------------------------|----------------------------------------|
| Total ►             | \$ 169,277,777      | \$ -                | \$ 169,277,777             | ◄ Total Spending in Region             |
| Federal Funds ►     | \$ 137,318,812      |                     | \$ 137,318,812             | ◄ Total Federal Spending in Region     |
| Non-Federal Funds ► | \$ 31,958,965       | \$ -                | \$ 31,958,965              | ◄ 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>

# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| Regional Transit Authority | Project Description ▼ | Federal Funds Source ▼ | Federal Amount ▼ | State Funds Source ▼ | State Amount ▼ | RTA Funds ▼ | Total Cost ▼ | Carryover and Year ▼ | Additional Information ▼ |
|----------------------------|-----------------------|------------------------|------------------|----------------------|----------------|-------------|--------------|----------------------|--------------------------|
|----------------------------|-----------------------|------------------------|------------------|----------------------|----------------|-------------|--------------|----------------------|--------------------------|

## ► Section 3 / Transit Operating - Section 5307

|                                  |                                                                         |      |                       |  |                   |                      |                       |  |  |
|----------------------------------|-------------------------------------------------------------------------|------|-----------------------|--|-------------------|----------------------|-----------------------|--|--|
| <b>MBTA</b>                      | REVENUE VEHICLES (OTHER VEHICLE PROGRAMS)                               | 5307 | \$ 35,000,000         |  |                   | \$ 8,750,000         | \$ 43,750,000         |  |  |
| <b>MBTA</b>                      | SYSTEMS UPGRADES                                                        | 5307 | \$ 6,012,172          |  |                   | \$ 1,503,043         | \$ 7,515,215          |  |  |
| <b>MBTA</b>                      | FACILITIES (YARDS, SHOPS, PARKING, ETC.) - PARKING SYSTEMS IMPROVEMENTS | 5307 | \$ 20,000,000         |  |                   | \$ 5,000,000         | \$ 25,000,000         |  |  |
| <b>MBTA</b>                      | BRIDGES & TUNNELS                                                       | 5307 | \$ 60,000,000         |  |                   | \$ 15,000,000        | \$ 75,000,000         |  |  |
| <b>MBTA</b>                      | PREVENTATIVE MAINTENANCE                                                | 5307 | \$ 12,000,000         |  |                   | \$ 3,000,000         | \$ 15,000,000         |  |  |
| <b>CATA</b>                      | CAPE ANN TRANSPORTATION AUTHORITY                                       | 5307 | \$ 515,114            |  | \$ 281,000        |                      | \$ 796,114            |  |  |
|                                  | Preventative Maintenance                                                | 5307 | \$ 300,000            |  | \$ 75,000         |                      | \$ 375,000            |  |  |
|                                  | 29' Bus Rolling Stock (4)                                               | 5307 | \$ 55,114             |  | \$ 166,000        |                      | \$ 221,114            |  |  |
|                                  | Gas Storage Tank                                                        | 5307 | \$ 160,000            |  | \$ 40,000         |                      | \$ 200,000            |  |  |
| <b>MWRTA</b>                     | METROWEST REGIONAL TRANSIT AUTHORITY                                    | 5307 | \$ 1,668,698          |  | \$ 417,175        |                      | \$ 2,085,873          |  |  |
|                                  | ADA Paratransit                                                         | 5307 | \$ 1,103,398          |  | \$ 275,850        |                      | \$ 1,379,248          |  |  |
|                                  | Equipment and Facilities                                                | 5307 | \$ 565,300            |  | \$ 141,325        |                      | \$ 706,625            |  |  |
| <b>Transit Operating Total ►</b> |                                                                         |      | <b>\$ 135,195,984</b> |  | <b>\$ 698,175</b> | <b>\$ 33,253,043</b> | <b>\$ 169,147,202</b> |  |  |

## ► Section 4 / Transit Capital - Section 5309

|                                |                                                                  |      |                      |  |             |                      |                       |  |  |
|--------------------------------|------------------------------------------------------------------|------|----------------------|--|-------------|----------------------|-----------------------|--|--|
| <b>MBTA</b>                    | REVENUE VEHICLES (RED AND ORANGE LINE - NEW VEHICLE PROCUREMENT) | 5309 | \$ 72,000,000        |  |             | \$ 18,000,000        | \$ 90,000,000         |  |  |
| <b>MBTA</b>                    | SYSTEMS UPGRADES                                                 | 5309 | \$ 21,981,902        |  |             | \$ 5,495,476         | \$ 27,477,378         |  |  |
| <b>Transit Capital Total ►</b> |                                                                  |      | <b>\$ 93,981,902</b> |  | <b>\$ -</b> | <b>\$ 23,495,476</b> | <b>\$ 117,477,378</b> |  |  |



# 2014 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| Regional Transit Authority                                                                         | Project Description ▼            | Federal Funds Source ▼ | Federal Amount ▼ | State Funds Source ▼ | State Amount ▼ | RTA Funds ▼ | Total Cost ▼ | Carryover and Year ▼ | Additional Information ▼                  |
|----------------------------------------------------------------------------------------------------|----------------------------------|------------------------|------------------|----------------------|----------------|-------------|--------------|----------------------|-------------------------------------------|
| ► Section 5 / Job Access Reverse Commute (JARC) - Section 5316 and New Freedom (NF) - Section 5317 |                                  |                        |                  |                      |                |             |              |                      |                                           |
| MWRTA                                                                                              | JARC Communications              | 5316                   | \$ 258,700       |                      | \$ 64,675      |             | \$ 323,375   |                      | previously awarded                        |
| MWRTA                                                                                              | Route 9 Extended Service         | 5316                   | \$ 300,000       |                      |                | \$ 262,500  | \$ 562,500   |                      | \$500,000 (Operating), \$62,500 (Capital) |
|                                                                                                    | Friendship Home - Wheels to Work | 5317                   | \$ 26,350        |                      |                | \$ 26,350   | \$ 52,700    |                      | Operating                                 |
| MBTA                                                                                               | Paratransit Customers Program    | 5317                   | \$ 131,942       |                      |                | \$ 32,986   | \$ 164,928   |                      | Capital                                   |
| JARC and NF Total ►                                                                                |                                  |                        | \$ 716,992       |                      | \$ 64,675      | \$ 321,836  | \$ 1,103,503 |                      |                                           |

# 2014 Boston MPO TIP Summary - Transit

TIP Section 3: ▼ TIP Section 4: ▼ TIP Section 5: ▼ Total of All Projects ▼

|                |               |              |                |                                        |
|----------------|---------------|--------------|----------------|----------------------------------------|
| \$ 169,147,202 | \$117,477,378 | \$ 1,103,503 | \$ 287,728,083 | ◀ Total Spending in Region             |
| \$ 135,195,984 | \$ 93,981,902 | \$ 716,992   | \$ 229,894,878 | ◀ Total Federal Spending in Region     |
| \$ 33,951,218  | \$ 23,495,476 | \$ 386,511   | \$ 57,833,205  | ◀ Total Non-Federal Spending in Region |

# 2015 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

|                |                                                                                                                                                                                               |   |        |               |               |              |                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------|
| 606284         | BOSTON- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM AMORY STREET TO ALCORN STREET                                                                                                               | 6 | STP    | \$ 7,446,852  | \$ 5,957,482  | \$ 1,489,370 | STP+CMAQ+Earmarks (SAFETEA-LU, Section 125 and 129, STPP, TCSP) Total Cost = \$16,866,250 |
| 601630         | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP-AC | \$ 11,406,086 | \$ 9,124,869  | \$ 2,281,217 | AC Yr 3 of 3; STP+ TEA-21 Earmark Total Cost = \$38,340,000                               |
| STP Subtotal ► |                                                                                                                                                                                               |   |        | \$ 18,852,938 | \$ 15,082,350 | \$ 3,770,588 | ◄ 80% Federal + 20% Non-Federal                                                           |

### ► NHS - National Highway System

|                |                                                                                                                                                             |   |        |               |               |              |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 603711         | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHS-AC | \$ 30,000,000 | \$ 24,000,000 | \$ 6,000,000 | AC Yr 3 of 5; NHS+BR Total Cost = \$127,500,000 (\$120,000,000 programmed within FFYs 2013-16 TIP, AC Yr 5 of 5 will be programmed in FFY 2017) |
| NHS Subtotal ► |                                                                                                                                                             |   |        | \$ 30,000,000 | \$ 24,000,000 | \$ 6,000,000 | ◄ 80% Federal + 20% Non-Federal                                                                                                                 |

### ► HSIP - Highway Safety Improvement Program

|                 |                        |  |  |      |      |      |                                                  |
|-----------------|------------------------|--|--|------|------|------|--------------------------------------------------|
|                 | No Projects Programmed |  |  | \$ - | \$ - | \$ - |                                                  |
| HSIP Subtotal ► |                        |  |  | \$ - | \$ - | \$ - | ◄ Funding Split Varies by Project Specifications |

### ► CMAQ - Congestion Mitigation and Air Quality Improvement Program

|                 |                                                                                 |   |      |               |              |              |                                                                                           |
|-----------------|---------------------------------------------------------------------------------|---|------|---------------|--------------|--------------|-------------------------------------------------------------------------------------------|
| 606284          | BOSTON- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM AMORY STREET TO ALCORN STREET | 6 | CMAQ | \$ 5,000,000  | \$ 4,000,000 | \$ 1,000,000 | STP+CMAQ+Earmarks (SAFETEA-LU, Section 125 and 129, STPP, TCSP) Total Cost = \$16,866,250 |
| 604652          | STONEHAM- WINCHESTER- WOBURN- TRI-COMMUNITY BIKEWAY                             | 4 | CMAQ | \$ 5,429,110  | \$ 4,343,288 | \$ 1,085,822 |                                                                                           |
| 456661          | CLEAN AIR AND MOBILITY                                                          |   | CMAQ | \$ -          | \$ -         | \$ -         |                                                                                           |
| CMAQ Subtotal ► |                                                                                 |   |      | \$ 10,429,110 | \$ 8,343,288 | \$ 2,085,822 | ◄ 80% Federal + 20% Non-Federal                                                           |

# 2015 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1A / Fiscal Constraint Analysis

|                                             |               |               |               |                 |                        |
|---------------------------------------------|---------------|---------------|---------------|-----------------|------------------------|
| Total Federal Aid Target Funds Programmed ► | \$ 59,282,048 | \$ 59,316,086 | ◄Total Target | \$ 34,038       | Target Funds Available |
| Total STP Programmed ►                      | \$ 18,852,938 | \$ 46,425,955 | ◄ Max. STP    | \$ 27,573,017   | STP Available          |
| Total NHS Programmed ►                      | \$ 30,000,000 | \$ -          | ◄ Min. NHS    | \$ (30,000,000) | NHS funds are from STP |
| Total HSIP Programmed ►                     | \$ -          | \$ 4,296,710  | ◄ Min. HSIP   | \$ 4,296,710    | HSIP Minimum Not Met   |
| Total CMAQ Programmed ►                     | \$ 10,429,110 | \$ 8,593,421  | ◄ Min. CMAQ   | \$ (1,835,689)  | CMAQ Minimum Met       |

## ► Section 1B / Federal Aid Bridge Projects

|               |                                                                                                      |   |        |               |               |              |                                                                                           |
|---------------|------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------|
| 604428        | CHELSEA- BRIDGE REPLACEMENT, C-09-001, WASHINGTON AVENUE OVER THE MBTA AND B&M RAILROAD              | 6 | BR-On  | \$ 3,862,080  | \$ 3,089,664  | \$ 772,416   |                                                                                           |
| 606632        | HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER | 3 | BR-On  | \$ 8,270,478  | \$ 6,616,382  | \$ 1,654,096 |                                                                                           |
| 607119        | IPSWICH- BRIDGE REPAIRS, GREEN STREET OVER THE IPSWICH RIVER                                         | 4 | BR-Off | \$ 1,398,384  | \$ 1,118,707  | \$ 279,677   |                                                                                           |
| 604655        | MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER                            | 5 | BR-Off | \$ 2,423,004  | \$ 1,938,403  | \$ 484,601   |                                                                                           |
| 600867        | BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE       | 6 | BR-AC  | \$ 2,916,000  | \$ 2,332,800  | \$ 583,200   | AC Yr 1 of 4; Total Cost = \$23,117,239 (\$11,916,000 programmed within FFYs 2013-16 TIP) |
| 600703        | LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)               | 4 | BR-AC  | \$ 15,000,000 | \$ 12,000,000 | \$ 3,000,000 | AC Yr 3 of 3; Total Cost = \$31,800,000                                                   |
| 603722        | LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128                 | 4 | BR-AC  | \$ 1,572,762  | \$ 1,258,210  | \$ 314,552   | AC Yr 1 of 3; Total Cost = \$22,117,239 (\$11,572,762 programmed within FFYs 2013-16 TIP) |
| BR Subtotal ► |                                                                                                      |   |        | \$ 35,442,708 | \$ 28,354,166 | \$ 7,088,542 | ◄ 80% Federal + 20% Non-Federal                                                           |

# 2015 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1C / Federal Aid Non-Target Projects

### ► Earmarks

|                     |                                                                                                                                                                                               |   |               |              |              |            |                                                                                                                      |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------|--------------|--------------|------------|----------------------------------------------------------------------------------------------------------------------|
| <b>601630</b>       | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | HPP (1998)    | \$ 2,593,914 | \$ 2,075,131 | \$ 518,783 | Construction; HPP 1236; AC Yr 3 of 3; STP+TEA-21 Earmark Total Cost = \$38,340,000                                   |
| <b>606284</b>       | BOSTON- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM AMORY STREET TO ALCORN STREET                                                                                                               | 6 | HPP (2005)    | \$ 1,114,501 | \$ 891,601   | \$ 222,900 | Construction; HPP 682; STP+CMAQ+Earmarks (SAFETEA-LU, Section 125 and 129, STPP, TCSP) Total Cost = \$16,866,250     |
| <b>606284</b>       | BOSTON- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM AMORY STREET TO ALCORN STREET                                                                                                               | 6 | \$ 129 (2008) | \$ 980,000   | \$ 980,000   | \$ -       | Construction; Section 129; STP+CMAQ+Earmarks (SAFETEA-LU, Section 125 and 129, STPP, TCSP) Total Cost = \$16,866,250 |
| <b>606284</b>       | BOSTON- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM AMORY STREET TO ALCORN STREET                                                                                                               | 6 | \$ 125 (2009) | \$ 475,000   | \$ 475,000   | \$ -       | Construction; Section 125; STP+CMAQ+Earmarks (SAFETEA-LU, Section 125 and 129, STPP, TCSP) Total Cost = \$16,866,250 |
| <b>606284</b>       | BOSTON- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM AMORY STREET TO ALCORN STREET                                                                                                               | 6 | STPP (2010)   | \$ 599,897   | \$ 599,897   | \$ -       | Construction; STPP; STP+CMAQ+Earmarks (SAFETEA-LU, Section 125 and 129, STPP, TCSP) Total Cost = \$16,866,250        |
| <b>606284</b>       | BOSTON- IMPROVEMENTS TO COMMONWEALTH AVENUE, FROM AMORY STREET TO ALCORN STREET                                                                                                               | 6 | TCSP          | \$ 1,250,000 | \$ 1,000,000 | \$ 250,000 | Construction; TCSP; STP+CMAQ+Earmarks (SAFETEA-LU, Section 125 and 129, STPP, TCSP) Total Cost = \$16,866,250        |
| Earmarks Subtotal ► |                                                                                                                                                                                               |   |               | \$ 7,013,312 | \$ 6,021,629 | \$ 991,683 | ◄ Funding Split Varies by Earmark                                                                                    |

### ► Other

|                  |                        |  |  |      |      |      |                                          |
|------------------|------------------------|--|--|------|------|------|------------------------------------------|
|                  | No Projects Programmed |  |  | \$ - | \$ - | \$ - |                                          |
| Other Subtotal ► |                        |  |  | \$ - | \$ - | \$ - | ◄ Funding Split Varies by Funding Source |

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

### ► IM - Interstate Maintenance

|               |                        |  |  |      |      |      |                                 |
|---------------|------------------------|--|--|------|------|------|---------------------------------|
|               | No Projects Programmed |  |  | \$ - | \$ - | \$ - |                                 |
| IM Subtotal ► |                        |  |  | \$ - | \$ - | \$ - | ◄ 90% Federal + 10% Non-Federal |

# 2015 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT Project ID ▼                                                          | MassDOT Project Description ▼                                                                   | MassDOT District ▼ | Funding Source ▼                 | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼                 |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------|----------------------------------|--------------------------|-----------------|---------------------|------------------------------------------|
| <b>► NHSP - National Highway System Preservation Program</b>                  |                                                                                                 |                    |                                  |                          |                 |                     |                                          |
| N/A                                                                           | CHELSEA- REVERE- RESURFACING & RELATED WORK ON ROUTE 1                                          | 6                  | NHS                              | \$ 7,455,240             | \$ 5,964,192    | \$ 1,491,048        |                                          |
| NHS Subtotal ►                                                                |                                                                                                 |                    |                                  | \$ 7,455,240             | \$ 5,964,192    | \$ 1,491,048        | ◄ 80% Federal + 20% Non-Federal          |
| <b>► SRTS - Safe Routes to School Program</b>                                 |                                                                                                 |                    |                                  |                          |                 |                     |                                          |
| N/A                                                                           | SAUGUS- SAFE ROUTES TO SCHOOL (VETERANS MEMORIAL)                                               | 4                  | SRTS                             | \$ 432,000               | \$ 432,000      | \$ -                |                                          |
| N/A                                                                           | SOMERVILLE- SAFE ROUTES TO SCHOOL (HEALEY SCHOOL)                                               | 4                  | SRTS                             | \$ 768,960               | \$ 768,960      | \$ -                |                                          |
| SRTS Subtotal ►                                                               |                                                                                                 |                    |                                  | \$ 1,200,960             | \$ 1,200,960    | \$ -                | ◄ 100% Federal                           |
| <b>► Statewide Infrastructure Program</b>                                     |                                                                                                 |                    |                                  |                          |                 |                     |                                          |
| 603917                                                                        | STONEHAM- WOBURN- LIGHTING UPGRADES ON I-93                                                     | 4                  | Statewide Infrastructure Program | \$ 5,400,000             | \$ 4,320,000    | \$ 1,080,000        |                                          |
| 605733                                                                        | BOSTON- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE | 6                  | Statewide Infrastructure Program | \$ 600,000               | \$ 480,000      | \$ 120,000          |                                          |
| Statewide Infrastructure Subtotal ►                                           |                                                                                                 |                    |                                  | \$ 6,000,000             | \$ 4,800,000    | \$ 1,200,000        | ◄ 80% Federal + 20% Non-Federal          |
| <b>► Statewide ITS - Statewide Intelligent Transportation Systems Program</b> |                                                                                                 |                    |                                  |                          |                 |                     |                                          |
| 606930                                                                        | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE TOW TRUCK SERVICES                                  | 6                  | Statewide ITS                    | \$ 200,000               | \$ 160,000      | \$ 40,000           |                                          |
| 606931                                                                        | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE BARRIER TRANSFER VEHICLE (BTV) OPERATOR CONTRACT    | 6                  | Statewide ITS                    | \$ 200,000               | \$ 160,000      | \$ 40,000           |                                          |
| 606932                                                                        | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE OPERATING EXPENSES                                  | 6                  | Statewide ITS                    | \$ 200,000               | \$ 160,000      | \$ 40,000           |                                          |
| Statewide ITS Subtotal ►                                                      |                                                                                                 |                    |                                  | \$ 600,000               | \$ 480,000      | \$ 120,000          | ◄ 80% Federal + 20% Non-Federal          |
| <b>► Other</b>                                                                |                                                                                                 |                    |                                  |                          |                 |                     |                                          |
| N/A                                                                           | ACCELERATED BRIDGE PROGRAM- BRIDGE                                                              | N/A                | Other                            | \$ 150,000,000           | \$ -            | \$ -                | First year of GANS payments for ABP      |
| Other Subtotal ►                                                              |                                                                                                 |                    |                                  | \$ 150,000,000           | \$ -            | \$ -                | ◄ Funding Split Varies by Funding Source |

# 2015 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT Project ID ▼                       | MassDOT Project Description ▼                                                        | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------------|--------------------|------------------|--------------------------|-----------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>► Section 2A / Non-Federal Projects</b> |                                                                                      |                    |                  |                          |                 |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| N/A                                        | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A                | Other            | \$ 235,800,000           |                 | \$ 135,800,000      | The Green Line Extension project is currently in the New Starts pipeline and the Commonwealth anticipates a decision in a Full Funding Grant Agreement in FFY 2015. The cash flows for the project, therefore, provide 100% bond funding for FFY 2013-14 and begin programming New Starts funding of \$100,000,000 in FFY 2015 and \$100,000,000 in FFY 2016. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded. |
| N/A                                        | FAIRMOUNT IMPROVEMENTS                                                               | N/A                | Other            | \$ 6,922,845             |                 | \$ 6,922,845        | Lists cash flows (based on state fiscal year) for Fairmount Improvements                                                                                                                                                                                                                                                                                                                                                                                                |
| N/A                                        | RED LINE-BLUE LINE CONNECTOR DESIGN                                                  | N/A                | Other            | \$ 10,000,000            |                 | \$ 10,000,000       | MassDOT made a formal request on Aug. 1, 2011, to remove this project from the State Implementation Plan regulation. The MPO is continuing to reference this project in the document until the process is complete.                                                                                                                                                                                                                                                     |
| Non-Federal Projects Subtotal ►            |                                                                                      |                    |                  | \$ 252,722,845           |                 | \$ 152,722,845      | ◀100% Non-Federal                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## ► Section 2B / Non-Federal Bridge Projects

|                                        |  |  |      |  |      |                   |
|----------------------------------------|--|--|------|--|------|-------------------|
| No Projects Programmed                 |  |  | \$ - |  | \$ - |                   |
| Non-Federal Bridge Projects Subtotal ► |  |  | \$ - |  | \$ - | ◀100% Non-Federal |

# 2015 Boston MPO TIP Summary - Highway

|                     | TIP Section 1: ▼ | TIP Section 2: ▼ | Total of All Projects ▼ |                                        |
|---------------------|------------------|------------------|-------------------------|----------------------------------------|
| Total ►             | \$ 116,994,268   | \$ -             | \$ 116,994,268          | ◀ Total Spending in Region             |
| Federal Funds ►     | \$ 94,246,586    |                  | \$ 94,246,586           | ◀ Total Federal Spending in Region     |
| Non-Federal Funds ► | \$ 22,747,682    | \$ -             | \$ 22,747,682           | ◀ 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>

# 2015 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| Regional<br>Transit<br>Authority | Project<br>Description ▼ | Federal<br>Funds<br>Source ▼ | Federal<br>Amount ▼ | State Funds<br>Source ▼ | State<br>Amount ▼ | RTA<br>Funds ▼ | Total<br>Cost ▼ | Carryover<br>and<br>Year ▼ | Additional Information<br>▼ |
|----------------------------------|--------------------------|------------------------------|---------------------|-------------------------|-------------------|----------------|-----------------|----------------------------|-----------------------------|
|----------------------------------|--------------------------|------------------------------|---------------------|-------------------------|-------------------|----------------|-----------------|----------------------------|-----------------------------|

## ► Section 3 / Transit Operating - Section 5307

|                                  |                                           |      |                       |  |                   |                      |                       |  |  |
|----------------------------------|-------------------------------------------|------|-----------------------|--|-------------------|----------------------|-----------------------|--|--|
| <b>MBTA</b>                      | REVENUE VEHICLES (OTHER VEHICLE PROGRAMS) | 5307 | \$ 55,000,000         |  |                   | \$ 13,750,000        | \$ 68,750,000         |  |  |
| <b>MBTA</b>                      | SYSTEMS UPGRADES                          | 5307 | \$ 6,012,172          |  |                   | \$ 1,503,043         | \$ 7,515,215          |  |  |
| <b>MBTA</b>                      | BRIDGES & TUNNELS                         | 5307 | \$ 60,000,000         |  |                   | \$ 15,000,000        | \$ 75,000,000         |  |  |
| <b>MBTA</b>                      | PREVENTATIVE MAINTENANCE                  | 5307 | \$ 12,000,000         |  |                   | \$ 3,000,000         | \$ 15,000,000         |  |  |
| <b>CATA</b>                      | CAPE ANN TRANSPORTATION AUTHORITY         | 5307 | \$ 515,114            |  | \$ 281,000        |                      | \$ 796,114            |  |  |
|                                  | Preventative Maintenance                  | 5307 | \$ 300,000            |  | \$ 75,000         |                      | \$ 375,000            |  |  |
|                                  | 29' Bus Rolling Stock (2)                 | 5307 | \$ 55,114             |  | \$ 166,000        |                      | \$ 221,114            |  |  |
|                                  | Support Equipment                         | 5307 | \$ 80,000             |  | \$ 20,000         |                      | \$ 100,000            |  |  |
|                                  | Facility Maintenance                      | 5307 | \$ 80,000             |  | \$ 20,000         |                      | \$ 100,000            |  |  |
| <b>MWRTA</b>                     | METROWEST REGIONAL TRANSIT AUTHORITY      | 5307 | \$ 1,668,698          |  | \$ 417,175        |                      | \$ 2,085,873          |  |  |
|                                  | ADA Paratransit                           | 5307 | \$ 1,300,000          |  | \$ 325,000        |                      | \$ 1,625,000          |  |  |
|                                  | Equipment and Facilities                  | 5307 | \$ 368,698            |  | \$ 92,175         |                      | \$ 460,873            |  |  |
| <b>Transit Operating Total ►</b> |                                           |      | <b>\$ 135,195,984</b> |  | <b>\$ 698,175</b> | <b>\$ 33,253,043</b> | <b>\$ 169,147,202</b> |  |  |

## ► Section 4 / Transit Capital - Section 5309

|                                |                                                                |      |                      |  |             |                      |                       |  |  |
|--------------------------------|----------------------------------------------------------------|------|----------------------|--|-------------|----------------------|-----------------------|--|--|
| <b>MBTA</b>                    | REVENUE VEHICLES- RED AND ORANGE LINE- NEW VEHICLE PROCUREMENT | 5309 | \$ 58,000,000        |  |             | \$ 14,500,000        | \$ 72,500,000         |  |  |
| <b>MBTA</b>                    | SYSTEM UPGRADES                                                | 5309 | \$ 35,981,902        |  |             | \$ 8,995,476         | \$ 44,977,378         |  |  |
| <b>Transit Capital Total ►</b> |                                                                |      | <b>\$ 93,981,902</b> |  | <b>\$ -</b> | <b>\$ 23,495,476</b> | <b>\$ 117,477,378</b> |  |  |

## ► Section 5 / Job Access Reverse Commute (JARC) - Section 5316 and New Freedom (NF) - Section 5317

|                            |                                  |      |                  |  |             |                  |                  |  |           |
|----------------------------|----------------------------------|------|------------------|--|-------------|------------------|------------------|--|-----------|
|                            | Friendship Home - Wheels to Work | 5317 | \$ 26,250        |  |             | \$ 26,250        | \$ 52,500        |  | Operating |
| <b>JARC and NF Total ►</b> |                                  |      | <b>\$ 26,250</b> |  | <b>\$ -</b> | <b>\$ 26,250</b> | <b>\$ 52,500</b> |  |           |

# 2015 Boston MPO TIP Summary - Transit

TIP Section 3: ▼ TIP Section 4: ▼ TIP Section 5: ▼ Total of All Projects ▼

|                |                |           |                |                                        |
|----------------|----------------|-----------|----------------|----------------------------------------|
| \$ 169,147,202 | \$ 117,477,378 | \$ 52,500 | \$ 286,677,080 | ◀ Total Spending in Region             |
| \$ 135,195,984 | \$ 93,981,902  | \$ 26,250 | \$ 229,204,136 | ◀ Total Federal Spending in Region     |
| \$ 33,951,218  | \$ 23,495,476  | \$ 26,250 | \$ 57,472,944  | ◀ Total Non-Federal Spending in Region |

# 2016 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1A / Federal Aid Target Projects

### ► STP - Surface Transportation Program

|                |                                                                                                                                                           |   |     |               |               |              |                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|---------------|---------------|--------------|-----------------------------------------------------------------------------------------------------|
| 29492          | BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III) | 4 | STP | \$ 20,147,443 | \$ 16,117,954 | \$ 4,029,489 | STP+ Northern Middlesex Council of Governments contribution (\$1,000,000) Total Cost = \$21,147,443 |
| 604810         | MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)                                                                                                    | 3 | STP | \$ 3,397,727  | \$ 2,718,182  | \$ 679,545   | STP+ CMAQ Total Cost = \$5,397,727                                                                  |
| 605657         | MEDWAY- RECONSTRUCTION ON ROUTE 109, FROM HOLLISTON STREET TO 100 FT. WEST OF HIGHLAND STREET, INCLUDES REHAB OF M-13-012                                 | 3 | STP | \$ 6,234,839  | \$ 4,987,871  | \$ 1,246,968 | STP+ CMAQ Total Cost = \$11,234,839                                                                 |
| STP Subtotal ► |                                                                                                                                                           |   |     | \$ 29,780,009 | \$ 23,824,007 | \$ 5,956,002 | ◄ 80% Federal + 20% Non-Federal                                                                     |

### ► NHS - National Highway System

|                |                                                                                                                                                             |   |        |               |               |              |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 603711         | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHS-AC | \$ 23,500,000 | 18,800,000    | 4,700,000    | AC Yr 4 of 5; NHS+BR Total Cost = \$127,500,000 (\$120,000,000 programmed within FFYs 2013-16 TIP, AC Yr 5 of 5 will be programmed in FFY 2017) |
| NHS Subtotal ► |                                                                                                                                                             |   |        | \$ 23,500,000 | \$ 18,800,000 | \$ 4,700,000 | ◄ 80% Federal + 20% Non-Federal                                                                                                                 |

### ► HSIP - Highway Safety Improvement Program

|                        |  |  |  |      |      |      |                                                  |
|------------------------|--|--|--|------|------|------|--------------------------------------------------|
| No Projects Programmed |  |  |  | \$ - | \$ - | \$ - |                                                  |
| HSIP Subtotal ►        |  |  |  | \$ - | \$ - | \$ - | ◄ Funding Split Varies by Project Specifications |

### ► CMAQ - Congestion Mitigation and Air Quality Improvement Program

|                        |                                                                                                                           |   |      |               |               |              |                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|---|------|---------------|---------------|--------------|---------------------------------------------------------------------------|
| 605110                 | BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)                                   | 6 | CMAQ | \$ 4,591,009  | \$ 3,672,807  | \$ 918,202   | CMAQ+ Private Sector Contribution (\$1,000,000) Total Cost = \$5,591,009  |
| 604810                 | MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)                                                                    | 3 | CMAQ | \$ 2,000,000  | \$ 1,600,000  | \$ 400,000   | STP+ CMAQ Total Cost = \$5,397,727                                        |
| 605657                 | MEDWAY- RECONSTRUCTION ON ROUTE 109, FROM HOLLISTON STREET TO 100 FT. WEST OF HIGHLAND STREET, INCLUDES REHAB OF M-13-012 | 3 | CMAQ | \$ 5,000,000  | \$ 4,000,000  | \$ 1,000,000 | STP+ CMAQ Total Cost = \$11,234,839                                       |
|                        | GREEN LINE EXTENSION PROJECT (PHASE II), MEDFORD HILLSIDE (COLLEGE AVENUE) TO MYSTIC VALLEY PARKWAY/ROUTE 16              |   | CMAQ | \$ 8,100,000  | \$ 6,480,000  | \$ 1,620,000 | Total Cost = \$190,100,000 (\$8,100,000 programmed with FFYs 2013-16 TIP) |
| 456661                 | CLEAN AIR AND MOBILITY                                                                                                    |   | CMAQ | \$ 3,000,000  | \$ 2,400,000  | \$ 600,000   |                                                                           |
| No Projects Programmed |                                                                                                                           |   |      | \$ -          | \$ -          | \$ -         |                                                                           |
| CMAQ Subtotal ►        |                                                                                                                           |   |      | \$ 22,691,009 | \$ 18,152,807 | \$ 4,538,202 | ◄ 80% Federal + 20% Non-Federal                                           |



# 2016 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Section 1A / Fiscal Constraint Analysis

|                                             |               |               |               |                 |                        |
|---------------------------------------------|---------------|---------------|---------------|-----------------|------------------------|
| Total Federal Aid Target Funds Programmed ► | \$ 75,971,018 | \$ 76,083,999 | ◄Total Target | \$ 112,981      | Target Funds Available |
| Total STP Programmed ►                      | \$ 29,780,009 | \$ 63,193,868 | ◄ Max. STP    | \$ 33,413,859   | STP Available          |
| Total NHS Programmed ►                      | \$ 23,500,000 | \$ -          | ◄ Min. NHS    | \$ (23,500,000) | NHS funds are from STP |
| Total HSIP Programmed ►                     | \$ -          | \$ 4,296,710  | ◄ Min. HSIP   | \$ 4,296,710    | HSIP Minimum Not Met   |
| Total CMAQ Programmed ►                     | \$ 22,691,009 | \$ 8,593,421  | ◄ Min. CMAQ   | \$ (14,097,588) | CMAQ Minimum Met       |

## ► Section 1B / Federal Aid Bridge Projects

|               |                                                                                                |   |        |               |               |              |                                                                                           |
|---------------|------------------------------------------------------------------------------------------------|---|--------|---------------|---------------|--------------|-------------------------------------------------------------------------------------------|
| 607132        | QUINCY- BRIDGE REPLACEMENT, STEDMAN STREET OVER I-93/US 1/SR 3                                 | 6 | BR-Off | \$ 3,081,792  | \$ 2,465,434  | \$ 616,358   |                                                                                           |
| 607133        | QUINCY- BRIDGE REPLACEMENT, ROBERTSON STREET OVER I-93/US 1/SR 3                               | 6 | BR-Off | \$ 3,454,080  | \$ 2,763,264  | \$ 690,816   |                                                                                           |
| 604173        | BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER        | 6 | BR-AC  | \$ 2,600,000  | \$ 2,080,000  | \$ 520,000   | AC Yr 1; Total Cost = \$52,999,912 (\$2,600,000 programmed within FFYs 2013-16 TIP)       |
| 600867        | BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE | 6 | BR-AC  | \$ 9,000,000  | \$ 7,200,000  | \$ 1,800,000 | AC Yr 2 of 4; Total Cost = \$23,117,239 (\$11,916,000 programmed within FFYs 2013-16 TIP) |
| 603722        | LEXINGTON- BRIDGE REPLACEMENT, L-10-010, ROUTE 2A (MARRETT ROAD) OVER I-95/ROUTE 128           | 4 | BR-AC  | \$ 10,000,000 | \$ 8,000,000  | \$ 2,000,000 | AC Yr 2 of 3; Total Cost = \$22,117,239 (\$11,572,762 programmed within FFYs 2013-16 TIP) |
| BR Subtotal ► |                                                                                                |   |        | \$ 28,135,872 | \$ 22,508,698 | \$ 5,627,174 | ◄ 80% Federal + 20% Non-Federal                                                           |

## ► Section 1C / Federal Aid Non-Target Projects

### ► Earmarks

|                        |  |  |      |      |      |                                   |
|------------------------|--|--|------|------|------|-----------------------------------|
| No Projects Programmed |  |  | \$ - | \$ - | \$ - |                                   |
| Earmarks Subtotal ►    |  |  | \$ - | \$ - | \$ - | ◄ Funding Split Varies by Earmark |

### ► Other

|                        |  |  |      |      |      |                                          |
|------------------------|--|--|------|------|------|------------------------------------------|
| No Projects Programmed |  |  | \$ - | \$ - | \$ - |                                          |
| Other Subtotal ►       |  |  | \$ - | \$ - | \$ - | ◄ Funding Split Varies by Funding Source |

# 2016 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

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

### ► IM - Interstate Maintenance

|               |                                                                                                  |   |    |               |               |              |                                 |
|---------------|--------------------------------------------------------------------------------------------------|---|----|---------------|---------------|--------------|---------------------------------|
| 606176        | FOXBOROUGH- PLAINVILLE- WRENTHAM-<br>INTERSTATE MAINTENANCE & RELATED WORK ON<br>I-495 (NB & SB) | 5 | IM | \$ 12,475,904 | \$ 11,228,314 | \$ 1,247,590 |                                 |
| 606546        | FRANKLIN- INTERSTATE MAINTENANCE &<br>RELATED WORK ON I-495                                      | 3 | IM | \$ 10,149,888 | \$ 9,134,899  | \$ 1,014,989 |                                 |
| IM Subtotal ► |                                                                                                  |   |    | \$ 22,625,792 | \$ 20,363,213 | \$ 2,262,579 | ◄ 90% Federal + 10% Non-Federal |

### ► NHSPP - National Highway System Preservation Program

|                |                        |  |  |      |      |      |                                 |
|----------------|------------------------|--|--|------|------|------|---------------------------------|
|                | No Projects Programmed |  |  | \$ - | \$ - | \$ - |                                 |
| NHS Subtotal ► |                        |  |  | \$ - | \$ - | \$ - | ◄ 80% Federal + 20% Non-Federal |

### ► SRTS - Safe Routes to School Program

|                 |                        |  |  |      |      |      |                |
|-----------------|------------------------|--|--|------|------|------|----------------|
|                 | No Projects Programmed |  |  | \$ - | \$ - | \$ - |                |
| SRTS Subtotal ► |                        |  |  | \$ - | \$ - | \$ - | ◄ 100% Federal |

### ► Statewide Infrastructure Program

|                                     |                                                                                                       |   |                                        |              |              |            |                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------|---|----------------------------------------|--------------|--------------|------------|---------------------------------|
| 603917                              | STONEHAM- WOBURN- LIGHTING UPGRADES ON I-<br>93                                                       | 4 | Statewide<br>Infrastructure<br>Program | \$ 3,600,000 | \$ 2,880,000 | \$ 720,000 |                                 |
| 605733                              | BOSTON- HIGHWAY LIGHTING SYSTEM<br>REPLACEMENT ON I-93, FROM SOUTHAMPTON<br>STREET TO NEPONSET AVENUE | 6 | Statewide<br>Infrastructure<br>Program | \$ 1,350,000 | \$ 1,080,000 | \$ 270,000 |                                 |
| Statewide Infrastructure Subtotal ► |                                                                                                       |   |                                        | \$ 4,950,000 | \$ 3,960,000 | \$ 990,000 | ◄ 80% Federal + 20% Non-Federal |

### ► Statewide CMAQ - Statewide Congestion Mitigation and Air Quality Program

|                           |                                                                                                              |   |      |              |              |              |                                 |
|---------------------------|--------------------------------------------------------------------------------------------------------------|---|------|--------------|--------------|--------------|---------------------------------|
| 601579                    | WAYLAND- SIGNAL & INTERSECTION<br>IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND<br>ROUTE 30 (COMMONWEALTH ROAD) | 3 | CMAQ | \$ 2,053,972 | \$ 1,643,178 | \$ 410,794   |                                 |
| 602165                    | STONEHAM- SIGNAL & INTERSECTION<br>IMPROVEMENTS AT ROUTE 28/NORTH STREET                                     | 4 | CMAQ | \$ 3,519,779 | \$ 2,815,823 | \$ 703,956   |                                 |
| 602462                    | HOLLISTON- SIGNAL INSTALLATION AT ROUTE<br>16/126 AND OAK STREET                                             | 3 | CMAQ | \$ 1,120,000 | \$ 896,000   | \$ 224,000   |                                 |
| Statewide CMAQ Subtotal ► |                                                                                                              |   |      | \$ 6,693,751 | \$ 5,355,001 | \$ 1,338,750 | ◄ 80% Federal + 20% Non-Federal |

# 2016 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

## ► Statewide ITS - Statewide Intelligent Transportation Systems Program

|                          |                                                                                              |   |               |              |              |            |                                 |
|--------------------------|----------------------------------------------------------------------------------------------|---|---------------|--------------|--------------|------------|---------------------------------|
| 606930                   | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE TOW TRUCK SERVICES                               | 6 | Statewide ITS | \$ 350,000   | \$ 280,000   | \$ 70,000  |                                 |
| 606931                   | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE BARRIER TRANSFER VEHICLE (BTV) OPERATOR CONTRACT | 6 | Statewide ITS | \$ 800,000   | \$ 640,000   | \$ 160,000 |                                 |
| 606932                   | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE OPERATING EXPENSES                               | 6 | Statewide ITS | \$ 200,000   | \$ 160,000   | \$ 40,000  |                                 |
| Statewide ITS Subtotal ► |                                                                                              |   |               | \$ 1,350,000 | \$ 1,080,000 | \$ 270,000 | ◄ 80% Federal + 20% Non-Federal |

## ► Other

|                  |                                    |     |       |                |      |      |                                          |
|------------------|------------------------------------|-----|-------|----------------|------|------|------------------------------------------|
| N/A              | ACCELERATED BRIDGE PROGRAM- BRIDGE | N/A | Other | \$ 150,000,000 | \$ - | \$ - | Year 2 of 8 of GANS payments for ABP     |
| Other Subtotal ► |                                    |     |       | \$ 150,000,000 | \$ - | \$ - | ◄ Funding Split Varies by Funding Source |

## ► Section 2A / Non-Federal Projects

|                                 |                                                                                      |     |       |                |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|--------------------------------------------------------------------------------------|-----|-------|----------------|--|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N/A                             | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A | Other | \$ 302,000,000 |  | \$ 202,000,000 | The Green Line Extension project is currently in the New Starts pipeline and the Commonwealth anticipates a decision in a Full Funding Grant Agreement in FFY 2015. The cash flows for the project, therefore, provide 100% bond funding for FFY 2013-14 and begin programming New Starts funding of \$100,000,000 in FFY 2015 and \$100,000,000 in FFY 2016. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded. |
| Non-Federal Projects Subtotal ► |                                                                                      |     |       | \$ 302,000,000 |  | \$ 202,000,000 | ◄ 100% Non-Federal                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## ► Section 2B / Non-Federal Bridge Projects

|                                        |                        |  |  |      |  |      |                    |
|----------------------------------------|------------------------|--|--|------|--|------|--------------------|
|                                        | No Projects Programmed |  |  | \$ - |  | \$ - |                    |
| Non-Federal Bridge Projects Subtotal ► |                        |  |  | \$ - |  | \$ - | ◄ 100% Non-Federal |

# 2016 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| MassDOT<br>Project ID<br>▼ | MassDOT<br>Project Description ▼ | MassDOT<br>District ▼ | Funding<br>Source ▼ | Total<br>Programmed<br>Funds ▼ | Federal<br>Funds ▼ | Non-Federal<br>Funds ▼ | Additional<br>Information ▼ |
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|----------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

# 2016 Boston MPO TIP Summary - Highway

|                     | TIP Section 1:<br>▼ | TIP Section 2:<br>▼ | Total of All<br>Projects ▼ |                                        |
|---------------------|---------------------|---------------------|----------------------------|----------------------------------------|
| Total ►             | \$ 139,726,433      | \$ -                | \$ 139,726,433             | ◄ Total Spending in Region             |
| Federal Funds ►     | \$ 114,043,726      |                     | \$ 114,043,726             | ◄ Total Federal Spending in Region     |
| Non-Federal Funds ► | \$ 25,682,707       | \$ -                | \$ 25,682,707              | ◄ 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>

# 2016 Boston MPO Transportation Improvement Program

Amendment Three to the FFYs 2013-2016 TIP

| Regional Transit Authority | Project Description ▼ | Federal Funds Source ▼ | Federal Amount ▼ | State Funds Source ▼ | State Amount ▼ | RTA Funds ▼ | Total Cost ▼ | Carryover and Year ▼ | Additional Information ▼ |
|----------------------------|-----------------------|------------------------|------------------|----------------------|----------------|-------------|--------------|----------------------|--------------------------|
|----------------------------|-----------------------|------------------------|------------------|----------------------|----------------|-------------|--------------|----------------------|--------------------------|

## ► Section 3 / Transit Operating - Section 5307

|                                  |                                           |      |                       |  |                   |                      |                       |  |  |
|----------------------------------|-------------------------------------------|------|-----------------------|--|-------------------|----------------------|-----------------------|--|--|
| <b>MBTA</b>                      | REVENUE VEHICLES (OTHER VEHICLE PROGRAMS) | 5307 | \$ 60,000,000         |  |                   | \$ 15,000,000        | \$ 75,000,000         |  |  |
| <b>MBTA</b>                      | SYSTEMS UPGRADES                          | 5307 | \$ 11,012,172         |  |                   | \$ 2,753,043         | \$ 13,765,215         |  |  |
| <b>MBTA</b>                      | TRACK/RIGHT-OF-WAY                        | 5307 | \$ 25,000,000         |  |                   | \$ 6,250,000         | \$ 31,250,000         |  |  |
| <b>MBTA</b>                      | FACILITIES (YARDS, SHOPS, PARKING, ETC.)  | 5307 | \$ 25,000,000         |  |                   | \$ 6,250,000         | \$ 31,250,000         |  |  |
| <b>MBTA</b>                      | PREVENTATIVE MAINTENANCE                  | 5307 | \$ 12,000,000         |  |                   | \$ 3,000,000         | \$ 15,000,000         |  |  |
| <b>CATA</b>                      | CAPE ANN TRANSPORTATION AUTHORITY         | 5307 | \$ 173,000            |  | \$ 301,000        |                      | \$ 474,000            |  |  |
|                                  | Preventative Maintenance                  | 5307 | \$ 38,000             |  | \$ 95,000         |                      | \$ 133,000            |  |  |
|                                  | 29' Bus Rolling Stock (2)                 | 5307 | \$ 135,000            |  | \$ 95,000         |                      | \$ 230,000            |  |  |
|                                  | Security Equipment                        | 5307 | \$ -                  |  | \$ 111,000        |                      | \$ 111,000            |  |  |
| <b>MWRTA</b>                     | METROWEST REGIONAL TRANSIT AUTHORITY      | 5307 | \$ 1,668,698          |  | \$ 417,175        |                      | \$ 2,085,873          |  |  |
|                                  | ADA Paratransit                           | 5307 | \$ 1,300,000          |  | \$ 325,000        |                      | \$ 1,625,000          |  |  |
|                                  | Equipment and Facilities                  | 5307 | \$ 368,698            |  | \$ 92,175         |                      | \$ 460,873            |  |  |
| <b>Transit Operating Total ►</b> |                                           |      | <b>\$ 134,853,870</b> |  | <b>\$ 718,175</b> | <b>\$ 33,253,043</b> | <b>\$ 168,825,088</b> |  |  |

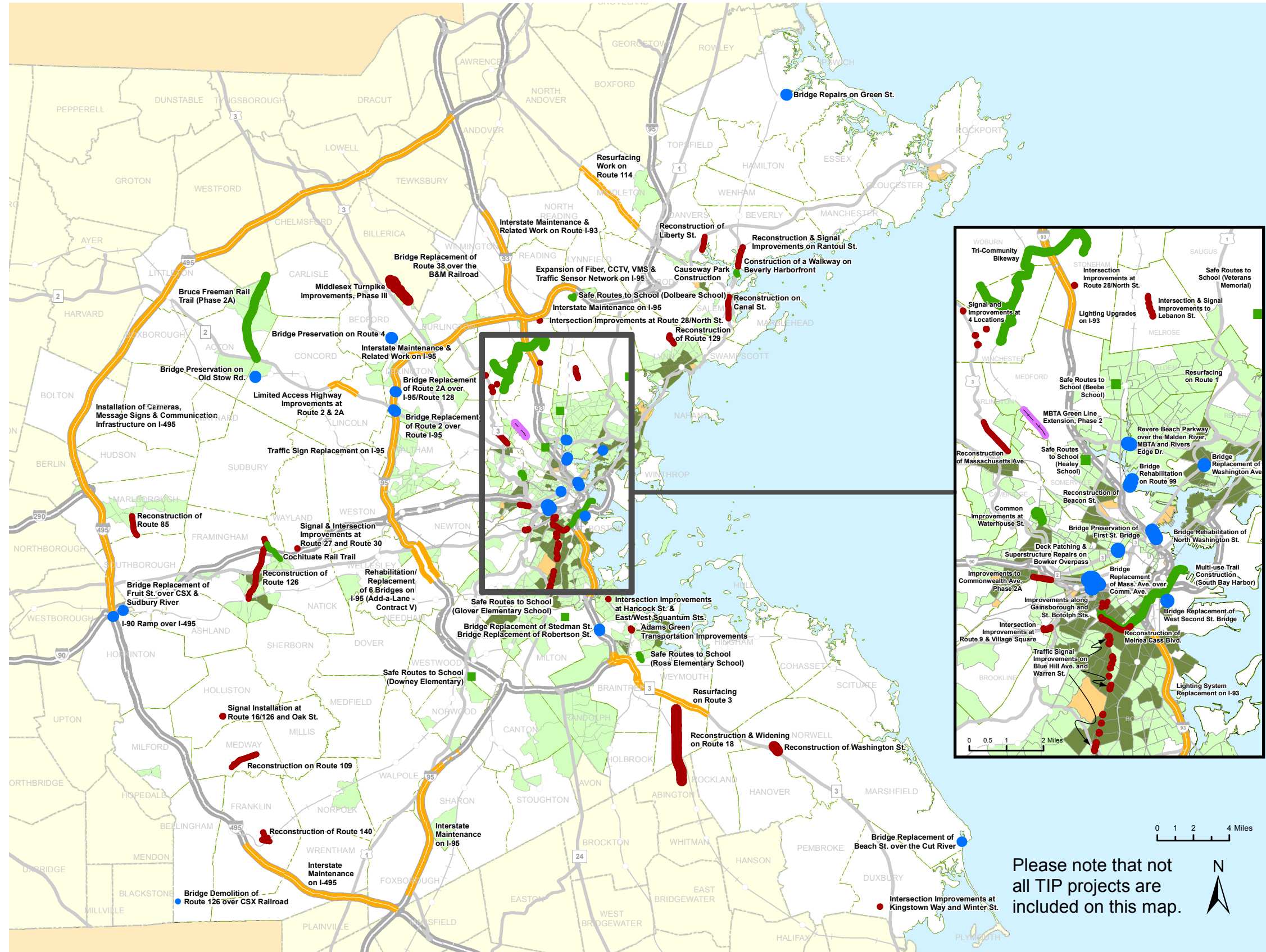
## ► Section 4 / Transit Capital - Section 5309

|                                |                                                                |      |                      |  |             |                      |                       |  |  |
|--------------------------------|----------------------------------------------------------------|------|----------------------|--|-------------|----------------------|-----------------------|--|--|
| <b>MBTA</b>                    | REVENUE VEHICLES- RED AND ORANGE LINE- NEW VEHICLE PROCUREMENT | 5309 | \$ 70,000,000        |  |             | \$ 17,500,000        | \$ 87,500,000         |  |  |
| <b>MBTA</b>                    | SYSTEM UPGRADES                                                | 5309 | \$ 23,981,902        |  |             | \$ 5,995,476         | \$ 29,977,378         |  |  |
| <b>Transit Capital Total ►</b> |                                                                |      | <b>\$ 93,981,902</b> |  | <b>\$ -</b> | <b>\$ 23,495,476</b> | <b>\$ 117,477,378</b> |  |  |

# 2016 Boston MPO TIP Summary - Transit

TIP Section 3: ▼ TIP Section 4: Total of All Projects ▼

|                |               |                |                                        |
|----------------|---------------|----------------|----------------------------------------|
| \$ 168,825,088 | \$117,477,378 | \$ 286,302,466 | ◀ Total Spending in Region             |
| \$ 134,853,870 | \$ 93,981,902 | \$ 228,835,772 | ◀ Total Federal Spending in Region     |
| \$ 33,971,218  | \$ 23,495,476 | \$ 57,466,694  | ◀ Total Non-Federal Spending in Region |



## FFYs 2013-16 Transportation Improvement Program Projects Programmed with Highway Funding, and Environmental Justice Zones

A TAZ is a transportation analysis zone, the unit used in modeling travel behavior.

The Boston Region MPO defines minority TAZs as having a minority population exceeding the Boston Region MPO average of 27.8 percent, low-income TAZs as having a median household income less than or equal to 60 percent of the region's median income of \$70,829, or \$42,497, and environmental justice TAZs as those that are minority and/or low income.

- Project Category\***
- Major highway
  - Arterial and intersection
  - Bridge
  - Bicycle and pedestrian
  - MBTA transit
- TAZ Environmental Justice Status**
- Not minority or low-income
  - Minority
  - Low-income
  - Both low-income and minority

\* Projects that add capacity or expand the system are indicated by a thicker line.



December 2012