

2013 Boston MPO Transportation Improvement Program

Proposed Draft Amendment Five to the FFYs 2013-2016 TIP

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

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

► Section 1A / Federal Aid Target Projects

► STP - Surface Transportation Program

| | | | | | | | |
|----------------|---|---|--------|---------------|---------------|--------------|---|
| 607209 | SOMERVILLE- RECONSTRUCTION OF BEACON STREET, FROM OXFORD STREET TO CAMBRIDGE C.L. | 4 | STP | \$ 1,571,252 | \$ 1,257,002 | \$ 314,250 | STP+SAFETEA-LU Earmark Total Cost = \$4,158,466 |
| 602984 | CONCORD- LINCOLN- LIMITED ACCESS HIGHWAY IMPROVEMENTS AT ROUTE 2 & 2A, BETWEEN CROSBY'S CORNER & BEDFORD ROAD, INCLUDES C-19-024 | 4 | STP-AC | \$ 11,775,130 | \$ 9,420,104 | \$ 2,355,026 | AC Yr 3 of 4; STP+HSIP+CMAQ Total Cost = \$61,723,980 (\$22,471,587 programmed within FFYs 2013-16 TIP) |
| 601825 | DANVERS- RECONSTRUCTION OF LIBERTY STREET, FROM ROUTE 128 TO WATER/HIGH STREET INTERSECTION, INCLUDES D-03-004 & D-03-014 | 4 | STP | \$ 8,614,247 | \$ 6,891,398 | \$ 1,722,849 | cost increase; was \$7,128,052 |
| 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | STP-AC | \$ - | \$ - | \$ - | moved out to FFY 2015; was \$3,340,620 of STP in FFY 2013 |
| 605188 | CAMBRIDGE- COMMON IMPROVEMENTS AT WATERHOUSE STREET, MASS AVE & GARDEN STREET | 6 | TE | \$ 1,093,334 | \$ 874,667 | \$ 218,667 | Construction; TE+Statewide TE+SAFETEA-LU Earmark Total Cost = \$2,764,874 |
| 604687 | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L. | 4 | TE | \$ 474,668 | \$ 379,734 | \$ 94,934 | CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| STP Subtotal ► | | | | \$ 23,528,631 | \$ 18,822,905 | \$ 4,705,726 | ◀ 80% Federal + 20% Non-Federal |

► NHS - National Highway System

| | | | | | | | |
|----------------|---|---|--------|---------------|---------------|--------------|---------------------------------|
| 603711 | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | NHS-AC | \$ 28,167,058 | \$ 22,533,646 | \$ 5,633,412 | cost increase; was \$26,000,000 |
| NHS Subtotal ► | | | | \$ 28,167,058 | \$ 22,533,646 | \$ 5,633,412 | ◀ 80% Federal + 20% Non-Federal |

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

► **HSIP - Highway Safety Improvement Program**

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

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

| | | | | | | | |
|-----------------|---|-----|------|--------------|--------------|--------------|--|
| 604687 | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L. | 4 | CMAQ | \$ 2,978,340 | \$ 2,382,672 | \$ 595,668 | CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| 602094 | LYNN- RECONSTRUCTION OF ROUTE 129 (BROADWAY), FROM WYOMA SQUARE TO BOSTON STREET | 4 | CMAQ | \$ 5,531,280 | \$ 4,425,024 | \$ 1,106,256 | cost increase; was \$5,273,913 |
| 456661 | CLEAN AIR AND MOBILITY | N/A | CMAQ | \$ 253,010 | \$ 202,408 | \$ 50,602 | |
| 606885 | Arlington- Bikeway Connection at Intersection Route 3 and Route 60 | 4 | CMAQ | \$ - | \$ - | \$ - | moved out to FFY 2014; was \$570,000 |
| 456661 | Brookline- Bike Share, Year 2 | | CMAQ | \$ 95,732 | \$ 76,586 | \$ 19,146 | |
| 456661 | Cambridge- Bike Share, Year 3 | | CMAQ | \$ 157,278 | \$ 125,822 | \$ 31,456 | |
| CMAQ Subtotal ► | | | | \$ 8,762,630 | \$ 7,010,104 | \$ 1,752,526 | ◀ 80% Federal + 20% Non-Federal |

► **Section 1A / Fiscal Constraint Analysis**

| | | | | | |
|---|---------------|---------------|----------------|-----------------|------------------------|
| Total Federal Aid Target Funds Programmed ► | \$ 65,755,029 | \$ 65,755,029 | ◀ Total Target | \$ - | Target Funds Available |
| Total STP Programmed ► | \$ 23,528,631 | \$ 52,864,898 | ◀ Max. STP | \$ 29,336,267 | STP Available |
| Total NHS Programmed ► | \$ 28,167,058 | \$ - | ◀ Min. NHS | \$ (28,167,058) | NHS funds are from STP |
| Total HSIP Programmed ► | \$ 5,296,710 | \$ 4,296,710 | ◀ Min. HSIP | \$ (1,000,000) | HSIP Minimum Met |
| Total CMAQ Programmed ► | \$ 8,762,630 | \$ 8,593,421 | ◀ Min. CMAQ | \$ (169,209) | CMAQ Minimum Met |

► **Section 1B / Federal Aid Bridge Projects**

| | | | | | | | |
|--------|--|---|--------|---------------|--------------|--------------|---------------------------------|
| 607110 | BEDFORD- BRIDGE PRESERVATION, SR 4 (GREAT ROAD) OVER THE SHAWSHEN RIVER | 4 | BR-Off | \$ - | \$ - | \$ - | removed from TIP; was \$586,250 |
| 606448 | BOSTON- DECK PATCHING & SUPERSTRUCTURE REPAIRS ON B-16-365 (BOWKER OVERPASS) | 6 | BR-On | \$ 10,800,110 | \$ 8,640,088 | \$ 2,160,022 | |
| 607111 | CONCORD- BRIDGE PRESERVATION, OLD STOW ROAD OVER MBTA & BM RAILROAD | 4 | BR-Off | \$ 825,000 | \$ 660,000 | \$ 165,000 | |
| 605774 | HOPKINTON- BRIDGE BETTERMENT, H-23-012, I-90 RAMP OVER I-495 | 3 | BR-On | \$ 5,341,960 | \$ 4,273,568 | \$ 1,068,392 | |

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|--|---|--------------------|------------------|--------------------------|-----------------|---------------------|---|
| ► Federal Aid Bridge Projects (continued) | | | | | | | |
| 603711 | NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027 & W-13-023 (ADD-A-LANE - CONTRACT V) | 6 | BR-AC | \$ 2,000,000 | \$ 1,600,000 | \$ 400,000 | AC Yr 1 of 5; NHS+BR Total Cost = \$127,500,000 (\$120,000,000 programmed within FFYs 2013-16 TIP; AC Yr 5 of 5 will be programmed in FFY 2017) |
| 600703 | LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128) | 4 | BR-AC | \$ 1,800,000 | \$ 1,440,000 | \$ 360,000 | portion of 606170 was added to project; AC Yr 1 of 3; Total Cost = \$43,584,017 |
| BR Subtotal ► | | | | \$ 20,767,070 | \$ 16,613,656 | \$ 4,153,414 | ◀ 80% Federal + 20% Non-Federal |

► Section 1C / Federal Aid Non-Target Projects

► Earmarks

| | | | | | | | |
|--------|---|---|------------|--------------|--------------|--------------|--|
| 606209 | FRAMINGHAM- RECONSTRUCTION OF ROUTE 126 (CONCORD STREET) | 3 | HPP (1998) | \$ 3,983,545 | \$ 3,186,836 | \$ 796,709 | Construction; HPP 684; TEA-21 Earmark+Section 129 Earmark+Local Funds Total Cost = \$8,347,738 |
| 601630 | WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REHAB OF W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA) | 6 | HPP (1998) | \$ - | \$ - | \$ - | moved out to FFY 2015; was \$7,999,380 of HPP (1998) in FFY 2013 |
| 604687 | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L. | 4 | HPP (2005) | \$ 1,455,400 | \$ 1,164,320 | \$ 291,080 | Construction; CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| 606889 | BOSTON- IMPROVEMENTS TO GAINSBOROUGH AND ST. BOTOLPH STS. | 6 | HPP (2005) | \$ 500,000 | \$ 400,000 | \$ 100,000 | Design; HPP 2012; Local Match |
| 606226 | BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE | 6 | HPP (2005) | \$ 1,124,874 | \$ 899,899 | \$ 224,975 | Design; HPP 3568; Local Match |
| 605188 | CAMBRIDGE- COMMON IMPROVEMENTS AT WATERHOUSE STREET, MASS AVE & GARDEN STREET | 6 | HPP (2005) | \$ 1,124,874 | \$ 899,899 | \$ 224,975 | Construction; TE+Statewide TE+SAFETEA-LU Earmark Total Cost = \$2,764,874 |
| 604988 | FRANKLIN- RECONSTRUCTION OF ROUTE 140, MAIN STREET & EMMONS STREET (DOWNTOWN ENHANCEMENTS) | 3 | HPP (2005) | \$ 5,754,819 | \$ 4,603,855 | \$ 1,150,964 | Construction; HPP 4279 |
| 606235 | QUINCY- ADAMS GREEN TRANSPORTATION IMPROVEMENTS | 6 | HPP (2005) | \$ 6,711,062 | \$ 5,368,850 | \$ 1,342,212 | Construction; HPP 4272 |
| 607209 | SOMERVILLE- RECONSTRUCTION OF BEACON STREET, FROM OXFORD STREET TO CAMBRIDGE C.L. | 4 | HPP (2005) | \$ 2,587,214 | \$ 2,069,771 | \$ 517,443 | Construction; HPP 431; STP+SAFETEA-LU Earmark Total Cost = \$4,158,466 |

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| ► Earmarks (continued) | | | | | | | |
| 604687 | ARLINGTON- RECONSTRUCTION OF MASSACHUSETTS AVENUE, FROM POND LANE TO THE CAMBRIDGE C.L. | 4 | \$ 129 (2008) | \$ 735,000 | \$ 735,000 | \$ - | Construction; CMAQ+TE+Statewide TE+SAFETEA-LU Earmark+Section 129 Earmark Total Cost = \$5,880,740 |
| 606209 | FRAMINGHAM- RECONSTRUCTION OF ROUTE 126 (CONCORD STREET) | 3 | \$ 129 (2008) | \$ 490,000 | \$ 490,000 | \$ - | Construction; TEA-21 Earmark+Section 129 Earmark+Local Funds Total Cost = \$8,347,738 |
| 606226 | BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN | 6 | TI (2005) | \$ 3,000,000 | \$ 2,400,000 | \$ 600,000 | Design; HPP TI 174; Local Match |
| 604361 | BOSTON- CAMBRIDGE- BRIDGE REHABILITATION, B-16-009=C-01-002, CAMBRIDGE STREET OVER THE CHARLES RIVER (LONGFELLOW BRIDGE) | 6 | \$ 112 (2006) | \$ 693,000 | \$ 693,000 | \$ - | |
| MBTA | WACHUSETT COMMUTER RAIL EXTENSION | | REF | \$ 408,179 | \$ 408,179 | \$ - | Repurposed Earmark Funding |
| MBTA | WACHUSETT COMMUTER RAIL EXTENSION | | REF | \$ 983,928 | \$ 983,928 | \$ - | Repurposed Earmark Funding |
| MBTA | WACHUSETT COMMUTER RAIL EXTENSION | | REF | \$ 495,000 | \$ 495,000 | \$ - | Repurposed Earmark Funding |
| N/A | BOSTON INNER HARBOR FERRY SERVICE | | FBD | \$ 1,600,000 | \$ 1,280,000 | \$ 320,000 | Ferry Boat Discretionary (FBD) Program; City of Boston Match; previously programmed in FFY 2012 |
| N/A | WATERTOWN BIKE PATH, PHASE II ROW ACQUISITION | | HPP (1998) | \$ 599,856 | \$ 479,885 | \$ 119,971 | ROW Acquisition; HPP 1400; TEA-21 (HPP 1400)+TEA-21 (HPP 1424) + City of Cambridge (\$200,000) + DCR (\$819,787) Total Cost = \$1,500,000 |
| N/A | WATERTOWN BIKE PATH, PHASE II ROW ACQUISITION | | HPP (1998) | \$ 409 | \$ 327 | \$ 82 | ROW Acquisition; HPP 1424; TEA-21 (HPP 1400)+TEA-21 (HPP 1424) + City of Cambridge (\$200,000) + DCR (\$819,787) Total Cost = \$1,500,000 |
| N/A | FAIRMOUNT CORRIDOR BUSINESS DEVELOPMENT AND RIDERSHIP INITIATIVE | | TCSP | \$ 440,625 | \$ 352,500 | \$ 88,125 | Transportation, Community and System Preservation Program (TCSP); State Match |
| N/A | KENDALL SQUARE EMPLOYER TRANSPORTATION BENEFIT PRICING TRIAL | | VPPP | \$ 929,840 | \$ 743,872 | \$ 185,968 | Value Pricing Pilot Program (VPPP); MIT Match |
| Earmarks Subtotal ► | | | | \$ 33,617,624 | \$ 27,655,121 | \$ 5,962,503 | ◄ Funding Split Varies by Earmark |

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

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

► IM - Interstate Maintenance

| | | | | | | | |
|---------------|---|---|----|---------------|---------------|--------------|---|
| 607179 | FRANKLIN- INTERSTATE MAINTENANCE & RELATED WORK ON I-495 | 3 | IM | \$ 5,927,376 | \$ 5,334,638 | \$ 592,738 | cost increase; was \$5,154,240 |
| 605596 | FOXBOROUGH- INTERSTATE MAINTENANCE & RELATED WORK ON I-95 | 5 | IM | \$ 9,440,000 | \$ 8,496,000 | \$ 944,000 | |
| 606170 | LEXINGTON- BURLINGTON- INTERSTATE MAINTENANCE & RELATED WORK ON I-95 | 4 | IM | \$ 28,893,750 | \$ 26,004,375 | \$ 2,889,375 | cost decrease (portion of project to be incorporated into 600703); was \$33,205,200 |
| 605597 | LYNNFIELD- WAKEFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-95 | 4 | IM | \$ 12,685,000 | \$ 11,416,500 | \$ 1,268,500 | |
| 604879 | WILMINGTON- WOBURN- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-93 | 4 | IM | \$ 15,417,841 | \$ 13,876,057 | \$ 1,541,784 | cost increase; was \$14,480,960 |
| IM Subtotal ► | | | | \$ 72,363,967 | \$ 65,127,570 | \$ 7,236,397 | ◀ 90% Federal + 10% Non-Federal |

► NHSPP - National Highway System Preservation Program

| | | | | | | | |
|----------------|--|---|-----|--------------|--------------|--------------|---------------------------------|
| 606502 | WEYMOUTH- RESURFACING & RELATED WORK ON ROUTE 3 | 6 | NHS | \$ 3,552,640 | \$ 2,842,112 | \$ 710,528 | |
| 606126 | MIDDLETON- RESURFACING & RELATED WORK ON ROUTE 114 | 4 | NHS | \$ 1,769,976 | \$ 1,415,981 | \$ 353,995 | |
| NHS Subtotal ► | | | | \$ 5,322,616 | \$ 4,258,093 | \$ 1,064,523 | ◀ 80% Federal + 20% Non-Federal |

► SRTS - Safe Routes to School Program

| | | | | | | | |
|-----------------|---|---|------|--------------|--------------|------|------------------------------|
| 606521 | BRAINTREE- SAFE ROUTES TO SCHOOL (ROSS ELEMENTARY SCHOOL) | 6 | SRTS | \$ 677,726 | \$ 677,726 | \$ - | cost increase; was \$553,000 |
| 606516 | WAKEFIELD- SAFE ROUTES TO SCHOOLS (DOLBEARE SCHOOL) | 4 | SRTS | \$ 521,259 | \$ 521,259 | \$ - | cost increase; was \$513,000 |
| SRTS Subtotal ► | | | | \$ 1,198,985 | \$ 1,198,985 | \$ - | ◀ 100% Federal |

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

► Statewide Infrastructure Program

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

► Statewide ITS - Statewide Intelligent Transportation Systems Program

| | | | | | | | |
|--------------------------|---|---|---------------|---------------|--------------|--------------|--|
| 606432 | BURLINGTON- WOBURN- READING- EXPANSION OF FIBER, CCTV, VMS & TRAFFIC SENSOR NETWORK ON I-95 | 4 | Statewide ITS | \$ - | \$ - | \$ - | moved out to FFY 2014; was \$4,000,000 |
| 606283 | HOPKINTON TO ANDOVER- INSTALLATION OF CAMERAS, MESSAGE SIGNS & COMMUNICATION INFRASTRUCTURE ON I-495 (DESIGN/BUILD ITS) | 3 | Statewide ITS | \$ 8,000,000 | \$ 6,400,000 | \$ 1,600,000 | cost increase; was \$6,000,000 |
| 606497 | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE TOW TRUCK SERVICES | 6 | Statewide ITS | \$ - | \$ - | \$ - | combined with 606498: HOV Lane Barrier Transfer Vehicle (BTV) Operator Contract; was \$550,000 |
| 606498 | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE BARRIER TRANSFER VEHICLE (BTV) OPERATOR CONTRACT | 6 | Statewide ITS | \$ 1,550,000 | \$ 1,240,000 | \$ 310,000 | combined with 606497: HOV Lane Tow Truck Services; was \$1,000,000 |
| 606422 | BRAINTREE- QUINCY- MILTON- BOSTON- HOV LANE OPERATING EXPENSES | 6 | Statewide ITS | \$ 500,000 | \$ 400,000 | \$ 100,000 | |
| Statewide ITS Subtotal ► | | | | \$ 10,050,000 | \$ 8,040,000 | \$ 2,010,000 | ◀ 80% Federal + 20% Non-Federal |

► Statewide CMAQ - Statewide Congestion Mitigation and Air Quality Program

| | | | | | | | |
|---------------------------|---|-----|----------------|---------------|---------------|---------------|--|
| MBTA | MBTA - Procurement of 10 Option Locomotives | N/A | Statewide CMAQ | \$ 53,850,000 | \$ 43,080,000 | \$ 10,770,000 | MBTA will provide the 20% match |
| 604688 | BELMONT- WATERTOWN- RECONSTRUCTION ON TRAPELO ROAD & BELMONT STREET | 4 | Statewide CMAQ | \$ 2,231,376 | \$ 1,785,101 | \$ 446,275 | FFY 2012 Funding (\$16,471,337) + Statewide CMAQ Total Cost = \$18,702,713; will be readvertised in FFY 2013 |
| Statewide CMAQ Subtotal ► | | | | \$ 56,081,376 | \$ 44,865,101 | \$ 11,216,275 | ◀ 80% Federal + 20% Non-Federal |

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| ► Statewide TE - Statewide Transportation Enhancement Program | | | | | | | |
| 602514 | BEVERLY- CONSTRUCTION OF A WALKWAY ON BEVERLY HARBORFRONT | 4 | Statewide TE | \$ - | \$ - | \$ - | combined with 605121: SALEM- CAUSEWAY PARK CONSTRUCTION; was \$570,665 |
| 606137 | FRAMINGHAM- BIKE PATH CONSTRUCTION & IMPROVEMENTS ON COCHITUATE RAIL TRAIL, FROM SCHOOL STREET TO ROUTE 30 | 3 | Statewide TE | \$ 801,602 | \$ 641,282 | \$ 160,320 | cost increase; was \$792,731 |
| 605121 | BEVERLY- SALEM- HARBORFRONT WALKWAY & CAUSEWAY PARK CONSTRUCTION | 4 | Statewide TE | \$ 2,232,634 | \$ 1,786,107 | \$ 446,527 | combined with 602514: BEVERLY- CONSTRUCTION OF A WALKWAY ON BEVERLY HARBORFRONT; was \$2,012,315 (\$1,441,650+\$570,665) |
| Statewide TE Subtotal ► | | | | \$ 3,034,236 | \$ 2,427,389 | \$ 606,847 | ◀ 80% Federal + 20% Non-Federal |
| ► Statewide HSIP - Statewide Highway Safety Improvement Program | | | | | | | |
| No Projects Programmed | | | | \$ - | \$ - | \$ - | |
| Statewide HSIP Subtotal ► | | | | \$ - | \$ - | \$ - | ◀ Funding Split Varies by Project Specifications |
| ► Other | | | | | | | |
| N/A | CENTRAL ARTERY/TUNNEL PROJECT- NATIONAL HIGHWAY SYSTEM | N/A | Other | \$ 50,295,000 | \$ - | \$ - | |
| N/A | CENTRAL ARTERY/TUNNEL PROJECT- STATE TRANSPORTATION PROGRAM/FLEX | N/A | Other | \$ 70,710,000 | \$ - | \$ - | |
| N/A | CENTRAL ARTERY/TUNNEL PROJECT- STATE TRANSPORTATION PROGRAM | N/A | Other | \$ 20,000,000 | \$ - | \$ - | |
| Other Subtotal ► | | | | \$ 141,005,000 | \$ - | \$ - | ◀ Funding Split Varies by Funding Source |

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

► Section 2A / Non-Federal Projects

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

► Section 2B / Non-Federal Bridge Projects

| | | | | | | | |
|--|--|---|----------|---------------|--|------|---|
| 603654 | BOSTON- BRIDGE REPLACEMENT, B-16-163, MORTON STREET OVER THE MBTA & CSX RAILROAD | 6 | ABP-GANS | \$ 10,574,787 | | \$ - | Total Construction Cost = \$10,692,912 (\$10,574,787 is identified as GANs funding [federal and state match] and \$118,125 is additional state funding) |
| 604660 | EVERETT- MEDFORD- BRIDGE REPLACEMENTS, REVERE BEACH PARKWAY (ROUTE 16), E-12-004=M-12-018 OVER THE MALDEN RIVER (WOODS MEMORIAL BRIDGE) & M-12-017 OVER MBTA AND RIVERS EDGE DRIVE | 4 | ABP-GANS | \$ 63,898,554 | | \$ - | Total Construction Cost = \$64,528,554 (\$63,898,554 is identified as GANs funding [federal and state match] and \$630,000 is additional state funding) |
| 603710 | FRAMINGHAM- BRIDGE REPLACEMENT, F-07-015, WINTER STREET OVER MBTA, AMTRAK, & CSX RAILROAD | 3 | ABP-GANS | \$ 12,420,611 | | \$ - | Total Construction Cost = \$12,420,611 |
| 605528 | REVERE- BRIDGE REPLACEMENT, R-05-001, REVERE BEACH PARKWAY OVER MBTA (WINTHROP AVENUE) | 4 | ABP-GANS | \$ 9,120,896 | | \$ - | Total Construction Cost = \$9,120,896 |
| Non-Federal Bridge Projects Subtotal ► | | | | \$ 96,014,848 | | \$ - | ◀100% Non-Federal |

2013 Boston MPO Transportation Improvement Program

Proposed Draft Amendment Five to the FFYs 2013-2016 TIP

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

2013 Boston MPO TIP Summary - Highway

| | TIP Section 1: ▼ | TIP Section 2: ▼ | Total of All Projects ▼ | |
|---------------------|------------------|------------------|-------------------------|--|
| Total ▶ | \$ 271,774,901 | \$ 96,014,848 | \$ 367,789,749 | ◀ Total Spending in Region |
| Federal Funds ▶ | \$ 226,186,807 | | \$ 226,186,807 | ◀ Total Federal Spending in Region |
| Non-Federal Funds ▶ | \$ 45,588,094 | \$ 96,014,848 | \$ 141,602,942 | ◀ Total Non-Federal Spending in Region |

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

2013 Boston MPO Transportation Improvement Program

Proposed Draft Amendment Five
to the FFYs 2013-2016 TIP

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

- 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

► Section 3 / Transit Operating - Section 5307

| | | | | | | | | | |
|------|---|------|---------------|--|--|---------------|----------------|-----------|--|
| MBTA | POWER PROGRAM | 5307 | \$ - | | | \$ - | \$ - | | removed; was \$59,084,408 |
| MBTA | REVENUE VEHICLES (RED AND ORANGE LINE - NEW VEHICLE PROCUREMENT) | 5307 | \$ 16,000,000 | | | \$ 4,000,000 | \$ 20,000,000 | | |
| MBTA | SIGNALS (RED LINE SIGNAL UPGRADE) | 5307 | \$ 8,000,000 | | | \$ 2,000,000 | \$ 10,000,000 | | |
| MBTA | BRIDGES AND TUNNELS (RED LINE LEAK REPAIRS) | 5307 | \$ 20,317,216 | | | \$ 5,079,304 | \$ 25,396,520 | | |
| MBTA | SYSTEMS UPGRADES | 5307 | \$ 6,198,310 | | | \$ 1,549,578 | \$ 7,747,888 | | was \$10,982,583 |
| MBTA | STATIONS (ACCESSIBILITY) - GOVERNMENT CENTER | 5307 | \$ 53,492,698 | | | \$ 13,373,175 | \$ 66,865,873 | | was \$40,951,335 |
| MBTA | STATIONS (ACCESSIBILITY) - STATE STREET | 5307 | \$ 17,197,512 | | | \$ 4,299,378 | \$ 21,496,890 | | |
| MBTA | FACILITIES (YARDS, SHOPS, PARKING, ETC.) - PARKING SYSTEMS IMPROVEMENTS | 5307 | \$ 8,500,000 | | | \$ 2,125,000 | \$ 10,625,000 | | now funded with Section 5337; Section 5309 discontinued at the end of FFY 2012; was \$18,750,000 |
| MBTA | PREVENTATIVE MAINTENANCE | 5307 | \$ 12,000,000 | | | \$ 3,000,000 | \$ 15,000,000 | | |
| MBTA | REVENUE VEHICLES (193 ECD BUSES - OVERHAUL) | 5307 | \$ 32,399,405 | | | \$ 8,099,851 | \$ 40,499,256 | YES, 2012 | |
| MBTA | STATIONS (ACCESSIBILITY) - STATIONS (ELEVATOR/ESCALATOR PROGRAM) | 5307 | \$ 14,400,000 | | | \$ 3,600,000 | \$ 18,000,000 | YES, 2012 | was \$27,500,000 |
| MBTA | SYSTEMS UPGRADES | 5307 | \$ 3,261,463 | | | \$ 815,366 | \$ 4,076,829 | YES, 2012 | was \$2,015,959 |
| MBTA | REVENUE VEHICLES (75 HYUNDAI ROTEM COACHES - | 5307 | \$ 95,487,128 | | | \$ 23,871,782 | \$ 119,358,910 | YES, 2010 | |
| MBTA | POWER PROGRAM | 5307 | \$ 60,000,000 | | | \$ 15,000,000 | \$ 75,000,000 | YES, 2011 | |

2013 Boston MPO Transportation Improvement Program

Proposed Draft Amendment Five
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| Regional Transit Authority | Project Description ▼ | Federal Funds Source | Federal Amount ▼ | State Funds Source ▼ | State Amount ▼ | RTA Funds ▼ | Total Cost ▼ | Carryover and Year ▼ | Additional Information ▼ |
|----------------------------------|---|----------------------|-----------------------|----------------------|-------------------|-----------------------|-----------------------|----------------------|--------------------------------|
| ► Section 3 (continued) | | | | | | | | | |
| MBTA | FACILITIES (YARDS, SHOPS, PARKING, ETC.) - SCIENCE PARK | 5307 | \$ 17,600,000 | | | \$ 4,400,000 | \$ 22,000,000 | YES, 2011 | |
| MBTA | STATIONS (ACCESSIBILITY) - STATION IMPROVEMENTS | 5307 | \$ 26,378,210 | | | \$ 6,594,553 | \$ 32,972,763 | YES, 2009 & 2010 | combined into Super Grant 5307 |
| MBTA | STATIONS (ACCESSIBILITY) - ORIENT HEIGHTS STATION | 5307 | \$ 30,763,964 | | | \$ 7,690,991 | \$ 38,454,955 | YES, 2011 | |
| MBTA | SYSTEMS UPGRADES (SYSTEMS UPGRADES) | 5307 | \$ 807,254 | | | \$ 201,814 | \$ 1,009,068 | YES, 2011 | combined into Super Grant 5307 |
| CATA | CAPE ANN TRANSPORTATION AUTHORITY | | \$ - | | \$ 206,000 | | \$ 206,000 | | |
| | Preventative Maintenance | 5307 | \$ - | | \$ - | | \$ - | | was \$375,000 |
| | 29' Bus Rolling Stock (4) | 5307 | \$ - | | \$ - | | \$ - | | was \$420,000 |
| | Rehabilitation/Renovation of Maintenance Facility | | \$ - | | \$ 206,000 | | \$ 206,000 | | Total cost covered by RTACAP |
| MWRTA | METROWEST REGIONAL TRANSIT AUTHORITY | 5307 | \$ 1,668,698 | | \$ 467,175 | | \$ 2,135,873 | | |
| | Paratransit | 5307 | \$ 1,300,000 | | \$ 325,000 | | \$ 1,625,000 | | |
| | Equipment and Facilities | 5307 | \$ 368,698 | | \$ 92,175 | | \$ 460,873 | | |
| | Equipment and Facilities - Call Center Study | 5307 | \$ - | | \$ 50,000 | | \$ 50,000 | | |
| Transit Operating Total ► | | | \$ 424,471,859 | | \$ 673,175 | \$ 105,700,790 | \$ 530,845,824 | | |

► Section 4 / Transit Capital - Section 5309

| | | | | | | | | | |
|------|--|------|---------------|--|--|---------------|---------------|--|---|
| MBTA | STATIONS (ACCESSIBILITY) - GOVERNMENT CENTER | 5309 | \$ 42,274,867 | | | \$ 10,568,717 | \$ 52,843,584 | | now funded with Section 5337; Section 5309 discontinued at the end of FFY 2012 |
| MBTA | SYSTEMS UPGRADES | 5309 | \$ 3,760,000 | | | \$ 940,000 | \$ 4,700,000 | | now funded with Section 5337; Section 5309 discontinued at the end of FFY 2012; was \$4,633,794 |
| MBTA | BRIDGES AND TUNNELS | 5309 | \$ 48,000,000 | | | \$ 12,000,000 | \$ 60,000,000 | | now funded with Section 5337; Section 5309 discontinued at the end of FFY 2012 |
| MBTA | REVENUE VEHICLES (GREEN LINE #8 UPGRADES) | 5337 | \$ 9,400,000 | | | \$ 2,350,000 | \$ 11,750,000 | | funded with Section 5337 |

2013 Boston MPO Transportation Improvement Program

Proposed Draft Amendment Five
to the FFYs 2013-2016 TIP

| Regional Transit Authority | Project Description ▼ | Federal Funds Source | Federal Amount ▼ | State Funds Source ▼ | State Amount ▼ | RTA Funds ▼ | Total Cost ▼ | Carryover and Year ▼ | Additional Information ▼ |
|--------------------------------|--|----------------------|-----------------------|--------------------------|-------------------|----------------------|-----------------------|------------------------|--|
| ► Section 4 (continued) | | | | | | | | | |
| MBTA | TRACK/RIGHT-OF-WAY (RED LINE FLOATING SLAB) | 5337 | \$ 7,599,443 | | | \$ 1,899,861 | \$ 9,499,304 | | funded with Section 5337 |
| MBTA | SYSTEMS UPGRADES | 5339 | \$ 5,202,388 | | | \$ 1,300,597 | \$ 6,502,985 | | funded with Section 5339 |
| MBTA | REVENUE VEHICLES (74 KAWASAKI COACHES - OVERHAUL) | 5309 | \$ 93,739,299 | | | \$ 23,434,825 | \$ 117,174,124 | YES, 2012 | |
| MBTA | SYSTEM UPGRADES | 5309 | \$ 375,357 | | | \$ 93,839 | \$ 469,196 | YES, 2012 | was \$303,254 |
| MBTA | SIGNALS (COLUMBIA JUNCTION - SIGNAL IMPROVEMENTS) | 5309 | \$ 41,600,000 | | | \$ 10,400,000 | \$ 52,000,000 | YES, 2011 | |
| MBTA | POWER PROGRAM | 5309 | \$ 60,000,000 | | | \$ 15,000,000 | \$ 75,000,000 | YES, 2009, 2010 & 2011 | |
| MBTA | FACILITIES (YARDS, SHOPS, PARKING, ETC.) - VARIOUS FACILITIES UPGRADES INCLUDING EVERETT | 5309 | \$ 14,035,441 | | | \$ 3,508,860 | \$ 17,544,301 | YES, 2011 | |
| MBTA | SYSTEM UPGRADES | 5309 | \$ 17,134,892 | | | \$ 4,283,723 | \$ 21,418,615 | YES, 2011 | |
| | BOSTON- COMMONWEALTH AVE/KENMORE SQ. ROADWAY AND PEDESTRIAN IMPROVEMENTS | 5309 | \$ 2,708,000 | | | \$ 677,000 | \$ 3,385,000 | YES, 2011 | Earmark transferred from FHWA to FTA, was HPP 682 |
| | BEVERLY/SALEM INTERMODAL | | \$ 1,100,000 | | | | \$ 1,100,000 | YES, 2004 | Section 115 earmark transferred from FHWA to FTA |
| | FERRY - MBTA FERRY SYSTEM | | \$ 2,500,000 | | | \$ 625,000 | \$ 3,125,000 | YES, 2011 | |
| | FERRY - MBTA FERRY SYSTEM | | \$ 2,500,000 | | | \$ 625,000 | \$ 3,125,000 | YES, 2012 | |
| MBTA | SYSTEMWIDE- MERRIMACK RIVER BRIDGE | TIGER | \$ 10,000,000 | | | \$ 2,500,000 | \$ 12,500,000 | | |
| MWRTA | PARATRANSIT CALL CENTER | VTCLI | \$ 1,025,000 | RTA Capital | \$25,000 | | \$ 1,050,000 | | Veterans Transportation Community Living Initiative (VTCLI) grant; Match includes \$231,250 (toll credits) and \$25,000 (RTACAP) |
| | | | | Toll Development Credits | \$231,250 | | | | |
| CATA | Purchase - Communications/Hardware/Software | VTCLI | \$ 289,080 | Toll Development Credits | \$ 72,270 | | \$ 289,080 | | Veterans Transportation Community Living Initiative (VTCLI) grant; Match is \$72,270 (toll |
| Transit Capital Total ► | | | \$ 363,243,767 | | \$ 328,520 | \$ 90,207,422 | \$ 453,476,189 | | |

2013 Boston MPO Transportation Improvement Program

Proposed Draft Amendment Five
to the FFYs 2013-2016 TIP

| Regional Transit Authority | Project Description ▼ | Federal Funds Source | Federal Amount ▼ | State Funds Source ▼ | State Amount ▼ | RTA Funds ▼ | Total Cost ▼ | Carryover and Year ▼ | Additional Information ▼ |
|---|--|----------------------|---------------------|----------------------|------------------|-------------------|---------------------|----------------------|---|
| ► Section 5 / Job Access Reverse Commute (JARC) - Section 5316 and New Freedom (NF) - Section 5317 | | | | | | | | | |
| MWRTA | JARC Technology Grant | 5316 | \$ 464,000 | | \$ 66,000 | | \$ 530,000 | | previously awarded |
| MWRTA | Route 9 Extended Service | 5316 | \$ 300,000 | | | \$ 262,500 | \$ 562,500 | | \$500,000 (Operating), \$62,500 (Capital) |
| | North Shore Career Center (NSCC) - Mobility Management and Employment Express Service | 5316 | \$ 263,790 | | | \$ 202,665 | \$ 466,455 | | \$364,580 (Operating), \$101,875 (Capital) |
| | Acton - LRTA Road Runner | 5317 | \$ 26,000 | | | \$ 26,000 | \$ 52,000 | | Operating |
| | Friendship Home - Wheels to Work | 5317 | \$ 25,500 | | | \$ 25,500 | \$ 51,000 | | Operating |
| | Greater Lynn Senior Services (GLSS) - Reaching Beyond Borders: GLSS Mobility Links Project | 5317 | \$ 169,764 | | | \$ 169,764 | \$ 339,528 | | Operating |
| MBTA | Paratransit Customers Program | 5317 | \$ 115,429 | | | \$ 28,857 | \$ 144,286 | | Capital |
| | North Shore Career Center (NSCC) - Mobility Management and Employment Express Service | 5317 | \$ 263,790 | | | \$ 202,665 | \$ 466,455 | | \$364,580 (Operating), \$101,875 (Capital) |
| JARC and NF Total ► | | | \$ 1,628,273 | | \$ 66,000 | \$ 917,951 | \$ 2,612,224 | | |

2013 Boston MPO TIP Summary - Transit

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

| | | | | |
|----------------|----------------|--------------|----------------|--|
| \$ 530,845,824 | \$ 453,779,709 | \$ 2,612,224 | \$ 987,237,757 | ◀ Total Spending in Region |
| \$ 424,471,859 | \$ 363,243,767 | \$ 1,628,273 | \$ 789,343,899 | ◀ Total Federal Spending in Region |
| \$ 106,373,965 | \$ 90,535,942 | \$ 983,951 | \$ 197,893,858 | ◀ Total Non-Federal Spending in Region |