

2015 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Action on 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:Add Funding Source	<u>607174</u>	CHELSEA- REVERE- RESURFACING & RELATED WORK ON ROUTE 1	4	TAP	\$ 324,434	259,547	64,887	Stormwater retrofits components of 607174 now funded under TAP; NHPP+TAP Total Cost = \$10,815,386
AMENDMENT:Add Funding Source	<u>607891</u>	BEVERLY - RESURFACING & RELATED WORK ON ROUTE 128	4	TAP	\$ 219,420	175,536	43,884	Stormwater retrofits components of 607891 now funded under TAP; NHPP+TAP Total Cost = \$5,938,411
AMENDMENT:Add Project	<u>608131</u>	DANVERS- MEDFORD- STORMWATER IMPROVEMENTS ALONG ROUTE 1/I-95/I-93	4	TAP	\$ 2,950,000	2,360,000	590,000	new addition
Statewide Stormwater Retrofits Subtotal ►					\$ 3,493,854	\$ 2,795,083	\$ 698,771	◀ 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								
		No Projects Programmed			\$ -	-	-	
Other Statewide Items Subtotal ►					\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Section 2A / Non-Federal Projects

► Non Federal Aid

	<u>606146</u>	CANTON- NORWOOD- WESTWOOD- RAMP CONSTRUCTION ON I-95 (NB) & IMPROVEMENTS ON CANTON STREET/DEDHAM STREET, INCLUDES REPLACEMENT OF C-02-034, REHAB OF C-02-024, C- 02-002=N-25-016=W-31-002 & 5 SIGNALIZED INTERSECTIONS	5/6	NFA	\$ 38,000,000		\$ 38,000,000	Non-federal aid
	<u>1568</u>	FAIRMOUNT IMPROVEMENTS	N/A	NFA	\$ 4,863,082		\$ 4,863,082	Lists cash flows (based on state fiscal year) for Fairmount Improvements
	<u>1572</u>	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 ►					\$ 52,863,082		\$ 52,863,082	◀ 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

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2015 Boston Region MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 148,988,716	\$ 52,863,082	\$ 201,851,798	◀ Total Spending in Region
Federal Funds ▶	\$ 120,196,952		\$ 120,196,952	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 28,791,764	\$ 52,863,082	\$ 81,654,846	◀ Total Non-Federal Spending in Region

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

2015 Boston Region MPO Transportation Improvement Program

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5307	MBTA	PREVENTIVE MAINTENANCE		\$ 12,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 15,000,000	
5307	MBTA	Government Center (Blue Line Modernization)		\$ 32,761,068	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,190,267	\$ 40,951,335	
5307	MBTA	Elevators/Escalators		\$ 25,924,448	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,481,112	\$ 32,405,560	
5307	CATA	BUY REPLACEMENT 30-FT BUS (1)		\$ 320,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	
5307	CATA	PREVENTIVE MAINTENANCE		\$ 193,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,347	\$ 241,738	
5307	CATA	ACQUIRE - MISC SUPPORT EQUIPMENT		\$ 16,700	\$ 4,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,876	
5307	MWRTA	TERMINAL, INTERMODAL (TRANSIT)		\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
5307	MWRTA	TERMINAL, INTERMODAL (TRANSIT)		\$ 262,791	\$ 156,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 418,971	amount reduced by \$170,225; was \$589,196
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	amount reduced by \$6,250; was \$31,250
5307	MWRTA	PURCHASE SIGNAGE		\$ 15,176	\$ 3,794	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,970	amount reduced by \$6,030; was \$25,000
5307	MWRTA	ACQUIRE - MOBILE SURV/SECURITY EQUIP		\$ 22,940	\$ 5,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,675	amount reduced by \$33,825; was \$62,500
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		\$ 3,524	\$ 881	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,405	amount reduced by \$95,595; was \$100,000
5307	MWRTA	NON FIXED ROUTE ADA PARA SERV		\$ 1,378,983	\$ -	\$ -	\$ -	\$ -	\$ 344,746	\$ -	\$ 1,723,729	amount increased by \$473,729; was \$1,250,000
5307	MWRTA	ACQUIRE - SUPPORT VEHICLES (2)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	removed from TIP; was \$50,000
5307 (5317 - SAFETEA-LU)	City of Salem (NSCC)	Mobility Management - Employment Express		\$ 91,784	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,946	\$ 114,730	
5307 (5317 - SAFETEA-LU)	City of Salem (NSCC)	Mobility Management - Employment Express (Grant 2)		\$ 53,559	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,390	\$ 66,949	
5307 (5317 - SAFETEA-LU)	City of Salem (NSCC)	Mobility Management - Operating Assistance		\$ 662,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 662,600	\$ 1,325,200	
5307 Subtotal ▶				\$ 73,746,964	\$ 260,766	\$ -	\$ -	\$ -	\$ 344,746	\$ 18,418,662	\$ 92,771,138	
5337	MBTA	Bridge & Tunnel Program		\$ 60,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000,000	\$ 75,000,000	
5337	MBTA	Stations - T-GAPS		\$ 40,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 50,000,000	
5337	MBTA	Systems Upgrades		\$ 21,190,546	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,297,637	\$ 26,488,183	
5337 Subtotal ▶				\$ 121,190,546	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,297,637	\$ 151,488,183	

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FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5339	MBTA	Systems Upgrades		\$ 5,287,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,321,757	\$ 6,608,784	
5339	MBTA	Rehab/Rebuild Spare Parts		\$ 460,800	\$ -	\$ -	\$ -	\$ 92,160	\$ -	\$ -	\$ 460,800	Funding awarded by MassDOT Rail and Transit Division
5339 Subtotal ►				\$ 5,747,827	\$ -	\$ -	\$ -	\$ 92,160	\$ -	\$ 1,321,757	\$ 7,069,584	
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	\$ 100,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,202,000	\$ 325,202,000	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 begin programming New Starts funding in FFY 2015 and assume \$100 million in New Starts funding in FFY 2015. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded. \$1,419,383,000 of the \$1,992,243,000 project cost is programmed in the FFYs 2015-18 TIP.
5309 Subtotal ►				\$ 100,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,202,000	\$ 325,202,000	

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FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5324	MBTA	Green Line Fenway Portal Flood Proofing	N/A	\$ 21,673,689	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,224,564	\$ 28,898,253	Grant award from FY 2013 Section 5324 - Public Transportation Emergency Relief Program (D2013-RSL-003). Local match to be funded with MBTA revenue bonds.
5324	MBTA	Charlestown Seawall Replacement	N/A	\$ 13,391,443	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,463,815	\$ 17,855,258	Grant award from FY 2013 Section 5324 - Public Transportation Emergency Relief Program (D2013-RSL-004). Local match to be funded with MBTA revenue bonds.
5324 Subtotal ▶				\$ 35,065,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,688,379	\$ 46,753,511	
SoGR		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Livability		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TIGER	MBTA	Ruggles Station Modernization	N/A	\$ 20,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 30,000,000	FY 2014 TIGER Grant award to MassDOT/MBTA for Ruggles Station modernization (new platform construction, state of good repair improvements, station enhancements).
Grants Subtotal ▶				\$ 20,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 30,000,000	
Other	MBTA	HEAVY RAIL CARS - Red/Orange Lines	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,130,340	\$ 82,130,340	Project is funded 100% with state funds.
Other	CATA	BUS REPLACEMENT <30 FT BUS (1)	N/A	\$ -	\$ 121,824	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 121,824	
Other Subtotal ▶				\$ -	\$ 121,824	\$ -	\$ -	\$ -	\$ -	\$ 82,130,340	\$ 82,252,164	
Total ▶				\$ 320,685,337	\$ 382,590	\$ -	\$ -	\$ 92,160	\$ 344,746	\$ 367,370,396	\$ 688,783,069	

Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 15 / 5307	\$ 73,746,964	\$ 136,921,963	\$ 63,174,999	Available	RTACAP	\$ 382,590	\$ 672,010	\$ 289,420	Available
FFY 15 / 5337	\$ 121,190,546	\$ 121,190,546	\$ -	Available	MAP	\$ -	\$ -	\$ -	Available
FFY 15 / 5339	\$ 5,747,827	\$ 5,747,827	\$ -	Available	ITCCAP	\$ -	\$ -	\$ -	Available
FFY 15 / 5310	\$ -	\$ -	\$ -	Available	SCA	\$ 344,746	\$ 3,234,526	\$ 2,889,780	Available
FFY 15 / 5309	\$ 100,000,000	\$ 100,000,000	\$ -	Available	TDC	\$ 92,160	\$ 344,746	\$ 252,586	Available
FFY 15 / 5324	\$ 35,065,132	\$ 35,065,132	\$ -	Available					

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- 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

► HSIP - Highway Safety Improvement Program

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	HSIP	\$ 1,000,000	\$ 900,000	\$ 100,000	AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 (\$53,453,518 programmed in FFYs 2015-18 TIP)
604810	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	HSIP	\$ 3,397,727	\$ 3,057,954	\$ 339,773	HSIP+CMAQ Total Cost = \$5,397,727; HSIP pending Road Safety Audit
HSIP Subtotal ►				\$ 4,397,727	\$ 3,957,954	\$ 439,773	◀ 90% Federal + 10% Non-Federal

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

1559	CLEAN AIR AND MOBILITY	N/A	CMAQ	\$ 374,850	\$ 299,880	\$ 74,970	
1569	GREEN LINE EXTENSION PROJECT (PHASE II), MEDFORD HILLSIDE (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 (\$78,000,000 programmed within FFYs 2015-18 TIP)
604810	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	CMAQ	\$ 2,000,000	\$ 1,600,000	\$ 400,000	HSIP+CMAQ Total Cost = \$5,397,727
605110	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	CMAQ	\$ 244,171	\$ 195,337	\$ 48,834	TAP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$5,591,009
CMAQ Subtotal ►				\$ 10,719,021	\$ 8,575,217	\$ 2,143,804	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

605110	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	TAP	\$ 4,346,838	\$ 3,477,470	\$ 869,368	TAP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$5,591,009
TAP Subtotal ►				\$ 4,346,838	\$ 3,477,470	\$ 869,368	◀ 80% Federal + 20% Non-Federal

► 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
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	NHPP	\$ 30,000,000	\$ 24,000,000	\$ 6,000,000	AC Yr 3 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$87,768,183 programmed within FFYs 2015-18 TIP)
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	\$ 3,800,000	\$ 3,040,000	\$ 760,000	AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 (\$53,453,518 programmed in FFYs 2015-18 TIP)
Non-CMAQ/HSIP/TAP (Other) Subtotal ►				\$ 55,491,442	\$ 44,393,154	\$ 11,098,288	◀ 80% Federal + 20% Non-Federal

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► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 74,955,028	\$ 75,009,821	◀ Total Target	\$ 54,793	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 55,491,442	\$ 52,939,052	◀ Max. Non-CMAQ/HSIP/TAP	\$ (2,552,390)	Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum
Total HSIP Programmed ►	\$ 4,397,727	\$ 4,296,710	◀ Min. HSIP	\$ (101,017)	HSIP Minimum Met
Total CMAQ Programmed ►	\$ 10,719,021	\$ 13,427,220	◀ Min. CMAQ	\$ 2,708,199	CMAQ Minimum Not Met
Total TAP Programmed ►	\$ 4,346,838	\$ 4,346,838	◀ Min. TAP	\$ -	TAP Minimum Met
Remaining HSIP, CMAQ, and TAP Funds \$ 2,607,182					

► 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

<u>600703</u>	LEXINGTON- BRIDGE REPLACEMENT, L-10-009, ROUTE 2 (EB & WB) OVER ROUTE I-95 (ROUTE 128)	4	NHPP	\$ 5,108,000	\$ 4,086,400	\$ 1,021,600	AC Yr 4 of 4; Total Cost = \$35,108,000
<u>600867</u>	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	6	NHPP	\$ 3,135,181	\$ 2,508,145	\$ 627,036	AC Yr 1 of 2; Total Cost = \$9,100,020
<u>604173</u>	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	\$ 5,000,000	\$ 4,000,000	\$ 1,000,000	AC Yr 1 of 5; Total Cost = \$85,000,000 (\$53,035,161 programmed within FFYs 2015-18 TIP)
<u>607685</u>	BRAINTREE- BRIDGE REHABILITATION, B-21-060 AND B-21-061, ST 3 (SB) AND ST 3 (NB) OVER RAMP C (QUINCY ADAMS)	6	NHPP	\$ 6,668,480	\$ 5,334,784	\$ 1,333,696	
<u>606553</u>	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	\$ 8,554,209	\$ 6,843,367	\$ 1,710,842	AC Yr 1 of 2; Total Cost = \$11,434,190
On System Subtotal ►				\$ 28,465,870	\$ 22,772,696	\$ 5,693,174	◀ 80% Federal + 20% Non-Federal

► Off-System

<u>607345</u>	COHASSET- SUPERSTRUCTURE REPLACEMENT & SUBSTRUCTURE REHABILITATION, C-17-002, ATLANTIC AVENUE OVER LITTLE HARBOR INLET	5	STP-BR-OFF	\$ 6,416,550	\$ 5,133,240	\$ 1,283,310	
Off-System Subtotal ►				\$ 6,416,550	\$ 5,133,240	\$ 1,283,310	◀ 80% Federal + 20% Non-Federal

► Statewide Bridge Inspection Program

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

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► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

	<u>601630</u>	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	\$ 8,600,000	\$ 6,880,000	\$ 1,720,000	AC Yr 1 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 (\$53,453,518 programmed in FFYs 2015-18 TIP)
	<u>605789</u>	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD (HPP 756 & 4284)	6	HPP	\$ 2,429,730	\$ 1,943,784	\$ 485,946	Construction; HPP 756 (MA126); SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost \$7,437,105
	<u>605789</u>	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD (HPP 756 & 4284)	6	HPP	\$ 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 ►					\$ 16,037,105	\$ 12,829,684	\$ 3,207,421	◀ Funding Split Varies by Funding Source

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

► Statewide Infrastructure Program

	<u>603917</u>	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	4	STP	\$ 15,000,000	\$ 12,000,000	\$ 3,000,000	AC Yr 1 of 2; Total Cost = \$17,500,000
	<u>605733</u>	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 Yr 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

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

► Statewide Safe Routes to Schools Program

	<u>607997</u>	SAUGUS- SAFE ROUTES TO SCHOOL (VETERANS MEMORIAL)	4	TAP	\$ 676,000	\$ 540,800	\$ 135,200	80% Federal + 20% Non-Federal
	<u>607998</u>	EVERETT- SAFE ROUTES TO SCHOOL (MADELAINE ENGLISH)	4	TAP	\$ 624,000	\$ 499,200	\$ 124,800	80% Federal + 20% Non-Federal
	<u>607999</u>	REVERE- SAFE ROUTES TO SCHOOL (GARFIELD ELEMENTARY & MIDDLE SCHOOL)	4	TAP	\$ 936,000	\$ 748,800	\$ 187,200	80% Federal + 20% Non-Federal
	<u>608000</u>	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 ►					\$ 3,016,000	\$ 2,412,800	\$ 603,200	◀ Funding Split Varies by Funding Source

2016 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Action on 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 CMAQ								
	601579	WAYLAND- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND ROUTE 30 (COMMONWEALTH ROAD)	3	CMAQ	\$ 1,931,854	\$ 1,545,483	\$ 386,371	
	602165	STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET	4	CMAQ	\$ 3,268,366	\$ 2,614,693	\$ 653,673	
	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	\$ 5,753,887	\$ 4,603,110	\$ 1,150,777	
	606316	BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET	6	CMAQ	\$ 1,847,452	\$ 1,477,962	\$ 369,490	
Statewide CMAQ ►					\$ 12,801,559	\$ 10,241,247	\$ 2,560,312	◀ 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								
	606176	FOXBOROUGH- PLAINVILLE- WRENTHAM- INTERSTATE MAINTENANCE & RELATED WORK ON I-495 (NB & SB)	5	NHPP	\$ 14,692,038	13,222,834	1,469,204	
Statewide Interstate Maintenance Program Subtotal ►					\$ 14,692,038	\$ 13,222,834	\$ 1,469,204	◀ 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
► Statewide ADA Implementation Plan								
		No Projects Programmed			\$ -	\$ -	\$ -	
Statewide ADA Implementation Plan Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Other Statewide Items								
		No Projects Programmed			\$ -	\$ -	\$ -	
Other Statewide Items Subtotal ►					\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

2016 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Action on 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 ▼
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► Section 2A / Non-Federal Projects

► Non Federal Aid

	<u>87790</u>	CANTON- DEDHAM- NORWOOD- WESTWOOD- INTERCHANGE IMPROVEMENTS AT I-95/I-93/ UNIVERSITY AVENUE/I-95 WIDENING	5/6	NFA	\$ 190,000,000		\$ 190,000,000	Non-federal aid
	<u>1572</u>	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 ►					\$ 219,000,000		\$ 219,000,000	◀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

2016 Boston Region MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 173,884,150	\$ 219,000,000	\$ 392,884,150	◀ Total Spending in Region
Federal Funds ►	\$ 141,016,297		\$ 141,016,297	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 32,867,854	\$ 219,000,000	\$ 251,867,854	◀ 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					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
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	BUY REPLACEMENT 30-FT BUS (1)		\$ 320,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	
5307	CATA	PREVENTIVE MAINTENANCE		\$ 193,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,347	\$ 241,738	
5307	CATA	ACQUIRE - MISC SUPPORT EQUIPMENT		\$ 22,001	\$ 5,501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,502	
5307	MWRTA	TERMINAL, INTERMODAL (TRANSIT)	2015	\$ 471,356	\$ 117,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 589,196	
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2015	\$ 80,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	
5307	MWRTA	ACQUIRE - MOBILE SURV/SECURITY EQUIP	2015	\$ 50,000	\$ 12,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,500	
5307	MWRTA	TERMINAL, INTERMODAL (TRANSIT)	2015	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
5307	MWRTA	PURCHASE SIGNAGE	2015	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
5307	MWRTA	NON FIXED ROUTE ADA PARA SERV	2015	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 1,250,000	
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2015	\$ 65,000	\$ 16,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,250	
5307 Subtotal ►				\$ 72,927,264	\$ 262,091	\$ -	\$ -	\$ -	\$ 250,000	\$ 17,719,726	\$ 91,159,081	
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 ►				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

2016 Boston Region MPO Transportation Improvement Program

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5309	MBTA	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	\$ 150,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 222,626,000	\$ 372,626,000	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 begin programming New Starts funding in FFY 2015 and assume \$150 million in New Starts funding in FFY 2016. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded. \$1,419,383,000 of the \$1,992,243,000 project cost is programmed in the FFYs 2015-18 TIP.
5309 Subtotal ►				\$ 150,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 222,626,000	\$ 372,626,000	
SoGR		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Livability		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TIGER		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Grants Subtotal ►				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other	MBTA	HEAVY RAIL CARS - Red/Orange Lines	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,995,732	\$ 18,995,732	Project is now funded 100% with state funds.
Other	CATA	Purchase 1 29' Bus	N/A	-	\$ 120,499	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,499	
Other Subtotal ►				\$ -	\$ 120,499	\$ -	\$ -	\$ -	\$ -	\$ 18,995,732	\$ 19,116,231	
Total ►				\$ 349,404,837	\$ 382,590	\$ -	\$ -	\$ -	\$ 250,000	\$ 290,960,852	\$ 640,998,279	

2016 Boston Region MPO Transportation Improvement Program

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources				RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼			

Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 16 / 5307	\$ 72,927,264	\$ 136,927,264	\$ 64,000,000	Available	RTACAP	\$ 382,590	\$ 950,970	\$ 568,380	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	\$ 250,000	\$ 3,234,526	\$ 2,984,526	Available
FFY 16 / 5309	\$ 150,000,000	\$ 150,000,000	\$ -	Available	TDC	\$ -			

2017 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 ▼
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- 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

► HSIP - Highway Safety Improvement Program

	<u>604935</u>	WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT)	4	HSIP	\$ 4,752,838	\$ 4,277,554	\$ 475,284	HSIP pending Road Safety Audit
HSIP Subtotal ►					\$ 4,752,838	\$ 4,277,554	\$ 475,284	◀ 90% Federal + 10% Non-Federal

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	<u>604989</u>	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (RTE 30), FROM SEARS ROAD TO PARK STREET	3	CMAQ	\$ 4,038,370	\$ 3,230,696	\$ 807,674	CMAQ+TAP Total Cost = \$6,862,752
	<u>1569</u>	GREEN LINE EXTENSION PROJECT (PHASE II), MEDFORD-HILLSIDE (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 (\$78,000,000 programmed within FFYs 2015-18 TIP)
CMAQ Subtotal ►					\$ 17,465,590	\$ 13,972,472	\$ 3,493,118	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

	<u>604989</u>	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (RTE 30), FROM SEARS ROAD TO PARK STREET	3	TAP	\$ 2,824,382	\$ 2,259,506	\$ 564,876	CMAQ+TAP Total Cost = \$6,862,752
TAP Subtotal ►					\$ 2,824,382	\$ 2,259,506	\$ 564,876	◀ 80% Federal + 20% Non-Federal

► Non-CMAQ/HSIP/TAP (Other)

	<u>29492</u>	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
	<u>1569</u>	GREEN LINE EXTENSION PROJECT (PHASE II), MEDFORD-HILLSIDE (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 (\$78,000,000 programmed within FFYs 2015-18 TIP)
	<u>601630</u>	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	\$ 12,850,000	\$ 10,280,000	\$ 2,570,000	AC Yr 2 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 (\$53,453,518 programmed in FFYs 2015-18 TIP)
	<u>603711</u>	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	NHPP	\$ 14,000,000	\$ 11,200,000	\$ 2,800,000	AC Yr 4 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$87,768,183 programmed within FFYs 2015-18 TIP)
Non-CMAQ/HSIP/TAP (Other) Subtotal ►					\$ 49,927,686	\$ 39,942,149	\$ 9,985,537	◀ 80% Federal + 20% Non-Federal

2017 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 ▼
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► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ▶	\$ 74,970,496	\$ 75,009,821	◀ Total Target	\$ 39,325	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ▶	\$ 49,927,686	\$ 54,461,509	◀ Max. Non-CMAQ/HSIP/TAP	\$ 39,325	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ▶	\$ 4,752,838	\$ 4,296,710	◀ Min. HSIP	\$ (456,128)	HSIP Minimum Met
Total CMAQ Programmed ▶	\$ 17,465,590	\$ 13,427,220	◀ Min. CMAQ	\$ (4,038,370)	CMAQ Minimum Met
Total TAP Programmed ▶	\$ 2,824,382	\$ 2,824,382	◀ Min. TAP	\$ -	TAP Minimum Met

HSIP, CMAQ, TAP Overprogrammed \$ (4,494,498)

► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

<u>607507</u>	WAKEFIELD- BRIDGE DECK REPLACEMENT, W-01-021 (2MF), HOPKINS STREET OVER I-95/ST 128	4	NHPP	\$ 2,469,936	\$ 1,975,949	\$ 493,987	
Statewide Bridge Maintenance Program Subtotal ▶				\$ 2,469,936	\$ 1,975,949	\$ 493,987	◀ 80% Federal + 20% Non-Federal

► On System

<u>600867</u>	BOSTON- BRIDGE REPLACEMENT, B-16-237, MASSACHUSETTS AVENUE (ROUTE 2A) OVER COMMONWEALTH AVENUE	4	NHPP	\$ 5,964,839	\$ 4,771,871	\$ 1,192,968	AC Yr 2 of 2; Total Cost = \$9,100,020
<u>604173</u>	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	\$ 18,035,161	\$ 14,428,129	\$ 3,607,032	AC Yr 2 of 5; Total Cost = \$85,000,000 (\$53,035,161 programmed within FFYs 2015-18 TIP)
<u>606553</u>	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	\$ 2,879,981	\$ 2,303,985	\$ 575,996	AC Yr 2 of 2; Total Cost = \$11,434,190
<u>604952</u>	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP	\$ 4,150,000	\$ 3,320,000	\$ 830,000	AC Yr 1 of 4; Total Cost = \$45,000,000 (\$20,400,000 programmed within the FFYs 2015-18 TIP)
<u>607954</u>	DANVERS - BRIDGE REPLACEMENT, D-03-018, ROUTE 128 OVER WATERS RIVER	4	NHPP	\$ 8,949,150	\$ 7,159,320	\$ 1,789,830	
On System Subtotal ▶				\$ 39,979,131	\$ 31,983,305	\$ 7,995,826	◀ 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

2017 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 ▼
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► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

	<u>601630</u>	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	\$ 6,171,760	\$ 4,937,408	\$ 1,234,352	AC Yr 2 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 (\$53,453,518 programmed in FFYs 2015-18 TIP)
Other Federal Aid Subtotal ►					\$ 6,171,760	\$ 4,937,408	\$ 1,234,352	◀ Funding Split Varies by Funding Source

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

► Statewide Infrastructure Program

	<u>603917</u>	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE II)	4	STP	\$ 2,500,000	\$ 2,000,000	\$ 500,000	AC Yr 2 of 2; Total Cost = \$17,500,000
	<u>605733</u>	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 Yr 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

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

► Statewide Safe Routes to Schools Program

	<u>608003</u>	WEYMOUTH- SAFE ROUTES TO SCHOOL (PINGREE ELEMENTARY)	6	TAP	\$ 648,000	\$ 518,400	\$ 129,600	80% Federal + 20% Non-Federal
	<u>608004</u>	WATERTOWN- SAFE ROUTES TO SCHOOL (HOSMER ELEMENTARY)	6	TAP	\$ 664,200	\$ 531,360	\$ 132,840	80% Federal + 20% Non-Federal
Statewide Safe Routes to Schools Program Subtotal ►					\$ 1,312,200	\$ 1,049,760	\$ 262,440	◀ Funding Split Varies by Funding Source

► Statewide CMAQ

	<u>606223</u>	ACTION- CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION (PHASE II-B)	3	CMAQ	\$ 6,220,800	\$ 4,976,640	\$ 1,244,160	
Statewide CMAQ ►					\$ 6,220,800	\$ 4,976,640	\$ 1,244,160	◀ 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

2017 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 Interstate Maintenance Program								
	<u>607481</u>	RANDOLPH- QUINCY- BRAINTREE - RESURFACING AND RELATED WORK ON I-93	6	NHPP	\$ 12,055,824	10,850,242	1,205,582	
Statewide Interstate Maintenance Program Subtotal ►					\$ 12,055,824	\$ 10,850,242	\$ 1,205,582	◀ 90% Federal + 10% Non-Federal
► Statewide NHS Preservation Program+								
	<u>607477</u>	LYNNFIELD- PEABODY - RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	\$ 6,490,417	5,192,334	1,298,083	
Statewide NHS Preservation Program Subtotal ►					\$ 6,490,417	\$ 5,192,334	\$ 1,298,083	◀ 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
► Statewide ADA Implementation Plan								
		No Projects Programmed			\$ -	-	-	
Statewide ADA Implementation Plan Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Other Statewide Items								
		No Projects Programmed			\$ -	-	-	
Other Statewide Items Subtotal ►					\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Section 2A / Non-Federal Projects

► Non Federal Aid

	<u>1572</u>	RED LINE-BLUE LINE CONNECTOR DESIGN		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 ►					\$ 10,000,000		\$ 10,000,000	◀ 100% Non-Federal

2017 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 ▼
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► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

		No Projects Programmed	N/A	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 ►	\$ 156,670,564	\$ 10,000,000	\$ 166,670,564	◀ Total Spending in Region
Federal Funds ►	\$ 127,017,317		\$ 127,017,317	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 29,653,247	\$ 10,000,000	\$ 39,653,247	◀ 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					RTA ▼	Funds	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼				
5307	MBTA	PREVENTIVE MAINTENANCE		\$ 12,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 15,000,000		
5307	MBTA	Systems Upgrades		\$ 26,685,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,671,379	\$ 33,356,895		
5307	CATA	PREVENTIVE MAINTENANCE		\$ 193,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,347	\$ 241,738		
5307	CATA	BUY REPLACEMENT 30-FT BUS (1)		\$ 320,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000		
5307	CATA	ACQUIRE - MISC SUPPORT EQUIPMENT		\$ 27,355	\$ 6,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,195		
5307	MWRTA	INTERMODAL (TRANSIT): Facil. Improvements	2016	\$ 471,356	\$ 117,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 589,196		
5307	MWRTA	PURCHASE SIGNAGE	2016	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000		
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2016	\$ 80,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000		
5307	MWRTA	ACQUIRE - MOBILE SURV/SECURITY EQUIP	2016	\$ 50,000	\$ 12,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,500		
5307	MWRTA	NON FIXED ROUTE ADA PARA SERV	2016	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 1,250,000		
5307	MWRTA	INTERMODAL (TRANSIT): Facil. Improvements	2016	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000		
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2016	\$ 65,000	\$ 16,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,250		
5307 Subtotal ►				\$ 40,932,618	\$ 263,430	\$ -	\$ -	\$ -	\$ 250,000	\$ 9,719,726	\$ 51,165,774		
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					RTA ▼	Funds	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼				
5309	MBTA	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	\$ 150,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,454,000	\$ 375,454,000	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 begin programming New Starts funding in FFY 2015 and assume \$150 million in New Starts funding in FFY 2017. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded; \$1,419,383,000 of the \$1,992,243,000 project cost is programmed in the FFYs 2015-18 TIP.	
5309 Subtotal ►				\$ 150,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,454,000	\$ 375,454,000		
SoGR		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Livability		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
TIGER		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Grants Subtotal ►				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Other	MBTA	HEAVY RAIL CARS - Red/Orange Lines	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 148,559,943	\$ 148,559,943	Project is now funded 100% with state funds.	
Other	CATA	BUY REPLACEMENT <30 FT BUS (1)	N/A	\$ -	\$ 119,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 119,160		
Other Subtotal ►				\$ -	\$ 119,160	\$ -	\$ -	\$ -	\$ -	\$ 148,559,943	\$ 148,679,103		
Total ►				\$ 317,410,191	\$ 382,590	\$ -	\$ -	\$ -	\$ 250,000	\$ 415,353,063	\$ 733,395,844		

2017 Boston Region MPO Transportation Improvement Program

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

Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 17 / 5307	\$ 40,932,618	\$ 136,932,618	\$96,000,000	Available	RTACAP	\$ 382,590	\$ 263,430	\$ (119,160)	Over Programmed
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	\$ 250,000	\$ 3,234,526	\$ 2,984,526	Available
FFY 17 / 5309	\$ 150,000,000	\$ 150,000,000	\$ -	Available	TDC	\$ -			

2018 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 ▼
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- 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

► HSIP - Highway Safety Improvement Program

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

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	<u>1569</u>	GREEN LINE EXTENSION PROJECT (PHASE II), MEDFORD HILLSIDE (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 (\$78,000,000 programmed within FFYs 2015-18 TIP)
CMAQ Subtotal ►					\$ 13,427,220	\$ 10,741,776	\$ 2,685,444	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

		No Projects Programmed			\$ -	\$ -	\$ -	
TAP Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Non-CMAQ/HSIP/TAP (Other)

	<u>1569</u>	GREEN LINE EXTENSION PROJECT (PHASE II), MEDFORD HILLSIDE (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 (\$78,000,000 programmed within FFYs 2015-18 TIP)
	<u>601630</u>	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	\$ 21,031,758	\$ 16,825,406	\$ 4,206,352	AC Yr 3 of 4; STP+HSIP+TEA-21 Earmark Total Cost = \$60,053,518 (\$53,453,518 programmed in FFYs 2015-18 TIP)
	<u>603711</u>	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	NHPP	\$ 13,768,183	\$ 11,014,546	\$ 2,753,637	AC Yr 5 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$87,768,183 programmed within FFYs 2015-18 TIP)
Non-CMAQ/HSIP/TAP (Other) Subtotal ►					\$ 61,372,721	\$ 49,098,177	\$ 12,274,544	◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 74,799,941	\$ 75,009,821	◀ Total Target	\$ 209,880	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 61,372,721	\$ 54,461,509	◀ Max. Non-CMAQ/HSIP/TAP	\$ (6,911,212)	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 ►	\$ 13,427,220	\$ 13,427,220	◀ Min. CMAQ	\$ -	CMAQ Minimum Met
Total TAP Programmed ►	\$ -	\$ 2,824,382	◀ Min. TAP	\$ 2,824,382	TAP Minimum Not Met

Remaining HSIP, CMAQ, and TAP Funds \$ 7,121,092

2018 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 ▼
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► Section 1B / Federal Aid Bridge Projects

► Statewide Bridge Maintenance Program

	<u>607915</u>	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 Maintenance Program Subtotal ►					\$ 1,724,400	\$ 1,379,520	\$ 344,880	◀ 80% Federal + 20% Non-Federal

► On System

	<u>604173</u>	BOSTON- BRIDGE REHABILITATION, B-16-016, NORTH WASHINGTON STREET OVER THE CHARLES RIVER	6	NHPP	\$ 30,000,000	\$ 24,000,000	\$ 6,000,000	AC Yr 3 of 5; Total Cost = \$85,000,000 (\$53,035,161 programmed within FFYs 2015-18 TIP)
	<u>604952</u>	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP	\$ 16,250,000	\$ 13,000,000	\$ 3,250,000	AC Yr 2 of 4; Total Cost = \$45,000,000 (\$20,400,000 programmed within the FFYs 2015-18 TIP)
On System Subtotal ►					\$ 46,250,000	\$ 37,000,000	\$ 9,250,000	◀ 80% Federal + 20% Non-Federal

► Off-System

	<u>606632</u>	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	3	STP-BR-OFF	\$ 12,727,339	\$ 10,181,871	\$ 2,545,468	
	<u>607133</u>	QUINCY- BRIDGE REPLACEMENT, Q-01-039, ROBERTSON STREET OVER I-93/US 1/SR 3	6	STP-BR-OFF	\$ 6,435,763	\$ 5,148,610	\$ 1,287,153	
	<u>604655</u>	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	5	STP-BR-OFF	\$ 4,822,854	\$ 3,858,283	\$ 964,571	
	<u>607533</u>	WALTHAM- WOERD AVENUE OVER THE CHARLES RIVER	4	STP-BR-OFF	\$ 3,873,360	\$ 3,098,688	\$ 774,672	
Off-System Subtotal ►					\$ 27,859,316	\$ 22,287,453	\$ 5,571,863	◀ 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

2018 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 ▼
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► Section 1D / Federal Aid Major & State Category Projects

► Statewide Infrastructure Program

	<u>605733</u>	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 Yr 3 of 3; Total Cost = \$8,250,000
	<u>606381</u>	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	4	STP	\$ 5,750,000	\$ 4,600,000	\$ 1,150,000	
Statewide Infrastructure Program Subtotal ►					\$ 7,000,000	\$ 5,600,000	\$ 1,400,000	◀ 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

	<u>607329</u>	WAKEFIELD- LYNNFIELD- RAIL TRAIL EXTENSION, FROM THE GALVIN MIDDLE SCHOOL TO LYNNFIELD/PEABODY T.L.	4	CMAQ	\$ 7,084,000	\$ 5,667,200	\$ 1,416,800	
Statewide CMAQ ►					\$ 7,084,000	\$ 5,667,200	\$ 1,416,800	◀ 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

	<u>606546</u>	FRANKLIN- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	3	NHPP	\$ 6,280,243	5,652,219	628,024	
Statewide Interstate Maintenance Program Subtotal ►					\$ 6,280,243	\$ 5,652,219	\$ 628,024	◀ 90% Federal + 10% Non-Federal

► Statewide NHS Preservation Program+

	<u>608008</u>	SAUGUS - RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	\$ 10,620,378	8,496,302	2,124,076	
	<u>607988</u>	MARSHFIELD - PLYMOUTH - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	\$ 16,229,512	12,983,610	3,245,902	
	<u>607989</u>	MARSHFIELD - RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	\$ 4,398,285	3,518,628	879,657	
Statewide NHS Preservation Program Subtotal ►					\$ 31,248,175	\$ 24,998,540	\$ 6,249,635	◀ 80% Federal + 20% Non-Federal

► Statewide RR Grade Crossings

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

2018 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed
2/5/2015 Proposed Update to 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 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								
		No Projects Programmed						
Other Statewide Items Subtotal ►					\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Section 2A / Non-Federal Projects

► Non Federal Aid

		No Projects Programmed			\$ -		\$ -	
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

2018 Boston Region MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 202,246,075	\$ -	\$ 202,246,075	◀ Total Spending in Region
Federal Funds ►	\$ 162,424,884		\$ 162,424,884	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 39,821,191	\$ -	\$ 39,821,191	◀ 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					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
5307	MBTA	PREVENTIVE MAINTENANCE		\$ 12,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 15,000,000	
5307	MBTA	Systems Upgrades		\$ 26,685,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,671,379	\$ 33,356,895	
5307	CATA	PREVENTIVE MAINTENANCE		\$ 193,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,347	\$ 241,738	
5307	CATA	ACQUIRE - MISC SUPPORT EQUIPMENT		\$ 32,763	\$ 8,192	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,955	
5307	CATA	BUY REPLACEMENT 30-FT BUS (1)		\$ 320,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	
5307	MWRTA	TERMINAL, INTERMODAL (TRANSIT)	2017	\$ 351,357	\$ 87,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 439,197	
5307	MWRTA	PURCHASE BUS SHELTERS	2017	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
5307	MWRTA	ACQUIRE - MOBILE SURV/SECURITY EQUIP	2017	\$ 50,000	\$ 12,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,500	
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2017	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	
5307	MWRTA	INTERMODAL (TRANSIT): Facil. Improvements	2017	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2017	\$ 65,000	\$ 16,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,250	
5307	MWRTA	NON FIXED ROUTE ADA PARA SERV	2017	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 1,250,000	
5307 Subtotal ►				\$ 40,938,027	\$ 264,782	\$ -	\$ -	\$ -	\$ 250,000	\$ 9,719,726	\$ 51,172,535	
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	

2018 Boston Region MPO Transportation Improvement Program

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 196,101,000	\$ 346,101,000	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 begin programming New Starts funding in FFY 2015 and assume \$150 million in New Starts funding in FFY 2018. The Commonwealth is committed to fully funding this project with bond funds if New Starts is not awarded. \$1,419,383,000 of the \$1,992,243,000 project cost is programmed in the FFYs 2015-18 TIP.
5309 Subtotal ►				\$ 150,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 196,101,000	\$ 346,101,000	
SoGR		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Livability		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TIGER		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Grants Subtotal ►				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

2018 Boston Region MPO Transportation Improvement Program

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼	Additional Information ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼			
Other	MBTA	HEAVY RAIL CARS - Red/Orange Lines	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,682,528	\$ 52,682,528	Project is now funded 100% with state funds.
Other	CATA	BUY REPLACEMENT <30 FT BUS (1)	N/A	\$ -	\$ 117,808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,808	
Other Subtotal ►				\$ -	\$ 117,808	\$ -	\$ -	\$ -	\$ -	\$ 52,682,528	\$ 52,800,336	
Total ►				\$ 317,415,600	\$ 382,590	\$ -	\$ -	\$ -	\$ 250,000	\$ 290,122,648	\$ 608,170,838	

Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
FFY 17 / 5307	\$ 40,938,027	\$ 136,938,027	\$ 96,000,000 Available	RTACAP	\$ 382,590	\$ 264,782	\$ (117,808) Over Programmed
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	\$ 250,000	\$ 3,234,526	\$ 2,984,526 Available
FFY 17 / 5309	\$ 150,000,000	\$ 150,000,000	\$ - Available	TDC	\$ -	\$ -	\$ - Available