











# 2015 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed  
11/6/2014 Action on Amendment One

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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► **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**

Amendment/ Adjustment Type	MassDOT Project ID	MassDOT Project Description	MassDOT District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
	<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
AMENDMENT: Increase Cost, AMENDMENT: Change Funding Source	<u>1570</u>	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	NFA	\$ -		\$ -	Project moved from FFY 2015 Highway Table to FFY 2015 Transit Table (5309 funds). Project cash flow for FFY 2015 has increased by \$80,774,492; was \$244,427,508.
	<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 ▶	\$ 142,858,080	\$ 52,863,082	\$ 195,721,162	◀ Total Spending in Region
Federal Funds ▶	\$ 115,292,443		\$ 115,292,443	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 27,565,637	\$ 52,863,082	\$ 80,428,719	◀ 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	HEAVY RAIL CARS - Red/Orange Lines		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Project is now funded with state funds; was \$80,000,000.
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)		\$ 471,356	\$ 117,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 589,196	
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		\$ 25,000	\$ 6,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,250	
5307	MWRTA	PURCHASE SIGNAGE		\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
5307	MWRTA	ACQUIRE - MOBILE SURV/SECURITY EQUIP		\$ 50,000	\$ 12,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,500	
5307	MWRTA	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		\$ 80,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	
5307	MWRTA	NON FIXED ROUTE ADA PARA SERV		\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 1,250,000	
5307	MWRTA	ACQUIRE - SUPPORT VEHICLES (2)		\$ 40,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	
<b>5307 Subtotal ►</b>				<b>\$ 72,921,963</b>	<b>\$ 260,766</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 17,719,726</b>	<b>\$ 91,152,455</b>	
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	
<b>5337 Subtotal ►</b>				<b>\$ 121,190,546</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,297,637</b>	<b>\$ 151,488,183</b>	
5339	MBTA	Systems Upgrades		\$ 5,287,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,321,757	\$ 6,608,784	
<b>5339 Subtotal ►</b>				<b>\$ 5,287,027</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,321,757</b>	<b>\$ 6,608,784</b>	
5310		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>5310 Subtotal ►</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	



# 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 ▼			
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	Project moved from FFY 2015 TIP Highway Table to FFY 2015 TIP Transit Table. Cash flow increase of \$80,774,492; was \$244,427,508. 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.
<b>5309 Subtotal ►</b>				<b>\$ 100,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 225,202,000</b>	<b>\$ 325,202,000</b>	
SoGR		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Livability		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TIGER		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Grants Subtotal ►</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
Other	MBTA	HEAVY RAIL CARS - Red/Orange Lines	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,130,340	\$ 82,130,340	Project is now funded 100% with state funds. Project cash flow increase of \$2,130,340. Was \$80,000,000.
Other	CATA	BUS REPLACEMENT <30 FT BUS (1)	N/A	\$ -	\$ 121,824	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 121,824	New FFY 2015 Project.
<b>Other Subtotal ►</b>				<b>\$ -</b>	<b>\$ 121,824</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 82,130,340</b>	<b>\$ 82,252,164</b>	
<b>Total ►</b>				<b>\$ 299,399,536</b>	<b>\$ 382,590</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 356,671,460</b>	<b>\$ 656,703,586</b>	

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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 ▼			

## Fiscal Constraint Analysis

Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼		State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	
FFY 15 / 5307	\$ 72,921,963	\$ 136,921,963	\$64,000,000	Available	RTACAP	\$ 382,590	\$ 672,010	\$ 289,420	Available
FFY 15 / 5337	\$ 121,190,546	\$ 121,190,546	\$ -	Available	MAP	\$ -	\$ -	\$ -	Available
FFY 15 / 5339	\$ 5,287,027	\$ 5,287,027	\$ -	Available	ITCCAP	\$ -	\$ -	\$ -	Available
FFY 15 / 5310	\$ -	\$ -	\$ -	Available	SCA	\$ 250,000	\$ 3,234,526	\$ 2,984,526	Available
FFY 15 / 5309	\$ 100,000,000	\$100,000,000	\$ -	Available	TDC	\$ -			

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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

<a href="#">601630</a>	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)
<a href="#">604810</a>	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

<a href="#">1559</a>	CLEAN AIR AND MOBILITY	N/A	CMAQ	\$ 374,850	\$ 299,880	\$ 74,970	
<a href="#">1569</a>	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)
<a href="#">604810</a>	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	CMAQ	\$ 2,000,000	\$ 1,600,000	\$ 400,000	HSIP+CMAQ Total Cost = \$5,397,727
<a href="#">605110</a>	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

<a href="#">605110</a>	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)

<a href="#">29492</a>	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
<a href="#">603711</a>	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)
<a href="#">601630</a>	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)
AMENDMENT: Move Project - (FROM 2015)	<u>605789</u>	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD (HPP 756 & 4284)	6	HPP	\$ 2,429,730	\$ 1,943,784	\$ 485,946	Project moved from FFY 2015. Construction; HPP 756 (MA126); SAFETEA-LU Earmark (HPP 756)+ SAFETEA-LU Earmark (HPP 4284) =Total Cost \$7,437,105
AMENDMENT: Move Project - (FROM 2015)	<u>605789</u>	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD (HPP 756 & 4284)	6	HPP	\$ 5,007,375	\$ 4,005,900	\$ 1,001,475	Project moved from FFY 2015. 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  
11/6/2014 Action on Amendment One

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
<b>► Statewide CMAQ</b>								
	<a href="#">601579</a>	WAYLAND- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 27 (MAIN STREET) AND ROUTE 30 (COMMONWEALTH ROAD)	3	CMAQ	\$ 1,931,854	\$ 1,545,483	\$ 386,371	
	<a href="#">602165</a>	STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET	4	CMAQ	\$ 3,268,366	\$ 2,614,693	\$ 653,673	
	<a href="#">605189</a>	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	
	<a href="#">606316</a>	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
<b>► Statewide Transportation Enhancements</b>								
		No Projects Programmed			\$ -	\$ -	\$ -	
Statewide Transportation Enhancements Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide ITS</b>								
		No Projects Programmed			\$ -	\$ -	\$ -	
Statewide ITS Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide Interstate Maintenance Program</b>								
	<a href="#">606176</a>	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
<b>► Statewide NHS Preservation Program+</b>								
		No Projects Programmed			\$ -	\$ -	\$ -	
Statewide NHS Preservation Program Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide RR Grade Crossings</b>								
		No Projects Programmed			\$ -	\$ -	\$ -	
Statewide RR Grade Crossings Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide Stormwater Retrofits</b>								
		No Projects Programmed			\$ -	\$ -	\$ -	
Statewide Stormwater Retrofits Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide ADA Implementation Plan</b>								
		No Projects Programmed			\$ -	\$ -	\$ -	
Statewide ADA Implementation Plan Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Other Statewide Items</b>								
		No Projects Programmed			\$ -	\$ -	\$ -	
Other Statewide Items Subtotal ►					\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

# 2016 Boston Region MPO Transportation Improvement Program

07/10/2014 Endorsed  
11/6/2014 Action on Amendment One

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
AMENDMENT:Decrease Cost,AMENDMENT:Change Funding Source	<u>1570</u>	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	NFA	\$ -		\$ -	Project moved from FFY 2016 Highway Table to FFY 2016 Transit Table (5309 funds). Project cash flow for FFY 2016 has decreased by \$56,274,255; was \$428,900,255.
	<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	HEAVY RAIL CARS - Red/Orange Lines		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Project is now funded with state funds; was \$80,000,000.
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	
<b>5307 Subtotal ►</b>				<b>\$ 72,927,264</b>	<b>\$ 262,091</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 17,719,726</b>	<b>\$ 91,159,081</b>	
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	
<b>5337 Subtotal ►</b>				<b>\$ 121,190,546</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,297,637</b>	<b>\$ 151,488,183</b>	
5339	MBTA	Systems Upgrades		\$ 5,287,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,321,757	\$ 6,608,784	
<b>5339 Subtotal ►</b>				<b>\$ 5,287,027</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,321,757</b>	<b>\$ 6,608,784</b>	
5310		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>5310 Subtotal ►</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	



# 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	Project moved from FFY 2016 TIP Highway Table to FFY 2016 TIP Transit Table. Cash flow decrease of \$56,274,255; was \$428,900,255. 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.
<b>5309 Subtotal ►</b>				<b>\$ 150,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 222,626,000</b>	<b>\$ 372,626,000</b>	
SoGR		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Livability		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TIGER		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Grants Subtotal ►</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
Other	MBTA	HEAVY RAIL CARS - Red/Orange Lines	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,995,732	\$ 18,995,732	Project is now funded 100% with state funds. Project FFY 2016 cash flow decrease of \$61,004,268. Was \$80,000,000.
Other	CATA	Purchase 1 29' Bus	N/A	-	\$ 120,499	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,499	New FFY 2016 Project.
<b>Other Subtotal ►</b>				<b>\$ -</b>	<b>\$ 120,499</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,995,732</b>	<b>\$ 19,116,231</b>	
<b>Total ►</b>				<b>\$ 349,404,837</b>	<b>\$ 382,590</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 290,960,852</b>	<b>\$ 640,998,279</b>	

# 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  
11/6/2014 Action on Amendment One

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  
11/6/2014 Action on Amendment One

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  
11/6/2014 Action on Amendment One

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  
11/6/2014 Action on Amendment One

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
<b>► Statewide Interstate Maintenance Program</b>								
	<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
<b>► Statewide NHS Preservation Program+</b>								
	<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
<b>► Statewide RR Grade Crossings</b>								
		No Projects Programmed			\$ -	-	-	
Statewide RR Grade Crossings Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide Stormwater Retrofits</b>								
		No Projects Programmed			\$ -	-	-	
Statewide Stormwater Retrofits Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide ADA Implementation Plan</b>								
		No Projects Programmed			\$ -	-	-	
Statewide ADA Implementation Plan Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Other Statewide Items</b>								
		No Projects Programmed			\$ -	-	-	
Other Statewide Items Subtotal ►					\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

## ► Section 2A / Non-Federal Projects

### ► Non Federal Aid

AMENDMENT: Decrease Cost, AMENDMENT: Change Funding Source	<u>1570</u>	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR		NFA	\$ -		\$ -	Project moved from 2017 Highway Table to 2017 Transit Table (5309 funds). Project cash flow for FFY 2017 increased by \$37,442,347; was \$338,011,653.
	<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  
11/6/2014 Action on Amendment One

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	HEAVY RAIL CARS - Red/Orange Lines		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Project is now funded with state funds; was \$120,000,000.	
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		
<b>5307 Subtotal ►</b>				<b>\$ 40,932,618</b>	<b>\$ 263,430</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 9,719,726</b>	<b>\$ 51,165,774</b>		
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		
<b>5337 Subtotal ►</b>				<b>\$ 121,190,546</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,297,637</b>	<b>\$ 151,488,183</b>		
5339	MBTA	Systems Upgrades		\$ 5,287,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,321,757	\$ 6,608,784		
<b>5339 Subtotal ►</b>				<b>\$ 5,287,027</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,321,757</b>	<b>\$ 6,608,784</b>		
5310		No Projects Programmed	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>5310 Subtotal ►</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		



# 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	Project moved from FFY 2017 TIP Highway Table to FFY 2017 TIP Transit Table. Cash flow increase of \$37,442,347; was \$338,011,653. 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.	
<b>5309 Subtotal ►</b>				\$ 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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Grants Subtotal ►</b>				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Other	MBTA	HEAVY RAIL CARS - Red/Orange Lines	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 148,559,943	\$ 148,559,943	Project is now funded 100% with state funds. Project FFY 2017 cash flow increase of \$28,559,943; was \$120,000,000.	
Other	CATA	BUY REPLACEMENT <30 FT BUS (1)	N/A	\$ -	\$ 119,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 119,160	New FFY 2017 Project.	
<b>Other Subtotal ►</b>				\$ -	\$ 119,160	\$ -	\$ -	\$ -	\$ -	\$ 148,559,943	\$ 148,679,103		
<b>Total ►</b>				\$ 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  
11/6/2014 Action on Amendment One

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  
11/6/2014 Action on Amendment One

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  
11/6/2014 Action on Amendment One

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  
11/6/2014 Action on Amendment One

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
<b>► Statewide Stormwater Retrofits</b>								
		No Projects Programmed			\$ -	-	-	
Statewide Stormwater Retrofits Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Statewide ADA Implementation Plan</b>								
		No Projects Programmed			\$ -	-	-	
Statewide ADA Implementation Plan Subtotal ►					\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
<b>► Other Statewide Items</b>								
		No Projects Programmed						
Other Statewide Items Subtotal ►					\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

## ► Section 2A / Non-Federal Projects

### ► Non Federal Aid

AMENDMENT: Increase Cost. AMENDMENT: Change Funding Source	1570	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	NFA	\$ -		\$ -	Project moved from FFY 2018 Highway Table to FFY 2018 Transit Table (5309 funds). Project cash flow for FFY 2018 has increased by \$131,830,202; was \$214,270,798.
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 Flagger 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	HEAVY RAIL CARS - Red/Orange Lines		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Project is now funded with state funds; was \$120,000,000.
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	
<b>5307 Subtotal ►</b>				<b>\$ 40,938,027</b>	<b>\$ 264,782</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 9,719,726</b>	<b>\$ 51,172,535</b>	
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	
<b>5337 Subtotal ►</b>				<b>\$ 121,190,546</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,297,637</b>	<b>\$ 151,488,183</b>	
5339	MBTA	Systems Upgrades		\$ 5,287,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,321,757	\$ 6,608,784	
<b>5339 Subtotal ►</b>				<b>\$ 5,287,027</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,321,757</b>	<b>\$ 6,608,784</b>	

# 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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>5310 Subtotal ►</b>				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
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	Project moved from FFY 2018 Highway Table to FFY 2018 Transit Table. Cash flow increase of \$131,830,202; ; was \$214,270,798. 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.
<b>5309 Subtotal ►</b>				\$ 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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Grants Subtotal ►</b>				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	



# 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. Project FFY 2018 cash flow decrease of \$67,317,472; was \$120,000,000.
Other	CATA	BUY REPLACEMENT <30 FT BUS (1)	N/A	\$ -	\$ 117,808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,808	New FFY 2018 Project.
<b>Other Subtotal ►</b>				\$ -	\$ 117,808	\$ -	\$ -	\$ -	\$ -	\$ 52,682,528	\$ 52,800,336	
<b>Total ►</b>				\$ 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