

2016 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1A / Federal Aid Target Projects

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

► HSIP - Highway Safety Improvement Program

| | | | | | | | | |
|-----------------|--------|--|---|------|--------------|--------------|------------|--|
| | 607409 | LEXINGTON- RECONSTRUCTION ON MASSACHUSETTS AVENUE, FROM MARRETT ROAD TO PLEASANT STREET | 4 | HSIP | \$ 2,600,000 | \$ 2,340,000 | \$ 260,000 | TAP+HSIP Total Cost = \$5,200,000 |
| | 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | HSIP | \$ 1,000,000 | \$ 900,000 | \$ 100,000 | AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = \$60,053,518 |
| HSIP Subtotal ► | | | | | \$ 3,600,000 | \$ 3,240,000 | \$ 360,000 | ◀ 90% Federal + 10% Non-Federal |

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

| | | | | | | | | |
|-----------------|--------|---|-----|------|---------------|---------------|--------------|---|
| | 605721 | WEYMOUTH- INTERSECTION IMPROVEMENTS @ MIDDLE STREET, LIBBEY INDUSTRIAL PARKWAY AND TARA DRIVE | 6 | CMAQ | \$ 937,326 | \$ 749,861 | \$ 187,465 | |
| | 606117 | BOSTON - TRAFFIC SIGNAL IMPROVEMENTS AT 10 LOCATIONS | 6 | CMAQ | \$ 1,000,000 | \$ 800,000 | \$ 200,000 | CMAQ+STP Total Cost = \$4,654,920 |
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | CMAQ | \$ 8,100,000 | \$ 6,480,000 | \$ 1,620,000 | Yr 1 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 604652 | STONEHAM- WINCHESTER- WOBURN- TRI-COMMUNITY BIKEWAY INCLUDING NEW BRIDGE, W-43-029, OVER THE ABERJONA RIVER | 4 | CMAQ | \$ 5,429,110 | \$ 4,343,288 | \$ 1,085,822 | |
| CMAQ Subtotal ► | | | | | \$ 15,466,436 | \$ 12,373,149 | \$ 3,093,287 | ◀ 80% Federal + 20% Non-Federal |

► TAP - Transportation Alternatives Program

| | | | | | | | | |
|----------------|--------|---|---|-----|--------------|--------------|------------|-----------------------------------|
| | 607409 | LEXINGTON- RECONSTRUCTION ON MASSACHUSETTS AVENUE, FROM MARRETT ROAD TO PLEASANT STREET | 4 | TAP | \$ 2,600,000 | \$ 2,080,000 | \$ 520,000 | TAP+HSIP Total Cost = \$5,200,000 |
| TAP Subtotal ► | | | | | \$ 2,600,000 | \$ 2,080,000 | \$ 520,000 | ◀ 80% Federal + 20% Non-Federal |

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|--------------------------------------|-------------------------|--|-----------------------|---------------------|--------------------------------|--------------------|------------------------|---|
| ► Non-CMAQ/HSIP/TAP (Other) | | | | | | | | |
| | 29492 | BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III) | 4 | STP | \$ 21,691,442 | \$ 17,353,154 | \$ 4,338,288 | AC Yr 1 of 2; STP+Northern Middlesex Council of Governments contribution (\$1,000,000) Total Cost = \$29,296,348 |
| | 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP | \$ 3,800,000 | \$ 3,040,000 | \$ 760,000 | AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = \$60,053,518 |
| | 606117 | BOSTON - TRAFFIC SIGNAL IMPROVEMENTS AT 10 LOCATIONS | 6 | STP | \$ 3,654,920 | \$ 2,923,936 | \$ 730,984 | CMAQ+STP Total Cost = \$4,654,920 |
| | 603711 | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHPP | \$ 24,197,023 | \$ 19,357,618 | \$ 4,839,405 | AC Yr 3 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$50,725,206 programmed within FFYs 2016-20 TIP) |
| Non-CMAQ/HSIP/TAP (Other) Subtotal ► | | | | | \$ 53,343,385 | \$ 42,674,708 | \$ 10,668,677 | ◀ 80% Federal + 20% Non-Federal |

► Section 1A / Fiscal Constraint Analysis

| | | | | | |
|--|---------------|---------------|--------------------------|----------------|---|
| Total Federal Aid Target Funds Programmed ► | \$ 75,009,821 | \$ 75,009,821 | ◀ Total Target | \$ (0) | Funds Over Programmed |
| Total Non-CMAQ/HSIP/TAP (Other) Programmed ► | \$ 53,343,385 | \$ 52,188,453 | ◀ Max. Non-CMAQ/HSIP/TAP | \$ (1,154,932) | Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum |
| Total HSIP Programmed ► | \$ 3,600,000 | \$ 4,296,710 | ◀ Min. HSIP | \$ 696,710 | HSIP Minimum Not Met |
| Total CMAQ Programmed ► | \$ 15,466,436 | \$ 13,427,220 | ◀ Min. CMAQ | \$ (2,039,216) | CMAQ Minimum Met |
| Total TAP Programmed ► | \$ 2,600,000 | \$ 5,097,438 | ◀ Min. TAP | \$ 2,497,438 | TAP Minimum Not Met |

Remaining HSIP, CMAQ, and TAP Funds \$ 1,154,932

► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

| | | | | | |
|---|------------------------|------|------|------|---------------------------------|
| | No Projects Programmed | \$ - | \$ - | \$ - | |
| Statewide Bridge Maintenance Program Subtotal ► | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

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|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► On System

| | | | | | | | | |
|---------------------------|--------|--|---|------|---------------|---------------|---------------|---|
| | 603008 | WOBURN- BRIDGE REPLACEMENT, W-43-003, SALEM STREET OVER MBTA | 4 | NHPP | \$ 7,089,200 | \$ 5,671,360 | \$ 1,417,840 | |
| | 607685 | BRAINTREE- BRIDGE REHABILITATION, B-21-060 AND B-21-061, ST 3 (SB) AND ST 3 (nb) OVER RAMP C (QUINCY ADAMS) | 6 | NHPP | \$ 11,908,000 | \$ 9,526,400 | \$ 2,381,600 | |
| | 606553 | HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET) | 6 | NHPP | \$ 29,000,000 | \$ 23,200,000 | \$ 5,800,000 | AC Yr 1 of 2: Total Cost = \$41,955,600 |
| | 600867 | BOSTON- BRIDGE REHABILITATION, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE | 6 | NHPP | \$ 9,074,000 | \$ 7,259,200 | \$ 1,814,800 | AC Yr 1 of 2: Total Cost = \$16,183,795 |
| AMENDMENT: Remove Project | 600703 | LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128) | 4 | NHPP | \$ - | \$ - | \$ - | removed from TIP; AC funding converted in FFY 2015; was \$5,108,000 |
| On System Subtotal ► | | | | | \$ 57,071,200 | \$ 45,656,960 | \$ 11,414,240 | ◀ 80% Federal + 20% Non-Federal |

► Off-System

| | | | | | | | | |
|-----------------------|--------|--|---|------------|--------------|--------------|------------|---------------------------------|
| | 607345 | COHASSET- SUPERSTRUCTURE REPLACEMENT & SUBSTRUCTURE REHABILITATION, C-17-002, ATLANTIC AVENUE OVER LITTLE HARBOR INLET | 5 | STP-BR-OFF | \$ 4,336,600 | \$ 3,469,280 | \$ 867,320 | |
| Off-System Subtotal ► | | | | | \$ 4,336,600 | \$ 3,469,280 | \$ 867,320 | ◀ 80% Federal + 20% Non-Federal |

► Statewide Bridge Inspection Program

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Bridge Inspection Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

| | | | | | | | | |
|------------------------------|--------|--|---|------------|--------------|--------------|--------------|--|
| | 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | HPP (1998) | \$ 8,600,000 | \$ 6,880,000 | \$ 1,720,000 | AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = \$60,053,518 |
| Other Federal Aid Subtotal ► | | | | | \$ 8,600,000 | \$ 6,880,000 | \$ 1,720,000 | ◀ Funding Split Varies by Funding Source |

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|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

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

► Statewide Infrastructure Program

| | | | | | | | | |
|---|--------|---|---|-----|---------------|---------------|--------------|---|
| | 603917 | MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II) | 4 | STP | \$ 15,000,000 | \$ 12,000,000 | \$ 3,000,000 | AC Year 1 of 2; Total Cost = \$17,500,000 |
| | 605733 | DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON | 6 | STP | \$ 2,500,000 | \$ 2,000,000 | \$ 500,000 | AC Year 1 of 3; Total Cost = \$8,250,000 |
| Statewide Infrastructure Program Subtotal ► | | | | | \$ 17,500,000 | \$ 14,000,000 | \$ 3,500,000 | ◀ 80% Federal + 20% Non-Federal |

► Statewide HSIP Program

| | | | | | | | | |
|-----------------------------------|--------|--|---|------|--------------|------------|------------|---|
| AMENDMENT: Increase Cost | 607755 | WEYMOUTH- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 53 (WASHINGTON STREET) AT MUTTON LANE & PLEASANT STREET | 6 | HSIP | \$ 1,100,000 | \$ 990,000 | \$ 110,000 | cost increase of \$550,000; was \$550,000 |
| Statewide HSIP Program Subtotal ► | | | | | \$ 1,100,000 | \$ 990,000 | \$ 110,000 | ◀ 90% Federal + 10% Non-Federal |

► Statewide Safe Routes to Schools Program

| | | | | | | | | |
|---|--------|---|---|-----|--------------|--------------|------------|--|
| | 607997 | SAUGUS - SAFE ROUTES TO SCHOOL (VETERANS MEMORIAL) | 4 | TAP | \$ 662,612 | \$ 530,090 | \$ 132,522 | 80% Federal + 20% Non-Federal |
| | 607998 | EVERETT - SAFE ROUTES TO SCHOOL (MADELAINE ENGLISH) | 4 | TAP | \$ 602,608 | \$ 482,086 | \$ 120,522 | 80% Federal + 20% Non-Federal |
| | 607999 | REVERE - SAFE ROUTES TO SCHOOL (GARFIELD ELEMENTARY & MIDDLE SCHOOL) | 4 | TAP | \$ 874,113 | \$ 699,290 | \$ 174,823 | 80% Federal + 20% Non-Federal |
| | 608000 | BEDFORD - SAFE ROUTES TO SCHOOL (JOHN GLENN MIDDLE) | 4 | TAP | \$ 780,000 | \$ 624,000 | \$ 156,000 | 80% Federal + 20% Non-Federal |
| Statewide Safe Routes to Schools Program Subtotal ► | | | | | \$ 2,256,721 | \$ 1,805,377 | \$ 451,344 | ◀ Funding Split Varies by Funding Source |

► Statewide CMAQ

| | | | | | | | | |
|------------------|--------|---|---|------|---------------|--------------|--------------|---------------------------------|
| | 601579 | WAYLAND- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND ROUTE 30 (COMMONWEALTH ROAD) | 3 | CMAQ | \$ 2,425,710 | \$ 1,940,568 | \$ 485,142 | |
| | 605189 | CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION, FROM COMMONWEALTH AVENUE TO POWDER MILL ROAD, INCLUDES 2 RAILROAD BRIDGES & 1 CULVERT (PHASE II-C) | 4 | CMAQ | \$ 5,532,584 | \$ 4,426,067 | \$ 1,106,517 | |
| | 606316 | BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET | 6 | CMAQ | \$ 2,846,700 | \$ 2,277,360 | \$ 569,340 | |
| Statewide CMAQ ► | | | | | \$ 10,804,994 | \$ 8,643,995 | \$ 2,160,999 | ◀ 80% Federal + 20% Non-Federal |

► Statewide Transportation Enhancements

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Transportation Enhancements Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

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|---|-------------------------|---|-----------------------|---------------------|--------------------------------|--------------------|------------------------|---|
| ► Statewide ITS | | | | | | | | |
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide ITS Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide Interstate Maintenance Program | | | | | | | | |
| AMENDMENT:Remove Project | 606176 | FOXBOROUGH-PLAINVILLE-WRENTHAM- INTERSTATE MAINTENANCE AND RELATED WORK ON I-495 | 5 | NHPP | \$ - | \$ - | \$ - | remove from Boston Region TIP; IM+Stormwater Total Cost = \$6,118,000; IM was \$1,604,800 |
| Statewide Interstate Maintenance Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 90% Federal + 10% Non-Federal |
| ► Statewide NHS Preservation Program+ | | | | | | | | |
| | 608180 | WELLESLEY- RESURFACING ON ROUTE 9, FROM LIMIT OF ADD-A-LANE TO EAST OF OVERBROOK INTERSECTION | 6 | NHPP | \$ 7,327,800 | \$ 5,862,240 | \$ 1,465,560 | |
| | 607488 | SOUTHBOROUGH- RESURFACING & RELATED WORK ON ROUTE 9, FROM THE FRAMINGHAM T.L TO WHITE BAGLEY ROAD | 3 | NHPP | \$ 3,791,340 | \$ 3,033,072 | \$ 758,268 | |
| Statewide NHS Preservation Program Subtotal ► | | | | | \$ 11,119,140 | \$ 8,895,312 | \$ 2,223,828 | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide RR Grade Crossings | | | | | | | | |
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide RR Grade Crossings Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide Stormwater Retrofits | | | | | | | | |
| | 608059 | SALEM - STORMWATER IMPROVEMENTS ALONG ROUTE 107 (SALEM BYPASS ROAD) | 4 | STP-TE | \$ 125,000 | \$ 100,000 | \$ 25,000 | |
| AMENDMENT:Remove Project | 608134 | HINGHAM - BROCKTON - STORMWATER IMPROVEMENTS ALONG ROUTE 3A/ROUTE 28 | 5 | STP-TE | \$ - | \$ - | \$ - | remove from Boston Region TIP; improvements no longer included in Hingham; was \$479,100 |
| AMENDMENT:Remove Project | 606176 | FOXBOROUGH-PLAINVILLE-WRENTHAM- INTERSTATE MAINTENANCE AND RELATED WORK ON I-495 | 5 | STP-TE | \$ - | \$ - | \$ - | remove from Boston Region TIP; IM+Stormwater Total Cost = \$6,118,000; Stormwater was \$1,740,000 |
| Statewide Stormwater Retrofits Subtotal ► | | | | | \$ 125,000 | \$ 100,000 | \$ 25,000 | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide ADA Implementation Plan | | | | | | | | |
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide ADA Implementation Plan Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Other Statewide Items | | | | | | | | |
| | | ABP GANS Repayment | | | \$ - | - | - | |
| | | Award Adjustments, Change Orders, Project Value Changes, Etc. | | | \$ - | - | - | |
| | | DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs | | | \$ - | - | - | |
| | | Planning | | | \$ - | - | - | |
| | | Statewide Design and Right of Way | | | \$ - | - | - | |
| | | Statewide Recreational Trails | | | \$ - | - | - | |
| Other Statewide Items Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

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|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 2A / Non-Federal Projects

► Non Federal Aid

| | | | | | | | | |
|----------------------------|------|-------------------------------------|-----|-----|---------------|--|---------------|---|
| | 1568 | FAIRMOUNT IMPROVEMENTS | N/A | NFA | \$ 447,000 | | \$ 447,000 | Lists cash flows (based on state fiscal year) |
| | 1572 | RED LINE-BLUE LINE CONNECTOR DESIGN | N/A | NFA | \$ 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 Aid Subtotal ► | | | | | \$ 29,447,000 | | \$ 29,447,000 | ◀100% Non-Federal |

► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

| | | | | | | | | |
|---|--|------------------------|--|-----|------|--|------|-------------------|
| | | No Projects Programmed | | NFA | \$ - | | \$ - | |
| Section 2B / Non-Federal Bridge Projects Subtotal ► | | | | | \$ - | | \$ - | ◀100% Non-Federal |

2016 Boston Region MPO TIP Summary

| | TIP Section 1: ▼ | TIP Section 2: ▼ | Total of All Projects ▼ | |
|---------------------|---------------------|---------------------|----------------------------|--|
| Total ► | \$ 187,923,476 | \$ 29,447,000 | \$ 217,370,476 | ◀ Total Spending in Region |
| Federal Funds ► | \$ 150,808,781 | | \$ 150,808,781 | ◀ Total Federal Spending in Region |
| Non-Federal Funds ► | \$ 37,114,695 | \$ 29,447,000 | \$ 66,561,695 | ◀ 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 Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|---------------|------------------------------|-----------------------|--------------------------------|-----------------|---------------------|-------|-------|-------|-------|---------------|--------------|--------------------------|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |

Indicates a change in project cost
 Indicates removed from TIP (cost not reflected in total)
 Indicates a project moved in from another TIP element
 Indicates a project moved out to another TIP element (cost not reflected in total)
 Indicates a new addition to the TIP (action taken as denoted)
 Indicates a new funding category

| | | | | | | | | | | | | |
|------------------------|-------|--|-----|-----------------------|-------------------|-------------|-------------|-------------|-------------------|-----------------------|-----------------------|---|
| 5307 | MBTA | PREVENTIVE MAINTENANCE | | \$ 12,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 3,000,000 | \$ 15,000,000 | |
| 5307 | MBTA | Systems Upgrades | | \$ 58,685,516 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 14,671,379 | \$ 73,356,895 | |
| 5307 | MWRTA | ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES | | \$ 283,056 | \$ 70,765 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 353,821 | |
| 5307 | MWRTA | NON FIXED ROUTE ADA PARA SERV | | \$ 1,300,000 | \$ - | \$ - | \$ - | \$ - | \$ 325,000 | \$ - | \$ 1,625,000 | |
| 5307 | MWRTA | TERMINAL, INTERMODAL (TRANSIT) | | \$ 150,000 | \$ 37,500 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 187,500 | |
| 5307 | MWRTA | Mobility Management | | \$ 25,000 | \$ 6,250 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 31,250 | |
| 5307 Subtotal ▶ | | | | \$ 72,443,572 | \$ 114,515 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 17,671,379 | \$ 90,554,466 | |
| 5337 | MBTA | Bridge & Tunnel Program | | \$ 85,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 21,250,000 | \$ 106,250,000 | |
| 5337 | MBTA | Stations - T-GAPS | | \$ 16,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,000,000 | \$ 20,000,000 | |
| 5337 | MBTA | Systems Upgrades | | \$ 20,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 5,047,637 | \$ 25,238,183 | |
| 5337 Subtotal ▶ | | | | \$ 121,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 30,297,637 | \$ 151,488,183 | |
| 5339 | MBTA | Systems Upgrades | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5339 Subtotal ▶ | | | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5310 | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 5310 Subtotal ▶ | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 5309 | MBTA | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 217,838,000 | \$ 367,838,000 | The Green Line Extension project cash flows began programming New Starts funding in FFY 2015. \$1,270,262,000 of the \$1,992,243,000 project cost is programmed in FFYs 2016-19, and the remaining funding will be included in future years of the TIP. |
| 5309 Subtotal ▶ | | | | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 217,838,000 | \$ 367,838,000 | |

2016 Boston Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|--------------------------|------------------------------|---|--------------------------------|-----------------|---------------------|-------|-------|-------|------------|----------------|----------------|--------------------------|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |
| SoGR | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Livability | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| TIGER | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Grants Subtotal ▶ | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Other | CATA | BUY REPLACEMENT 30-FT BUS (4) | N/A | \$ - | \$ 800,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 800,000 | |
| Other | CATA | SHOP EQ/SOFTWARE MAINT - Match for FY15 | N/A | \$ - | \$ 10,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 10,000 | |
| Other | CATA | FACILITY - Match for FY15 | N/A | \$ - | \$ 15,600 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 15,600 | |
| Other | CATA | SUPPORT EQUIP - Match for FY15 | N/A | \$ - | \$ 4,176 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,176 | |
| Other | MWRTA | REHAB/RENOVATE - BUS TERMINAL | N/A | \$ - | \$ 970,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 970,000 | |
| Other Subtotal ▶ | | | | \$ - | \$ 1,799,776 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,799,776 | |
| Total ▶ | | | | \$ 348,921,145 | \$ 1,914,291 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 267,128,773 | \$ 618,289,209 | |

Fiscal Constraint Analysis

| Federal Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ | | State Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ | |
|--------------------------|----------------|----------------|---------------|-----------|------------------------|--------------|--------------|--------------|-----------|
| FFY 16 / 5307 | \$ 72,443,572 | \$ 136,927,264 | \$ 64,483,692 | Available | RTACAP | \$ 1,914,291 | \$ 1,999,792 | \$ 85,501 | Available |
| FFY 16 / 5337 | \$ 121,190,546 | \$ 121,190,546 | \$ - | Available | MAP | \$ - | \$ - | \$ - | Available |
| FFY 16 / 5339 | \$ 5,287,027 | \$ 5,287,027 | \$ - | Available | ITCCAP | \$ - | \$ - | \$ - | Available |
| FFY 16 / 5310 | \$ - | \$ - | \$ - | Available | SCA | \$ 325,000 | \$ 3,234,526 | \$ 2,909,526 | Available |
| FFY 16 / 5309 | \$ 150,000,000 | \$ 150,000,000 | \$ - | Available | TDC | \$ - | \$ - | \$ - | Available |

2017 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1A / Federal Aid Target Projects

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

► HSIP - Highway Safety Improvement Program

| | | | | | | | | |
|-----------------|--------|---|---|------|--------------|--------------|------------|--|
| | 604810 | MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET) | 3 | HSIP | \$ 3,397,727 | \$ 3,057,954 | \$ 339,773 | HSIP+CMAQ+STP Total Cost = \$5,613,636 |
| | 604935 | WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT) | 4 | HSIP | \$ 3,564,629 | \$ 3,208,166 | \$ 356,463 | STP+HSIP Total Cost = \$4,752,838 |
| | 607309 | HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET | 5 | HSIP | \$ 798,857 | \$ 718,972 | \$ 79,886 | HSIP+CMAQ Total Cost = \$3,994,287 |
| HSIP Subtotal ► | | | | | \$ 7,761,213 | \$ 6,985,092 | \$ 776,121 | ◀ 90% Federal + 10% Non-Federal |

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

| | | | | | | | | |
|-----------------|--------|--|-----|------|---------------|---------------|--------------|---|
| | 604810 | MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET) | 3 | CMAQ | \$ 2,000,000 | \$ 1,600,000 | \$ 400,000 | HSIP+CMAQ+STP Total Cost = \$5,613,636 |
| | 604989 | SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET | 3 | CMAQ | \$ 1,038,370 | \$ 830,696 | \$ 207,674 | STP+CMAQ+TAP Total Cost = \$6,862,752 |
| | 605110 | BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST) | 6 | CMAQ | \$ 471,811 | \$ 377,449 | \$ 94,362 | STP+TAP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$5,818,649 |
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | CMAQ | \$ 13,427,220 | \$ 10,741,776 | \$ 2,685,444 | Yr 2 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| CMAQ Subtotal ► | | | | | \$ 16,937,401 | \$ 13,549,921 | \$ 3,387,480 | ◀ 80% Federal + 20% Non-Federal |

► TAP - Transportation Alternatives Program

| | | | | | | | | |
|----------------|--------|---|---|-----|--------------|--------------|--------------|---|
| | 604989 | SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET | 3 | TAP | \$ 2,824,382 | \$ 2,259,506 | \$ 564,876 | STP+CMAQ+TAP Total Cost = \$6,862,752 |
| | 605110 | BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST) | 6 | TAP | \$ 2,346,838 | \$ 1,877,470 | \$ 469,368 | STP+TAP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$5,818,649 |
| TAP Subtotal ► | | | | | \$ 5,171,220 | \$ 4,136,976 | \$ 1,034,244 | ◀ 80% Federal + 20% Non-Federal |

2017 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Non-CMAQ/HSIP/TAP (Other)

| | | | | | | | | |
|--|--------|--|-----|------|---------------|---------------|--------------|---|
| | 603711 | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHPP | \$ 13,360,000 | \$ 10,688,000 | \$ 2,672,000 | AC Yr 4 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$50,725,206 programmed within FFYs 2016-20 TIP) |
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | STP | \$ 16,472,780 | \$ 13,178,224 | \$ 3,294,556 | Yr 2 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 29492 | BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III) | 4 | STP | \$ 6,604,906 | \$ 5,283,925 | \$ 1,320,981 | AC Yr 2 of 2; STP+Northern Middlesex Council of Governments contribution (\$1,000,000) Total Cost = \$29,296,348 |
| | 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP | \$ 12,850,000 | \$ 10,280,000 | \$ 2,570,000 | AC Yr 2 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = \$60,053,518 |
| | 607309 | HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET | 5 | STP | \$ 3,195,430 | \$ 2,556,344 | \$ 639,086 | HSIP+STP Total Cost = \$3,994,287 |
| | 605110 | BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST) | 6 | STP | \$ 2,000,000 | \$ 1,600,000 | \$ 400,000 | STP+TAP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$5,818,649 |
| | 604989 | SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK STREET | 3 | STP | \$ 3,000,000 | \$ 2,400,000 | \$ 600,000 | STP+CMAQ+TAP Total Cost = \$6,862,752 |
| | 604810 | MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET) | 3 | STP | \$ 215,909 | \$ 172,727 | \$ 43,182 | HSIP+CMAQ+STP Total Cost = \$5,613,636 |
| | 604935 | WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT) | 4 | STP | \$ 1,188,210 | \$ 950,568 | \$ 237,642 | STP+HSIP Total Cost = \$4,752,838 |

Non-CMAQ/HSIP/TAP (Other) Subtotal ► \$ 58,887,235 \$ 47,109,788 \$ 11,777,447 ◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

| | | | | | |
|--|---------------|---------------|--------------------------|----------------|-------------------------------------|
| Total Federal Aid Target Funds Programmed ► | \$ 88,757,069 | \$ 88,759,294 | ◀ Total Target | \$ 2,225 | Target Funds Available |
| Total Non-CMAQ/HSIP/TAP (Other) Programmed ► | \$ 58,887,235 | \$ 67,723,275 | ◀ Max. Non-CMAQ/HSIP/TAP | \$ 2,225 | Non-CMAQ/HSIP/TAP (Other) Available |
| Total HSIP Programmed ► | \$ 7,761,213 | \$ 4,296,710 | ◀ Min. HSIP | \$ (3,464,503) | HSIP Minimum Met |
| Total CMAQ Programmed ► | \$ 16,937,401 | \$ 13,427,220 | ◀ Min. CMAQ | \$ (3,510,181) | CMAQ Minimum Met |
| Total TAP Programmed ► | \$ 5,171,220 | \$ 3,312,089 | ◀ Min. TAP | \$ (1,859,131) | TAP Requirement Exceeded! |

HSIP, CMAQ, TAP Overprogrammed \$ (8,833,815)

2017 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

| | | | | | | | | |
|---|--------|--|---|------|------|------|------|-----------------------------------|
| AMENDMENT:Remove Project | 607507 | WAKEFIELD - BRIDGE DECK REPLACEMENT BRIDGE NO. W-01-021 (2MF), HOPKINS STREET OVER I-95 / ST 128 | 4 | NHPP | \$ - | \$ - | \$ - | removed from TIP; was \$2,469,936 |
| Statewide Bridge Maintenance Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► On System

| | | | | | | | | |
|---|--------|--|---|------|---------------|---------------|---------------|--|
| | 604173 | BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER | 6 | NHPP | \$ 12,984,000 | \$ 10,387,200 | \$ 2,596,800 | AC Yr 1 of 4; Total Cost = \$112,700,000 |
| | 607954 | DANVERS - BRIDGE REPLACEMENT, D-03-018, ROUTE 128 OVER WATERS RIVER | 4 | NHPP | \$ 10,513,973 | \$ 8,411,178 | \$ 2,102,795 | |
| | 606553 | HANOVER- NORWELL- SUPERSTRUCTURE REPLACEMENT, H-06-010, ST 3 OVER ST 123 (WEBSTER STREET) & N-24-003, ST 3 OVER ST 123 (HIGH STREET) | 6 | NHPP | \$ 12,955,600 | \$ 10,364,480 | \$ 2,591,120 | AC Yr 2 of 2; Total Cost = \$41,955,600 |
| AMENDMENT:Change Project Description | 600867 | BOSTON- BRIDGE REPLACEMENT- REHABILITATION , B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE | 6 | NHPP | \$ 7,109,795 | \$ 5,687,836 | \$ 1,421,959 | AC Yr 2 of 2; Total Cost = \$16,183,795 |
| | 604952 | LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18- 016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE) | 4 | NHPP | \$ 6,800,000 | \$ 5,440,000 | \$ 1,360,000 | AC Yr 1 of 4; Total Cost = \$45,000,000 |
| On System Subtotal ► | | | | | \$ 50,363,368 | \$ 40,290,694 | \$ 10,072,674 | ◀ 80% Federal + 20% Non-Federal |

► Off-System

| | | | | | | | | |
|-----------------------|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Off-System Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide Bridge Inspection Program

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Bridge Inspection Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

| | | | | | | | | |
|------------------------------|--------|--|---|------------|--------------|--------------|--------------|---|
| | 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | HPP (1998) | \$ 6,171,760 | \$ 4,937,408 | \$ 1,234,352 | AC Yr 2 of 4; STP+HSIP+TEA-21 Earmark (MA1236) Total Cost = \$60,053,518 |
| Other Federal Aid Subtotal ► | | | | | \$ 6,171,760 | \$ 4,937,408 | \$ 1,234,352 | ◀ Funding Split Varies by Funding Source |

2017 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

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

► Statewide Infrastructure Program

| | | | | | | | | |
|---|--------|---|---|-----|--------------|--------------|--------------|---|
| | 603917 | MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II) | 4 | STP | \$ 2,500,000 | \$ 2,000,000 | \$ 500,000 | AC Year 2 of 2; Total Cost = \$17,500,000 |
| | 605733 | DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON | 6 | STP | \$ 4,500,000 | \$ 3,600,000 | \$ 900,000 | AC Year 2 of 3; Total Cost = \$8,250,000 |
| Statewide Infrastructure Program Subtotal ► | | | | | \$ 7,000,000 | \$ 5,600,000 | \$ 1,400,000 | ◀ 80% Federal + 20% Non-Federal |

► Statewide HSIP Program

| | | | | | | | | |
|-----------------------------------|--------|--|---|------|------------|------------|-----------|---------------------------------|
| | 607754 | MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT GRANITE AVENUE & SQUANTUM STREET | 6 | HSIP | \$ 350,000 | \$ 315,000 | \$ 35,000 | |
| Statewide HSIP Program Subtotal ► | | | | | \$ 350,000 | \$ 315,000 | \$ 35,000 | ◀ 90% Federal + 10% Non-Federal |

► Statewide Safe Routes to Schools Program

| | | | | | | | | |
|---|--------|--|---|-----|--------------|--------------|------------|--|
| | 608003 | WEYMOUTH - SAFE ROUTES TO SCHOOL (PINGREE ELEMENTARY) | 6 | TAP | \$ 754,000 | \$ 603,200 | \$ 150,800 | |
| | 608004 | WATERTOWN - SAFE ROUTES TO SCHOOL (HOSMER ELEMENTARY) | 6 | TAP | \$ 903,500 | \$ 722,800 | \$ 180,700 | |
| Statewide Safe Routes to Schools Program Subtotal ► | | | | | \$ 1,657,500 | \$ 1,326,000 | \$ 331,500 | ◀ Funding Split Varies by Funding Source |

► Statewide CMAQ

| | | | | | | | | |
|------------------|--------|--|---|------|--------------|--------------|------------|---------------------------------|
| | 602165 | STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET | 4 | CMAQ | \$ 1,532,550 | \$ 1,226,040 | \$ 306,510 | |
| Statewide CMAQ ► | | | | | \$ 1,532,550 | \$ 1,226,040 | \$ 306,510 | ◀ 80% Federal + 20% Non-Federal |

► Statewide Transportation Enhancements

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Transportation Enhancements Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide ITS

| | | | | | | | | |
|--------------------------|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide ITS Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide Interstate Maintenance Program

| | | | | | | | | |
|---|--------|---|---|------|--------------|--------------|------------|--|
| AMENDMENT: Decrease Cost | 607481 | RANDOLPH- QUINCY- BRAINTREE- RESURFACING & RELATED WORK ON I-93 (SB) | 6 | NHPP | \$ 4,693,450 | \$ 4,224,105 | \$ 469,345 | cost decrease of \$7,443,558; NB work removed from project scope due to 2015 resurfacing; was \$12,137,008 |
| Statewide Interstate Maintenance Program Subtotal ► | | | | | \$ 4,693,450 | \$ 4,224,105 | \$ 469,345 | ◀ 90% Federal + 10% Non-Federal |

► Statewide NHS Preservation Program+

| | | | | | | | | |
|---|--------|--|---|------|--------------|--------------|--------------|---------------------------------|
| | 607477 | LYNNFIELD- PEABODY- RESURFACING & RELATED WORK ON ROUTE 1 | 4 | NHPP | \$ 7,721,542 | \$ 6,177,234 | \$ 1,544,308 | |
| Statewide NHS Preservation Program Subtotal ► | | | | | \$ 7,721,542 | \$ 6,177,234 | \$ 1,544,308 | ◀ 80% Federal + 20% Non-Federal |

2017 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|--|-------------------------|---|-----------------------|---------------------|--------------------------------|--------------------|------------------------|--|
| ► Statewide RR Grade Crossings | | | | | | | | |
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide RR Grade Crossings Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide Stormwater Retrofits | | | | | | | | |
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide Stormwater Retrofits Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide ADA Implementation Plan | | | | | | | | |
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide ADA Implementation Plan Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Other Statewide Items | | | | | | | | |
| | | ABP GANS Repayment | | | \$ - | - | - | |
| | | Award Adjustments, Change Orders, Project Value Changes, Etc. | | | \$ - | - | - | |
| | | DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs | | | \$ - | - | - | |
| | | Planning | | | \$ - | - | - | |
| | | Statewide Design and Right of Way | | | \$ - | - | - | |
| | | Statewide Recreational Trails | | | \$ - | - | - | |
| Other Statewide Items Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

► Section 2A / Non-Federal Projects

► Non Federal Aid

| | | | | | | | | |
|----------------------------|------|-------------------------------------|-----|-----|---------------|--|---------------|---|
| | 1568 | FAIRMOUNT IMPROVEMENTS | N/A | NFA | \$ 11,574,800 | | \$ 11,574,800 | Lists cash flows (based on state fiscal year) |
| | 1572 | RED LINE-BLUE LINE CONNECTOR DESIGN | N/A | NFA | \$ 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 Aid Subtotal ► | | | | | \$ 21,574,800 | | \$ 21,574,800 | ◀ 100% Non-Federal |

2017 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

| | | | | | | | | |
|---|--|------------------------|--|-----|------|--|------|-------------------|
| | | No Projects Programmed | | NFA | \$ - | | \$ - | |
| Section 2B / Non-Federal Bridge Projects Subtotal ► | | | | | \$ - | | \$ - | ◀100% Non-Federal |

2017 Boston Region MPO TIP Summary

| | TIP Section 1: ▼ | TIP Section 2: ▼ | Total of All Projects ▼ | |
|---------------------|---------------------|---------------------|----------------------------|--|
| Total ► | \$ 168,247,239 | \$ 21,574,800 | \$ 189,822,039 | ◀ Total Spending in Region |
| Federal Funds ► | \$ 135,878,258 | | \$ 135,878,258 | ◀ Total Federal Spending in Region |
| Non-Federal Funds ► | \$ 32,368,982 | \$ 21,574,800 | \$ 53,943,782 | ◀ 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>

2017 Boston Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|---------------|------------------------------|-----------------------|--------------------------------|-----------------|---------------------|-------|-------|-------|-------|---------------|--------------|--------------------------|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

| | | | | | | | | | | | | |
|------------------------|-------|---|------|-----------------------|-------------------|-------------|-------------|-------------|-------------------|----------------------|-----------------------|--|
| 5307 | MBTA | PREVENTIVE MAINTENANCE | | \$ 12,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 3,000,000 | \$ 15,000,000 | |
| 5307 | MBTA | Systems Upgrades | | \$ 58,685,516 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 14,671,379 | \$ 73,356,895 | |
| 5307 | CATA | PREVENTIVE MAINTENANCE | 2016 | \$ 400,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 100,000 | \$ 500,000 | |
| 5307 | CATA | ACQUIRE - MISC SUPPORT EQUIPMENT | 2016 | \$ 19,390 | \$ 4,848 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 24,238 | |
| 5307 | CATA | ACQUIRE - SUPPORT VEHICLES | 2016 | \$ 88,000 | \$ 22,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 110,000 | |
| 5307 | CATA | ACQUIRE - SHOP EQ/SOFTWARE MAINTENANCE | 2016 | \$ 28,000 | \$ 7,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 35,000 | |
| 5307 | MWRTA | INTERMODAL (TRANSIT): Facil. Improvements | | \$ 150,000 | \$ 37,500 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 187,500 | |
| 5307 | MWRTA | ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES | | \$ 248,415 | \$ 62,104 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 310,519 | |
| 5307 | MWRTA | NON FIXED ROUTE ADA PARA SERV | | \$ 1,300,000 | \$ - | \$ - | \$ - | \$ - | \$ 325,000 | \$ - | \$ 1,625,000 | |
| 5307 | MWRTA | Mobility Management | | \$ 25,000 | \$ 6,250 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 31,250 | |
| 5307 Subtotal ► | | | | \$ 72,944,321 | \$ 139,702 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 17,771,379 | \$ 91,180,402 | |
| 5337 | MBTA | Bridge & Tunnel Program | | \$ 100,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 25,000,000 | \$ 125,000,000 | |
| 5337 | MBTA | Systems Upgrades | | \$ 21,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 5,297,637 | \$ 26,488,183 | |
| 5337 Subtotal ► | | | | \$ 121,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 30,297,637 | \$ 151,488,183 | |
| 5339 | MBTA | Systems Upgrades | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5339 Subtotal ► | | | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5310 | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 5310 Subtotal ► | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |

2017 Boston Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|--------------------------|------------------------------|--|--------------------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------------|-----------------------|-----------------------|---|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |
| 5309 | MBTA | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 230,670,000 | \$ 380,670,000 | The Green Line Extension project cash flows began programming New Starts funding in FFY 2015. \$1,270,262,000 of the \$1,992,243,000 project cost is programmed in FFYs 2016-19, and the remaining funding will be included in future years of the TIP. |
| 5309 Subtotal ▶ | | | | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 230,670,000 | \$ 380,670,000 | |
| SoGR | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Livability | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| TIGER | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Grants Subtotal ▶ | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Other | CATA | BUY REPLACEMENT 30-FT BUS (3) | | \$ - | \$ 1,275,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,275,000 | |
| Other Subtotal ▶ | | | | \$ - | \$ 1,275,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,275,000 | |
| Total ▶ | | | | \$ 349,421,894 | \$ 1,414,702 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 280,060,773 | \$ 631,222,369 | |

Fiscal Constraint Analysis

| Federal Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ | State Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ |
|--------------------------|----------------|----------------|-------------------------|------------------------|--------------|--------------|------------------------|
| FFY 17 / 5307 | \$ 72,944,321 | \$ 136,932,618 | \$ 63,988,297 Available | RTACAP | \$ 1,414,702 | \$ 1,414,702 | \$ - Available |
| FFY 17 / 5337 | \$ 121,190,546 | \$ 121,190,546 | \$ - Available | MAP | \$ - | \$ - | \$ - Available |
| FFY 17 / 5339 | \$ 5,287,027 | \$ 5,287,027 | \$ - Available | ITCCAP | \$ - | \$ - | \$ - Available |
| FFY 17 / 5310 | \$ - | \$ - | \$ - Available | SCA | \$ 325,000 | \$ 3,234,526 | \$ 2,909,526 Available |
| FFY 17 / 5309 | \$ 150,000,000 | \$ 150,000,000 | \$ - Available | TDC | \$ - | \$ - | \$ - Available |

2018 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1A / Federal Aid Target Projects

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

► HSIP - Highway Safety Improvement Program

| | | | | | | | | |
|-----------------|--------|--|---|------|--------------|--------------|------------|---|
| | 600518 | HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET | 5 | HSIP | \$ 611,547 | \$ 550,392 | \$ 61,155 | STP+HSIP Total Cost = \$3,057,735 |
| | 606635 | NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON) | 6 | HSIP | \$ 2,319,644 | \$ 2,087,679 | \$ 231,964 | CMAQ+HSIP+TAP+STP Total Cost = 15,464,292 |
| HSIP Subtotal ► | | | | | \$ 2,931,191 | \$ 2,638,072 | \$ 293,119 | ◀ 90% Federal + 10% Non-Federal |

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

| | | | | | | | | |
|-----------------|--------|--|-----|------|---------------|---------------|--------------|---|
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | CMAQ | \$ 13,427,220 | \$ 10,741,776 | \$ 2,685,444 | Yr 3 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 606635 | NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON) | 6 | CMAQ | \$ 3,687,911 | \$ 2,950,329 | \$ 737,582 | CMAQ+HSIP+TAP+STP Total Cost = 15,464,292 |
| CMAQ Subtotal ► | | | | | \$ 17,115,131 | \$ 13,692,105 | \$ 3,423,026 | ◀ 80% Federal + 20% Non-Federal |

► TAP - Transportation Alternatives Program

| | | | | | | | | |
|----------------|--------|--|---|-----|--------------|--------------|------------|---|
| | 606635 | NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON) | 6 | TAP | \$ 3,312,089 | \$ 2,649,671 | \$ 662,418 | CMAQ+HSIP+TAP+STP Total Cost = 15,464,292 |
| TAP Subtotal ► | | | | | \$ 3,312,089 | \$ 2,649,671 | \$ 662,418 | ◀ 80% Federal + 20% Non-Federal |

2018 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
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| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Non-CMAQ/HSIP/TAP (Other)

| | | | | | | | | |
|--------------------------------------|--------|--|-----|------|---------------|---------------|---------------|---|
| | 603711 | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHPP | \$ 13,168,183 | \$ 10,534,546 | \$ 2,633,637 | AC Yr 5 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$50,725,206 programmed within FFYs 2016-20 TIP) |
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | STP | \$ 26,572,780 | \$ 21,258,224 | \$ 5,314,556 | Yr 3 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP | \$ 21,031,758 | \$ 16,825,406 | \$ 4,206,352 | AC Yr 3 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 |
| | 606635 | NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON) | 6 | STP | \$ 6,144,648 | \$ 4,915,718 | \$ 1,228,930 | CMAQ+HSIP+TAP+STP Total Cost = 15,464,292 |
| | 600518 | HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET | 5 | STP | \$ 2,446,188 | \$ 1,956,950 | \$ 489,238 | STP+HSIP Total Cost = \$3,057,735 |
| Non-CMAQ/HSIP/TAP (Other) Subtotal ► | | | | | \$ 69,363,557 | \$ 55,490,846 | \$ 13,872,711 | ◀ 80% Federal + 20% Non-Federal |

► Section 1A / Fiscal Constraint Analysis

| | | | | | |
|--|---------------|---------------|--------------------------|----------------|---|
| Total Federal Aid Target Funds Programmed ► | \$ 92,721,968 | \$ 92,626,333 | ◀ Total Target | \$ (95,635) | Funds Over Programmed |
| Total Non-CMAQ/HSIP/TAP (Other) Programmed ► | \$ 69,363,557 | \$ 71,590,314 | ◀ Max. Non-CMAQ/HSIP/TAP | \$ (95,635) | Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum |
| Total HSIP Programmed ► | \$ 2,931,191 | \$ 4,296,710 | ◀ Min. HSIP | \$ 1,365,519 | HSIP Minimum Not Met |
| Total CMAQ Programmed ► | \$ 17,115,131 | \$ 13,427,220 | ◀ Min. CMAQ | \$ (3,687,911) | CMAQ Minimum Met |
| Total TAP Programmed ► | \$ 3,312,089 | \$ 3,312,089 | ◀ Min. TAP | \$ - | TAP Minimum Met |

HSIP, CMAQ, TAP Overprogrammed \$ (2,322,392)

► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

| | | | |
|---|------|------|------|
| No Projects Programmed | \$ - | \$ - | \$ - |
| Statewide Bridge Maintenance Program Subtotal ► | \$ - | \$ - | \$ - |

◀ 80% Federal + 20% Non-Federal

► On System

| | | | | | | | | |
|----------------------|--------|---|---|------|---------------|---------------|---------------|--|
| | 604173 | BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER | 6 | NHPP | \$ 36,000,000 | \$ 28,800,000 | \$ 7,200,000 | AC Yr 2 of 4; Total Cost = \$112,700,000 |
| | 604952 | LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE) | 4 | NHPP | \$ 18,800,000 | \$ 15,040,000 | \$ 3,760,000 | AC Yr 2 of 4; Total Cost = \$45,000,000 |
| On System Subtotal ► | | | | | \$ 54,800,000 | \$ 43,840,000 | \$ 10,960,000 | ◀ 80% Federal + 20% Non-Federal |

2018 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Off-System

| | | | | | | | | |
|-----------------------|--------|--|---|------------|---------------|---------------|--------------|---------------------------------|
| | 606632 | HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER | 3 | STP-BR-OFF | \$ 11,727,339 | \$ 9,381,871 | \$ 2,345,468 | |
| | 607133 | QUINCY- BRIDGE REPLACEMENT, ROBERTSON STREET OVER I-93/US 1/SR 3 | 6 | STP-BR-OFF | \$ 6,435,763 | \$ 5,148,610 | \$ 1,287,153 | |
| | 604655 | MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER | 5 | STP-BR-OFF | \$ 4,822,854 | \$ 3,858,283 | \$ 964,571 | |
| | 607533 | WALTHAM- WOERD AVENUE OVER THE CHARLES RIVER | 4 | STP-BR-OFF | \$ 3,873,360 | \$ 3,098,688 | \$ 774,672 | |
| Off-System Subtotal ► | | | | | \$ 26,859,316 | \$ 21,487,453 | \$ 5,371,863 | ◀ 80% Federal + 20% Non-Federal |

► Statewide Bridge Inspection Program

| | | | | | | | | |
|--|--------|--|---|------|--------------|--------------|------------|---------------------------------|
| | 607915 | NEWTON- WELLESLEY- WESTON- BRIDGE MAINTENANCE OF N-12-063, N-12-054, N-12-055 & N-12-056 ON I-95/ROUTE 128 | 6 | NHPP | \$ 1,724,400 | \$ 1,379,520 | \$ 344,880 | |
| Statewide Bridge Inspection Program Subtotal ► | | | | | \$ 1,724,400 | \$ 1,379,520 | \$ 344,880 | ◀ 80% Federal + 20% Non-Federal |

► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

| | | | | | | | | |
|------------------------------|--------|---|---|------------|--------------|--------------|--------------|---|
| | 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 (MA155) |
| | 605789 | BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD | 6 | HPP (2005) | \$ 2,429,730 | \$ 1,943,784 | \$ 485,946 | Construction; HPP 4284 (MA203); SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost \$7,437,105 |
| | 605789 | BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD | 6 | HPP (2005) | \$ 5,007,375 | \$ 4,005,900 | \$ 1,001,475 | Construction; HPP 4284 (MA203); SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost \$7,437,105 |
| Other Federal Aid Subtotal ► | | | | | \$ 9,815,005 | \$ 7,852,004 | \$ 1,963,001 | ◀ Funding Split Varies by Funding Source |

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

► Statewide Infrastructure Program

| | | | | | | | | |
|---|--------|---|---|-----|--------------|--------------|--------------|--|
| | 605733 | DISTRICT 6- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM SOUTHAMPTON STREET TO NEPONSET AVENUE IN BOSTON | 6 | STP | \$ 1,250,000 | \$ 1,000,000 | \$ 250,000 | AC Year 3 of 3; Total Cost = \$8,250,000 |
| | 606381 | ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2 | 4 | STP | \$ 5,750,000 | \$ 4,600,000 | \$ 1,150,000 | AC Year 1 of 2; Total Cost = \$9,450,000 |
| Statewide Infrastructure Program Subtotal ► | | | | | \$ 7,000,000 | \$ 5,600,000 | \$ 1,400,000 | ◀ 80% Federal + 20% Non-Federal |

► Statewide HSIP Program

| | | | | | | | | |
|-----------------------------------|--------|--|---|------|--------------|--------------|------------|---------------------------------|
| | 607748 | ACTION- INTERSECTION & SIGNAL IMPROVEMENTS ON SR 2 & SR 111 (MASSACHUSETTS AVENUE) AT PIPER ROAD & TAYLOR ROAD | 3 | HSIP | \$ 1,500,000 | \$ 1,350,000 | \$ 150,000 | |
| | 607761 | SWAMPSCOTT- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 1A (PARADISE ROAD) AT SWAMPSCOTT MALL | 4 | HSIP | \$ 550,000 | \$ 495,000 | \$ 55,000 | |
| Statewide HSIP Program Subtotal ► | | | | | \$ 2,050,000 | \$ 1,845,000 | \$ 205,000 | ◀ 90% Federal + 10% Non-Federal |

2018 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► **Statewide Safe Routes to Schools Program**

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|--|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | Funding Split Varies by Funding Source |
| Statewide Safe Routes to Schools Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

► **Statewide CMAQ**

| | | | | | | | | |
|------------------|---------------|---|---|------|---------------|---------------|--------------|---------------------------------|
| | 607329 | WAKEFIELD- LYNNFIELD- RAIL TRAIL EXTENSION, FROM THE GALVIN MIDDLE SCHOOL TO LYNNFIELD/PEABODY T.L. | 4 | CMAQ | \$ 7,662,854 | \$ 6,130,283 | \$ 1,532,571 | |
| | 606223 | ACTON- CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION (PHASE II-B) | 3 | CMAQ | \$ 6,230,016 | \$ 4,984,013 | \$ 1,246,003 | |
| | 607732 | FRAMINGHAM- NATICK- COCHITUATE RAIL TRAIL CONSTRUCTION INCLUDING PEDESTRIAN BRIDGE, N-03-014, OVER ROUTE 9 & BRIDGE OVER ROUTE 30 | 3 | CMAQ | \$ 5,859,926 | \$ 4,687,941 | \$ 1,171,985 | |
| Statewide CMAQ ► | | | | | \$ 19,752,796 | \$ 15,802,237 | \$ 3,950,559 | ◀ 80% Federal + 20% Non-Federal |

► **Statewide Transportation Enhancements**

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide Transportation Enhancements Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► **Statewide ITS**

| | | | | | | | | |
|--------------------------|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide ITS Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► **Statewide Interstate Maintenance Program**

| | | | | | | | | |
|---|---------------|--|---|------|--------------|--------------|------------|---|
| AMENDMENT:Decrease Cost | 608219 | READING-WAKEFIELD- INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-95 | 4 | NHPP | \$ 4,037,488 | \$ 3,633,739 | \$ 403,749 | cost decrease of \$601,328; was \$4,638,816 |
| Statewide Interstate Maintenance Program Subtotal ► | | | | | \$ 4,037,488 | \$ 3,633,739 | \$ 403,749 | ◀ 90% Federal + 10% Non-Federal |

► **Statewide NHS Preservation Program+**

| | | | | | | | | |
|---|---------------|--|---|------|---------------|---------------|--------------|--|
| | 608069 | MARSHFIELD PEMBROKE NORWELL HANOVER ROCKLAND HINGHAM RESURFACING ON RT 3 | 5 | NHPP | \$ 17,586,720 | \$ 14,069,376 | \$ 3,517,344 | |
| | 605608 | DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109 | 6 | NHPP | \$ 2,523,312 | \$ 2,018,650 | \$ 504,662 | NHSP+Stormwater Total Cost = \$2,739,312 |
| | 608008 | SAUGUS-RESURFACING AND RELATED WORK ON ROUTE 1 | 4 | NHPP | \$ 10,597,910 | \$ 8,478,328 | \$ 2,119,582 | |
| | 608220 | CONCORD - RESURFACING AND RELATED WORK ON ROUTE 2 | 4 | NHPP | \$ 1,784,160 | \$ 1,427,328 | \$ 356,832 | |
| Statewide NHS Preservation Program Subtotal ► | | | | | \$ 32,492,102 | \$ 25,993,682 | \$ 6,498,420 | ◀ 80% Federal + 20% Non-Federal |

► **Statewide RR Grade Crossings**

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide RR Grade Crossings Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► **Statewide Stormwater Retrofits**

| | | | | | | | | |
|---|---------------|--|---|--------|------------|------------|------------|--|
| | 605608 | DEDHAM - RESURFACING AND RELATED WORK ON ROUTE 109 | 6 | STP-TE | \$ 216,000 | \$ 172,800 | \$ 43,200 | NHSP+Stormwater Total Cost = \$2,739,312 |
| AMENDMENT:Add Project | 608217 | MARLBOROUGH- SUDBURY- STORMWATER IMPROVEMENTS ALONG ROUTE 20 | 3 | STP-TE | \$ 671,000 | \$ 536,800 | \$ 134,200 | new addition |
| Statewide Stormwater Retrofits Subtotal ► | | | | | \$ 887,000 | \$ 709,600 | \$ 177,400 | ◀ 80% Federal + 20% Non-Federal |

2018 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► **Statewide ADA Implementation Plan**

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide ADA Implementation Plan Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► **Other Statewide Items**

| | | | | | | | | |
|----------------------------------|--|---|--|--|------|------|------|--|
| | | ABP GANS Repayment | | | \$ - | - | - | |
| | | Award Adjustments, Change Orders, Project Value Changes, Etc. | | | \$ - | - | - | |
| | | DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs | | | \$ - | - | - | |
| | | Planning | | | \$ - | - | - | |
| | | Statewide Design and Right of Way | | | \$ - | - | - | |
| | | Statewide Recreational Trails | | | \$ - | - | - | |
| Other Statewide Items Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

► **Section 2A / Non-Federal Projects**

► **Non Federal Aid**

| | | | | | | | | |
|----------------------------|------|------------------------|-----|-----|--------------|--|--------------|---|
| | 1568 | FAIRMOUNT IMPROVEMENTS | N/A | NFA | \$ 9,000,000 | | \$ 9,000,000 | Lists cash flows (based on state fiscal year) |
| Non-Federal Aid Subtotal ► | | | | | \$ 9,000,000 | | \$ 9,000,000 | ◀ 100% Non-Federal |

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

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

| | | | | | | | | |
|---|--|------------------------|--|-----|------|--|------|--------------------|
| | | No Projects Programmed | | NFA | \$ - | | \$ - | |
| Section 2B / Non-Federal Bridge Projects Subtotal ► | | | | | \$ - | | \$ - | ◀ 100% Non-Federal |

2018 Boston Region MPO TIP Summary

| | TIP Section 1: ▼ | TIP Section 2: ▼ | Total of All Projects ▼ | |
|---------------------|---------------------|---------------------|----------------------------|--|
| Total ► | \$ 252,140,075 | \$ 9,000,000 | \$ 261,140,075 | ◀ Total Spending in Region |
| Federal Funds ► | \$ 202,613,928 | | \$ 202,613,928 | ◀ Total Federal Spending in Region |
| Non-Federal Funds ► | \$ 49,526,147 | \$ 9,000,000 | \$ 58,526,147 | ◀ 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>

2018 Boston Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|---------------|------------------------------|-----------------------|--------------------------------|-----------------|---------------------|-------|-------|-------|-------|---------------|--------------|--------------------------|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

| | | | | | | | | | | | | |
|------------------------|-------|---|------|-----------------------|-------------------|-------------|-------------|-------------|-------------------|----------------------|-----------------------|--|
| 5307 | MBTA | PREVENTIVE MAINTENANCE | | \$ 12,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 3,000,000 | \$ 15,000,000 | |
| 5307 | MBTA | Systems Upgrades | | \$ 58,685,516 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 14,671,379 | \$ 73,356,895 | |
| 5307 | CATA | PREVENTIVE MAINTENANCE | 2017 | \$ 400,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 100,000 | \$ 500,000 | |
| 5307 | CATA | ACQUIRE - SHOP EQ/SOFTWARE MAINT | 2017 | \$ 28,000 | \$ 7,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 35,000 | |
| 5307 | CATA | ACQUIRE - MISC SUPPORT EQUIPMENT | 2017 | \$ 60,744 | \$ 15,186 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 75,930 | |
| 5307 | CATA | ACQUIRE - SHOP EQUIPMENT | 2017 | \$ 52,000 | \$ 13,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 65,000 | |
| 5307 | MWRTA | TERMINAL, INTERMODAL (TRANSIT) | | \$ 150,000 | \$ 37,500 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 187,500 | |
| 5307 | MWRTA | ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES | | \$ 248,519 | \$ 62,104 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 310,623 | |
| 5307 | MWRTA | NON FIXED ROUTE ADA PARA SERV | | \$ 1,300,000 | \$ - | \$ - | \$ - | \$ - | \$ 325,000 | \$ - | \$ 1,625,000 | |
| 5307 | MWRTA | Mobility Management | | \$ 25,000 | \$ 6,250 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 31,250 | |
| 5307 Subtotal ► | | | | \$ 72,949,779 | \$ 141,040 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 17,771,379 | \$ 91,187,198 | |
| 5337 | MBTA | Bridge & Tunnel Program | | \$ 60,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 15,000,000 | \$ 75,000,000 | |
| 5337 | MBTA | Systems Upgrades | | \$ 61,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 15,297,637 | \$ 76,488,183 | |
| 5337 Subtotal ► | | | | \$ 121,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 30,297,637 | \$ 151,488,183 | |
| 5339 | MBTA | Systems Upgrades | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5339 Subtotal ► | | | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5310 | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 5310 Subtotal ► | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |

2018 Boston Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|--------------------------|------------------------------|--|--------------------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------------|-----------------------|-----------------------|---|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |
| 5309 | MBTA | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 195,558,000 | \$ 345,558,000 | The Green Line Extension project cash flows began programming New Starts funding in FFY 2015. \$1,270,262,000 of the \$1,992,243,000 project cost is programmed in FFYs 2016-19, and the remaining funding will be included in future years of the TIP. |
| 5309 Subtotal ► | | | | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 195,558,000 | \$ 345,558,000 | |
| SoGR | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Livability | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| TIGER | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Grants Subtotal ► | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Other | CATA | BUY REPLACEMENT TROLLEY BUS (2) | | \$ - | \$ 900,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 900,000 | |
| Other Subtotal ► | | | | \$ - | \$ 900,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 900,000 | |
| Total ► | | | | \$ 349,427,352 | \$ 1,041,040 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 244,948,773 | \$ 595,742,165 | |

Fiscal Constraint Analysis

| Federal Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ | State Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ |
|--------------------------|----------------|----------------|-------------------------|------------------------|--------------|--------------|------------------------|
| FFY 17 / 5307 | \$ 72,949,779 | \$ 136,938,027 | \$ 63,988,248 Available | RTACAP | \$ 1,041,040 | \$ 1,041,040 | \$ - Available |
| FFY 17 / 5337 | \$ 121,190,546 | \$ 121,190,546 | \$ - Available | MAP | \$ - | \$ - | \$ - Available |
| FFY 17 / 5339 | \$ 5,287,027 | \$ 5,287,027 | \$ - Available | ITCCAP | \$ - | \$ - | \$ - Available |
| FFY 17 / 5310 | \$ - | \$ - | \$ - Available | SCA | \$ 325,000 | \$ 3,234,526 | \$ 2,909,526 Available |
| FFY 17 / 5309 | \$ 150,000,000 | \$ 150,000,000 | \$ - Available | TDC | \$ - | \$ - | \$ - Available |

2019 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1A / Federal Aid Target Projects

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

► HSIP - Highway Safety Improvement Program

| | | | | | | | | |
|-----------------|--------|---|---|------|--------------|--------------|------------|--|
| | 606043 | HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135 | 3 | HSIP | \$ 1,220,822 | \$ 1,098,740 | \$ 122,082 | CMAQ+HSIP+STP Total Cost = \$8,138,816 |
| | 607428 | HOPEDALE- MILFORD- RESURFACING & INTERSECTION IMPROVEMENTS ON ROUTE 16 (MAIN STREET), FROM WATER STREET WEST TO APPROXIMATELY 120 FEET WEST OF THE MILFORD/HOPEDALE T.L AND THE INTERSECTION OF ROUTE 140 | 3 | HSIP | \$ 2,362,214 | \$ 2,125,993 | \$ 236,221 | CMAQ+HSIP Total Cost = \$3,149,619 |
| | 607652 | EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET | 4 | HSIP | \$ 2,000,000 | \$ 1,800,000 | \$ 200,000 | STP+HSIP Total Cost = \$7,244,124 |
| HSIP Subtotal ► | | | | | \$ 5,583,037 | \$ 5,024,733 | \$ 558,304 | ◀ 90% Federal + 10% Non-Federal |

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

| | | | | | | | | |
|-----------------|--------|---|-----|------|---------------|---------------|--------------|---|
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | CMAQ | \$ 13,427,220 | \$ 10,741,776 | \$ 2,685,444 | Yr 4 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 605034 | NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L. | 3 | CMAQ | \$ 1,000,000 | \$ 800,000 | \$ 400,000 | CMAQ+STP Total Cost = \$14,725,286 |
| | 606043 | HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135 | 3 | CMAQ | \$ 1,000,000 | \$ 800,000 | \$ 200,000 | CMAQ+HSIP+STP Total Cost = \$8,138,816 |
| | 606453 | BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET | 6 | CMAQ | \$ 1,824,765 | \$ 1,459,812 | \$ 364,953 | STP+CMAQ+TAP Total Cost = \$7,373,484 |
| | 607428 | HOPEDALE- MILFORD- RESURFACING & INTERSECTION IMPROVEMENTS ON ROUTE 16 (MAIN STREET), FROM WATER STREET WEST TO APPROXIMATELY 120 FEET WEST OF THE MILFORD/HOPEDALE T.L AND THE INTERSECTION OF ROUTE 140 | 3 | CMAQ | \$ 787,405 | \$ 629,924 | \$ 157,481 | CMAQ+HSIP Total Cost = \$3,149,619 |
| CMAQ Subtotal ► | | | | | \$ 18,039,390 | \$ 14,431,512 | \$ 3,807,878 | ◀ 80% Federal + 20% Non-Federal |

2019 Boston Region MPO Transportation Improvement Program

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| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► TAP - Transportation Alternatives Program

| | | | | | | | | |
|----------------|--------|---|---|-----|--------------|--------------|------------|---------------------------------------|
| | 606453 | BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET | 6 | TAP | \$ 2,548,719 | \$ 2,038,975 | \$ 509,744 | STP+CMAQ+TAP Total Cost = \$7,373,484 |
| TAP Subtotal ► | | | | | \$ 2,548,719 | \$ 2,038,975 | \$ 509,744 | ◀ 80% Federal + 20% Non-Federal |

► Non-CMAQ/HSIP/TAP (Other)

| | | | | | | | | |
|--------------------------------------|--------|--|-----|-----|---------------|---------------|---------------|---|
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | STP | \$ 26,572,780 | \$ 21,258,224 | \$ 5,314,556 | Yr 4 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP | \$ 6,600,000 | \$ 5,280,000 | \$ 1,320,000 | AC Yr 4 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 |
| | 602077 | LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE | 4 | STP | \$ 3,889,305 | \$ 3,111,444 | \$ 777,861 | |
| | 605034 | NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L. | 3 | STP | \$ 13,725,286 | \$ 10,980,229 | \$ 2,745,057 | CMAQ+STP Total Cost = \$14,725,286 |
| | 606453 | BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET | 6 | STP | \$ 3,000,000 | \$ 2,400,000 | \$ 600,000 | STP+CMAQ+TAP Total Cost = \$7,373,484 |
| | 606043 | HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135 | 3 | STP | \$ 5,917,993 | \$ 4,734,395 | \$ 1,183,599 | CMAQ+HSIP+STP Total Cost = \$8,138,816 |
| | 607652 | EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET | 4 | STP | \$ 5,244,124 | \$ 4,195,299 | \$ 1,048,825 | STP+HSIP Total Cost = \$7,244,124 |
| Non-CMAQ/HSIP/TAP (Other) Subtotal ► | | | | | \$ 64,949,489 | \$ 51,959,591 | \$ 12,989,898 | ◀ 80% Federal + 20% Non-Federal |

► Section 1A / Fiscal Constraint Analysis

| | | | | | |
|--|---------------|---------------|--------------------------|----------------|-------------------------------------|
| Total Federal Aid Target Funds Programmed ► | \$ 91,120,634 | \$ 92,626,333 | ◀ Total Target | \$ 1,505,699 | Target Funds Available |
| Total Non-CMAQ/HSIP/TAP (Other) Programmed ► | \$ 64,949,489 | \$ 72,353,684 | ◀ Max. Non-CMAQ/HSIP/TAP | \$ 1,505,699 | Non-CMAQ/HSIP/TAP (Other) Available |
| Total HSIP Programmed ► | \$ 5,583,037 | \$ 4,296,710 | ◀ Min. HSIP | \$ (1,286,327) | HSIP Minimum Met |
| Total CMAQ Programmed ► | \$ 18,039,390 | \$ 13,427,220 | ◀ Min. CMAQ | \$ (4,612,170) | CMAQ Minimum Met |
| Total TAP Programmed ► | \$ 2,548,719 | \$ 2,548,719 | ◀ Min. TAP | \$ - | TAP Minimum Met |

HSIP, CMAQ, TAP Overprogrammed \$ (5,898,497)

2019 Boston Region MPO Transportation Improvement Program

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| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

| | | | | | | | | |
|---|--------|---|---|------|--------------|--------------|------------|---------------------------------|
| AMENDMENT: Add Project | 608234 | BOSTON- RANDOLPH- BRIDGE PRESERVATION OF 3 BRIDGES: B-16-165, R-01-005 & R-01-007 | 6 | NHPP | \$ 2,889,600 | \$ 2,311,680 | \$ 577,920 | new addition |
| Statewide Bridge Maintenance Program Subtotal ► | | | | | \$ 2,889,600 | \$ 2,311,680 | \$ 577,920 | ◀ 80% Federal + 20% Non-Federal |

► On System

| | | | | | | | | |
|--------------------------|--------|---|---|------|---------------|---------------|--------------|---|
| | 604173 | BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER | 6 | NHPP | \$ 34,504,000 | \$ 27,603,200 | \$ 6,900,800 | AC Yr 3 of 4; Total Cost = \$112,700,000 |
| AMENDMENT: Decrease Cost | 604952 | LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE) | 4 | NHPP | \$ 10,800,000 | \$ 8,640,000 | \$ 2,160,000 | cost decrease of \$2,000,000; AC Yr 3 of 4; Total Cost = \$45,000,000; was \$12,800,000 |
| On System Subtotal ► | | | | | \$ 45,304,000 | \$ 36,243,200 | \$ 9,060,800 | ◀ 80% Federal + 20% Non-Federal |

► Off-System

| | | | | | | | | |
|-----------------------|--------|---|---|------------|--------------|--------------|--------------|---------------------------------|
| | 608079 | SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA | 5 | STP-BR-OFF | \$ 4,755,240 | \$ 3,804,192 | \$ 951,048 | |
| | 608255 | STOW, BRIDGE REPLACEMENT, S-29-11, BOX MILL ROAD OVER ELIZABETH BROOK | 3 | STP-BR-OFF | \$ 3,612,224 | \$ 2,889,779 | \$ 722,445 | |
| Off-System Subtotal ► | | | | | \$ 8,367,464 | \$ 6,693,971 | \$ 1,673,493 | ◀ 80% Federal + 20% Non-Federal |

► Statewide Bridge Inspection Program

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Bridge Inspection Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

| | | | | | | | | |
|------------------------------|--|------------------------|--|--|------|------|------|--|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Other Federal Aid Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

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

► Statewide Infrastructure Program

| | | | | | | | | |
|---|--------|--|---|-----|--------------|--------------|------------|--|
| | 606381 | ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2 | 4 | STP | \$ 3,700,000 | \$ 2,960,000 | \$ 740,000 | AC Year 2 of 2; Total Cost = \$9,450,000 |
| Statewide Infrastructure Program Subtotal ► | | | | | \$ 3,700,000 | \$ 2,960,000 | \$ 740,000 | ◀ 80% Federal + 20% Non-Federal |

2019 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
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| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---|-------------------------|---|-----------------------|---------------------|--------------------------------|--------------------|------------------------|--|
| ► Statewide HSIP Program | | | | | | | | |
| | 608205 | READING TO LYNNFIELD - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 95 (STATE ROUTE 128) | 4 | HSIP | \$ 3,500,000 | \$ 3,150,000 | \$ 350,000 | |
| | 608206 | CHELSEA TO DANVERS - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF US ROUTE 1 | 4 | HSIP | \$ 5,900,000 | \$ 5,310,000 | \$ 590,000 | |
| | 607759 | BOSTON- INTERSECTION & SIGNAL IMPROVEMENTS AT THE VFW PARKWAY & SPRING STREET | 6 | HSIP | \$ 550,000 | \$ 495,000 | \$ 55,000 | |
| | 608052 | NORWOOD- INTERSECTION & SIGNAL IMPROVEMENTS AT US 1 (PROVIDENCE HIGHWAY) & MORSE STREET | 5 | HSIP | \$ 550,000 | \$ 495,000 | \$ 55,000 | |
| | 607763 | MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 138 (BLUE HILL AVENUE) AT ATHERTON STREET & BRADLEE ROAD AND SR 138 (BLUE HILL AVENUE) AT MILTON STREET & DOLLAR LANE | 6 | HSIP | \$ 1,100,000 | \$ 990,000 | \$ 110,000 | |
| Statewide HSIP Program Subtotal ► | | | | | \$ 11,600,000 | \$ 10,440,000 | \$ 1,160,000 | ◀ 90% Federal + 10% Non-Federal |
| ► Statewide Safe Routes to Schools Program | | | | | | | | |
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | Funding Split Varies by Funding Source |
| Statewide Safe Routes to Schools Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |
| ► Statewide CMAQ | | | | | | | | |
| | 607888 | BOSTON- BROOKLINE- MULTI-USE PATH CONSTRUCTION ON NEW FENWAY | 6 | CMAQ | \$ 1,915,213 | \$ 1,532,170 | \$ 383,043 | |
| Statewide CMAQ ► | | | | | \$ 1,915,213 | \$ 1,532,170 | \$ 383,043 | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide Transportation Enhancements | | | | | | | | |
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Transportation Enhancements Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide ITS | | | | | | | | |
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide ITS Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide Interstate Maintenance Program | | | | | | | | |
| AMENDMENT:Decrease Cost | 608208 | QUINCY - MILTON - BOSTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93 | 6 | NHPP | \$ 21,491,482 | \$ 19,342,334 | \$ 2,149,148 | cost decrease of \$795,980; IM+Stormwater Total Cost = \$22,051,482; IM was \$22,287,462 |
| AMENDMENT:Decrease Cost | 608210 | FOXBOROUGH-PLAINVILLE-WRENTHAM-FRANKLIN-INTERSTAE MAINTENANCE AND RELATED WORK ON I-495 | 5 | NHPP | \$ 24,468,480 | \$ 22,021,632 | \$ 2,446,848 | cost decrease of \$4,923,904; was \$29,392,384 |
| Statewide Interstate Maintenance Program Subtotal ► | | | | | \$ 45,959,962 | \$ 41,363,966 | \$ 4,595,996 | ◀ 90% Federal + 10% Non-Federal |
| ► Statewide NHS Preservation Program+ | | | | | | | | |
| AMENDMENT:Remove Project | 608221 | MARLBORO RESURFACING AND RELATED WORK ON ROUTE 20 | 3 | NHPP | \$ - | \$ - | \$ - | remove from TIP; district maintenance resurfacing occurred in 2015; was \$6,126,938 |
| AMENDMENT:Add Project | 608379 | LEXINGTON- BELMONT- ARLINGTON- CAMBRIDGE- PAVEMENT PRESERVATION ON ROUTE 2 | 4 | NHPP | \$ 5,400,000 | \$ 4,320,000 | \$ 1,080,000 | new addition; NHSPP+Stormwater Total Cost = \$6,600,000 |
| Statewide NHS Preservation Program Subtotal ► | | | | | \$ 5,400,000 | \$ 4,320,000 | \$ 1,080,000 | ◀ 80% Federal + 20% Non-Federal |

2019 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Statewide RR Grade Crossings

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide RR Grade Crossings Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide Stormwater Retrofits

| | | | | | | | | |
|---|--------|--|---|--------|--------------|--------------|------------|---|
| AMENDMENT:Remove Project | 608213 | MILTON - STORMWATER IMPROVEMENTS ALONG I-93 | 6 | STP-TE | \$ - | \$ - | \$ - | removed from TIP; was \$560,000 |
| AMENDMENT:Add Funding Source | 608208 | QUINCY - MILTON - BOSTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93 | 6 | STP-TE | \$ 560,000 | \$ 448,000 | \$ 112,000 | new funding source; IM+Stormwater Total Cost = \$22,051,482 |
| AMENDMENT:Add Project | 608379 | LEXINGTON- BELMONT- ARLINGTON- CAMBRIDGE- PAVEMENT PRESERVATION ON ROUTE 2 | 4 | STP-TE | \$ 1,200,000 | \$ 960,000 | \$ 240,000 | new addition; NHSP+Stormwater Total Cost = \$6,600,000 |
| | 608214 | WINCHESTER - UPPER MYSTIC RIVER ROUTE 3 | 4 | STP-TE | \$ 224,000 | \$ 179,200 | \$ 44,800 | |
| Statewide Stormwater Retrofits Subtotal ► | | | | | \$ 1,984,000 | \$ 1,587,200 | \$ 396,800 | ◀ 80% Federal + 20% Non-Federal |

► Statewide ADA Implementation Plan

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide ADA Implementation Plan Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Other Statewide Items

| | | | | | | | | |
|----------------------------------|--|---|--|--|------|------|------|--|
| | | ABP GANS Repayment | | | \$ - | \$ - | \$ - | |
| | | Award Adjustments, Change Orders, Project Value Changes, Etc. | | | \$ - | \$ - | \$ - | |
| | | DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs | | | \$ - | \$ - | \$ - | |
| | | Planning | | | \$ - | \$ - | \$ - | |
| | | Statewide Design and Right of Way | | | \$ - | \$ - | \$ - | |
| | | Statewide Recreational Trails | | | \$ - | \$ - | \$ - | |
| Other Statewide Items Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

► Section 2A / Non-Federal Projects

► Non Federal Aid

| | | | | | | | | |
|----------------------------|------|------------------------|-----|-----|--------------|--|--------------|---|
| | 1568 | FAIRMOUNT IMPROVEMENTS | N/A | NFA | \$ 5,328,200 | | \$ 5,328,200 | Lists cash flows (based on state fiscal year) |
| Non-Federal Aid Subtotal ► | | | | | \$ 5,328,200 | | \$ 5,328,200 | ◀ 100% Non-Federal |

► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

| | | | | | | | | |
|---|--|------------------------|--|-----|------|--|------|--------------------|
| | | No Projects Programmed | | NFA | \$ - | | \$ - | |
| Section 2B / Non-Federal Bridge Projects Subtotal ► | | | | | \$ - | | \$ - | ◀ 100% Non-Federal |

2019 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

2019 Boston Region MPO TIP Summary

| | TIP Section 1: ▼ | TIP Section 2: ▼ | Total of All Projects ▼ | |
|---------------------|---------------------|---------------------|----------------------------|--|
| Total ▶ | \$ 218,440,873 | \$ 5,328,200 | \$ 223,769,073 | ◀ Total Spending in Region |
| Federal Funds ▶ | \$ 180,906,999 | | \$ 180,906,999 | ◀ Total Federal Spending in Region |
| Non-Federal Funds ▶ | \$ 37,533,875 | \$ 5,328,200 | \$ 42,862,075 | ◀ 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>

2019 Boston Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|---------------|------------------------------|-----------------------|--------------------------------|-----------------|---------------------|-------|-------|-------|-------|---------------|--------------|--------------------------|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

| | | | | | | | | | | | | |
|------------------------|-------|---|------|-----------------------|-------------------|-------------|-------------|-------------|-------------------|----------------------|-----------------------|--|
| 5307 | MBTA | PREVENTIVE MAINTENANCE | | \$ 12,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 3,000,000 | \$ 15,000,000 | |
| 5307 | MBTA | Systems Upgrades | | \$ 58,685,516 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 14,671,379 | \$ 73,356,895 | |
| 5307 | CATA | PREVENTIVE MAINTENANCE | 2018 | \$ 400,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 100,000 | \$ 500,000 | |
| 5307 | CATA | ACQUIRE - SHOP EQ/COMPUTER/SFTWR | 2018 | \$ 44,000 | \$ 11,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 55,000 | |
| 5307 | CATA | ACQUIRE - MISC SUPPORT EQUIPMENT | 2018 | \$ 102,152 | \$ 25,538 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 127,690 | |
| 5307 | MWRTA | INTERMODAL (TRANSIT): Facil. Improvements | | \$ 150,000 | \$ 37,500 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 187,500 | |
| 5307 | MWRTA | ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES | | \$ 248,415 | \$ 62,104 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 310,519 | |
| 5307 | MWRTA | NON FIXED ROUTE ADA PARA SERV | | \$ 130,000 | \$ - | \$ - | \$ - | \$ - | \$ 325,000 | \$ - | \$ 455,000 | |
| 5307 | MWRTA | Mobility Management | | \$ 25,000 | \$ 6,250 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 31,250 | |
| 5307 Subtotal ► | | | | \$ 71,785,083 | \$ 142,392 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 17,771,379 | \$ 90,023,854 | |
| 5337 | MBTA | Bridge & Tunnel Program | | \$ 60,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 15,000,000 | \$ 75,000,000 | |
| 5337 | MBTA | Systems Upgrades | | \$ 61,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 15,297,637 | \$ 76,488,183 | |
| 5337 Subtotal ► | | | | \$ 121,190,546 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 30,297,637 | \$ 151,488,183 | |
| 5339 | MBTA | Systems Upgrades | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5339 Subtotal ► | | | | \$ 5,287,027 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,321,757 | \$ 6,608,784 | |
| 5310 | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 5310 Subtotal ► | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |

2019 Boston Region MPO Transportation Improvement Program

| FTA Program ▼ | Regional Transit Authority ▼ | Project Description ▼ | Carryover or Earmark Details ▼ | Federal Funds ▼ | State Match Sources | | | | | Local Funds ▼ | Total Cost ▼ | Additional Information ▼ |
|--------------------------|------------------------------|--|--------------------------------|-----------------------|---------------------|-------------|-------------|-------------|-------------------|----------------------|-----------------------|---|
| | | | | | RTACAP ▼ | MAP ▼ | ICB ▼ | TDC ▼ | SCA ▼ | | | |
| 5309 | MBTA | GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR | N/A | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 26,196,000 | \$ 176,196,000 | The Green Line Extension project cash flows began programming New Starts funding in FFY 2015. \$1,270,262,000 of the \$1,992,243,000 project cost is programmed in FFYs 2016-19, and the remaining funding will be included in future years of the TIP. |
| 5309 Subtotal ▶ | | | | \$ 150,000,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 26,196,000 | \$ 176,196,000 | |
| SoGR | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Livability | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| TIGER | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Grants Subtotal ▶ | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Other | | No Projects Programmed | N/A | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Other Subtotal ▶ | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Total ▶ | | | | \$ 348,262,656 | \$ 142,392 | \$ - | \$ - | \$ - | \$ 325,000 | \$ 75,586,773 | \$ 424,316,821 | |

Fiscal Constraint Analysis

| Federal Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ | State Funding Source ▼ | Programmed ▼ | Available ▼ | (+/-) ▼ |
|--------------------------|----------------|----------------|-------------------------|------------------------|--------------|--------------|------------------------|
| FFY 17 / 5307 | \$ 71,785,083 | \$ 136,938,027 | \$ 65,152,944 Available | RTACAP | \$ 142,392 | \$ 142,392 | \$ - Available |
| FFY 17 / 5337 | \$ 121,190,546 | \$ 121,190,546 | \$ - Available | MAP | \$ - | \$ - | \$ - Available |
| FFY 17 / 5339 | \$ 5,287,027 | \$ 5,287,027 | \$ - Available | ITCCAP | \$ - | \$ - | \$ - Available |
| FFY 17 / 5310 | \$ - | \$ - | \$ - Available | SCA | \$ 325,000 | \$ 3,234,526 | \$ 2,909,526 Available |
| FFY 17 / 5309 | \$ 150,000,000 | \$ 150,000,000 | \$ - Available | TDC | \$ - | \$ - | \$ - Available |

2020 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1A / Federal Aid Target Projects

- Indicates a change in project cost
- Indicates removed from TIP (cost not reflected in total)
- Indicates a project moved in from another TIP element
- Indicates a project moved out to another TIP element (cost not reflected in total)
- Indicates a new addition to the TIP (action taken as denoted)
- Indicates a new funding category

► HSIP - Highway Safety Improvement Program

| | | | | | | | | |
|-----------------|------------------------|--|--|--|------|------|------|---------------------------------|
| | No Projects Programmed | | | | \$ - | \$ - | \$ - | |
| HSIP Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 90% Federal + 10% Non-Federal |

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

| | | | | | | | | |
|-----------------|--------|--|-----|------|---------------|---------------|--------------|---|
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | CMAQ | \$ 13,427,220 | \$ 10,741,776 | \$ 2,685,444 | Yr 5 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 602261 | WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET) FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER | 5 | CMAQ | \$ 2,000,000 | \$ 1,600,000 | \$ 400,000 | STP+CMAQ Total Cost = \$18,584,373 |
| | 604123 | ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L. | 3 | CMAQ | \$ 2,000,000 | \$ 1,600,000 | \$ 400,000 | STP+CMAQ+TAP Total Cost = \$15,532,405 |
| CMAQ Subtotal ► | | | | | \$ 17,427,220 | \$ 13,941,776 | \$ 3,485,444 | ◀ 80% Federal + 20% Non-Federal |

► TAP - Transportation Alternatives Program

| | | | | | | | | |
|----------------|--------|--|---|-----|--------------|--------------|------------|--|
| | 604123 | ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L. | 3 | TAP | \$ 2,548,719 | \$ 2,038,975 | \$ 509,744 | STP+CMAQ+TAP Total Cost = \$15,532,405 |
| TAP Subtotal ► | | | | | \$ 2,548,719 | \$ 2,038,975 | \$ 509,744 | ◀ 80% Federal + 20% Non-Federal |

2020 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|--------------------------------------|-------------------------|--|-----------------------|---------------------|--------------------------------|--------------------|------------------------|---|
| ► Non-CMAQ/HSIP/TAP (Other) | | | | | | | | |
| | 1569 | GREEN LINE EXTENSION PROJECT (PHASE 2), COLLEGE AVENUE TO MYSTIC VALLEY PARKWAY/ROUTE 16 | N/A | STP | \$ 26,572,780 | \$ 21,258,224 | \$ 5,314,556 | Yr 5 of 6; CMAQ+STP Total Cost = \$190,100,000 (\$158,000,000 programmed within FFYs 2016-20 TIP) |
| | 604996 | WOBURN- BRIDGE REPLACEMENT, W-43-017, NEW BOSTON STREET OVER MBTA | 4 | STP | \$ 11,355,289 | \$ 9,084,231 | \$ 2,271,058 | |
| | 606226 | BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE | 6 | STP | \$ 7,000,000 | \$ 5,600,000 | \$ 1,400,000 | |
| | 604123 | ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L. | 3 | STP | \$ 10,983,686 | \$ 8,786,949 | \$ 2,196,737 | STP+CMAQ+TAP Total Cost = \$15,532,405 |
| | 602261 | WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET) FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER | 5 | STP | \$ 16,584,373 | \$ 13,267,498 | \$ 3,316,875 | STP+CMAQ Total Cost = \$18,584,373 |
| Non-CMAQ/HSIP/TAP (Other) Subtotal ► | | | | | \$ 72,496,128 | \$ 57,996,902 | \$ 14,499,226 | ◀ 80% Federal + 20% Non-Federal |

► Section 1A / Fiscal Constraint Analysis

| | | | | | |
|--|---------------|---------------|--------------------------|----------------|---|
| Total Federal Aid Target Funds Programmed ► | \$ 92,472,067 | \$ 92,626,333 | ◀ Total Target | \$ 154,266 | Target Funds Available |
| Total Non-CMAQ/HSIP/TAP (Other) Programmed ► | \$ 72,496,128 | \$ 72,353,684 | ◀ Max. Non-CMAQ/HSIP/TAP | \$ (142,444) | Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum |
| Total HSIP Programmed ► | \$ - | \$ 4,296,710 | ◀ Min. HSIP | \$ 4,296,710 | HSIP Minimum Not Met |
| Total CMAQ Programmed ► | \$ 17,427,220 | \$ 13,427,220 | ◀ Min. CMAQ | \$ (4,000,000) | CMAQ Minimum Met |
| Total TAP Programmed ► | \$ 2,548,719 | \$ 2,548,719 | ◀ Min. TAP | \$ - | TAP Minimum Met |

Remaining HSIP, CMAQ, and TAP Funds \$ 296,710

► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

| | | | | | | | |
|---|--|--|--|------|------|------|---------------------------------|
| No Projects Programmed | | | | \$ - | \$ - | \$ - | |
| Statewide Bridge Maintenance Program Subtotal ► | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► On System

| | | | | | | | |
|------------------------|--|--|--|------|------|------|---------------------------------|
| No Projects Programmed | | | | \$ - | \$ - | \$ - | |
| On System Subtotal ► | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Off-System

| | | | | | | | |
|------------------------|--|--|--|------|------|------|---------------------------------|
| No Projects Programmed | | | | \$ - | \$ - | \$ - | |
| Off-System Subtotal ► | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide Bridge Inspection Program

| | | | | | | | |
|--|--|--|--|------|------|------|---------------------------------|
| No Projects Programmed | | | | \$ - | \$ - | \$ - | |
| Statewide Bridge Inspection Program Subtotal ► | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

2020 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

| | | | | | | | | |
|------------------------------|--|------------------------|--|--|------|------|------|--|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Other Federal Aid Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

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

► Statewide Infrastructure Program

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Infrastructure Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide HSIP Program

| | | | | | | | | |
|-----------------------------------|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide HSIP Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 90% Federal + 10% Non-Federal |

► Statewide Safe Routes to Schools Program

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|--|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | Funding Split Varies by Funding Source |
| Statewide Safe Routes to Schools Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

► Statewide CMAQ

| | | | | | | | | |
|------------------|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide CMAQ ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide Transportation Enhancements

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Transportation Enhancements Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide ITS

| | | | | | | | | |
|--------------------------|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide ITS Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide Interstate Maintenance Program

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Interstate Maintenance Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 90% Federal + 10% Non-Federal |

► Statewide NHS Preservation Program+

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide NHS Preservation Program Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide RR Grade Crossings

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide RR Grade Crossings Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► Statewide Stormwater Retrofits

| | | | | | | | | |
|---|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | \$ - | \$ - | |
| Statewide Stormwater Retrofits Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

2020 Boston Region MPO Transportation Improvement Program

07/30/2015 Endorsed
12/17/2015 Proposed Draft Amendment Two

| Amendment/ Adjustment Type ▼ | MassDOT Project ID ▼ | MassDOT Project Description ▼ | MassDOT District ▼ | Funding Source ▼ | Total Programmed Funds ▼ | Federal Funds ▼ | Non-Federal Funds ▼ | Additional Information ▼ |
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|
|---------------------------------|-------------------------|----------------------------------|-----------------------|---------------------|--------------------------------|--------------------|------------------------|-----------------------------|

► **Statewide ADA Implementation Plan**

| | | | | | | | | |
|--|--|------------------------|--|--|------|------|------|---------------------------------|
| | | No Projects Programmed | | | \$ - | - | - | |
| Statewide ADA Implementation Plan Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ 80% Federal + 20% Non-Federal |

► **Other Statewide Items**

| | | | | | | | | |
|----------------------------------|--|---|--|--|------|------|------|--|
| | | ABP GANS Repayment | | | \$ - | - | - | |
| | | Award Adjustments, Change Orders, Project Value Changes, Etc. | | | \$ - | - | - | |
| | | DBEs, FAPO, Pavement Lab Retrofits, and Misc. Programs | | | \$ - | - | - | |
| | | Planning | | | \$ - | - | - | |
| | | Statewide Design and Right of Way | | | \$ - | - | - | |
| | | Statewide Recreational Trails | | | \$ - | - | - | |
| Other Statewide Items Subtotal ► | | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

► **Section 2A / Non-Federal Projects**

► **Non Federal Aid**

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

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

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

| | | | | | | | | |
|---|--|------------------------|--|-----|------|--|------|--------------------|
| | | No Projects Programmed | | NFA | \$ - | | \$ - | |
| Section 2B / Non-Federal Bridge Projects Subtotal ► | | | | | \$ - | | \$ - | ◀ 100% Non-Federal |

2020 Boston Region MPO TIP Summary

| | TIP Section 1: ▼ | TIP Section 2: ▼ | Total of All Projects ▼ | |
|---------------------|---------------------|---------------------|----------------------------|--|
| Total ► | \$ 92,472,067 | \$ - | \$ 92,472,067 | ◀ Total Spending in Region |
| Federal Funds ► | \$ 73,977,654 | | \$ 73,977,654 | ◀ Total Federal Spending in Region |
| Non-Federal Funds ► | \$ 18,494,413 | \$ - | \$ 18,494,413 | ◀ 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>