

2017 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed

08/17/17 REVISION TWO Amendment Four (Draft)

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1A / Federal Aid Target Projects

► HSIP - Highway Safety Improvement Program

	607309	Boston	Hingham	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	5	HSIP	\$ 985,554	\$ 886,999	\$ 98,555	HSIP+CMAQ+TAP+SW CMAQ Total Cost = \$6,716,047
	604935	Boston	Woburn	WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT)	4	HSIP	\$ 3,564,628	\$ 3,208,165	\$ 356,463	STP+HSIP Total Cost = \$4,752,838
	604810	Boston	Marlborough	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	HSIP	\$ 2,848,454	\$ 2,563,609	\$ 284,845	HSIP+CMAQ+STP+SW CMAQ Total Cost = \$5,969,357
HSIP Subtotal ►							\$ 7,398,636	\$ 6,658,772	\$ 739,864	◀ 90% Federal + 10% Non-Federal

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	607309	Boston	Hingham	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	5	CMAQ	\$ 3,195,430	\$ 2,556,344	\$ 639,086	HSIP+CMAQ+TAP+SW CMAQ Total Cost = \$6,716,047
	604810	Boston	Marlborough	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	CMAQ	\$ 2,651,263	\$ 2,121,010	\$ 530,253	HSIP+CMAQ+STP+SW CMAQ Total Cost = \$5,969,357
	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	CMAQ	\$ 13,427,220	\$ 10,741,776	\$ 2,685,444	AC Yr 2 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
CMAQ Subtotal ►							\$ 19,273,913	\$ 15,419,130	\$ 3,854,783	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

	607309	Boston	Hingham	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	5	TAP	\$ 746,785	\$ 597,428	\$ 149,357	HSIP+CMAQ+TAP+SW CMAQ Total Cost = \$6,716,047
TAP Subtotal ►							\$ 746,785	\$ 597,428	\$ 149,357	◀ 80% Federal + 20% Non-Federal

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► Non-CMAQ/HSIP/TAP (Other)

	29492	Boston	Multiple	BEDFORD- BILLERICA- 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	increase in funding source from \$3,794,185 to \$6,604,906; AC Yr 2 of 2; STP+NHPP+TAP+Earmark+Statewide Infrastructure+Northern Middlesex Council of Governments contribution (\$1,000,000) Total Cost = \$36,735,048
	601630	Boston	Multiple	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAIL ROAD (MBTA)	6	STP	\$ 5,946,711	\$ 4,757,369	\$ 1,189,342	AC Yr 2 of 4; STP+NHPP+HSIP+TEA-21 Earmark (MA1236)+BR Total Cost = \$81,812,268
	601630	Boston	Multiple	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	NHPP	\$ 6,903,289	\$ 5,522,631	\$ 1,380,658	AC Yr 2 of 4; STP+NHPP+HSIP+TEA-21 Earmark (MA1236)+BR Total Cost = \$81,812,268
	604935	Boston	Woburn	WOBURN- RECONSTRUCTION OF MONTVALE AVENUE, FROM I-93 INTERCHANGE TO CENTRAL STREET (APPROX. 1,850 FT)	4	STP	\$ 1,188,210	\$ 950,568	\$ 237,642	STP+HSIP Total Cost = \$4,752,838
	604810	Boston	Marlborough	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	STP	\$ 113,919	\$ 91,135	\$ 22,784	HSIP+CMAQ+STP+SW CMAQ Total Cost = \$5,969,357
	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	STP	\$ 16,472,780	\$ 13,178,224	\$ 3,294,556	AC Yr 2 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	603711	Boston	Multiple	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	6	NHPP	\$ 24,539,816	\$ 19,631,853	\$ 4,907,963	AC Yr 4 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$26,258,183 programmed within FFYs 2017-21 TIP)
Non-CMAQ/HSIP/TAP (Other) Subtotal ►							\$ 61,769,631	\$ 49,415,705	\$ 12,353,926	◄ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 89,188,965	\$ 89,188,965	◄ Total Target	\$ 0	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 61,769,631	\$ -	◄ Max. Non-CMAQ/HSIP/TAP	\$ (68,562,975)	Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum
Total HSIP Programmed ►	\$ 7,398,636	\$ 4,296,710	◄ Min. HSIP	\$ (3,101,926)	HSIP Recommended Met
Total CMAQ Programmed ►	\$ 19,273,913	\$ 13,427,220	◄ Min. CMAQ	\$ (5,846,693)	CMAQ Recommended Met
Total TAP Programmed ►	\$ 746,785	\$ 2,902,060	◄ Min. TAP	\$ 2,155,275	TAP Recommended Not Met

HSIP, CMAQ, TAP Overprogrammed \$ (6,793,344)

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

► **Statewide Systematic Maintenance Program**

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

► **On System**

AMENDMENT: Increase Cost	604173	Boston	BOSTON	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP	\$ 62,000,000	\$ 49,600,000	\$ 12,400,000	Change AC YR 1 of 5 to 1 of 6; NHPP-Br On System: 2017 - \$46,496,905 \$62,000,000 (was \$6,400,000); Total Programmed Federal Participating Cost increase from \$144,066,616 to \$157,546,729; City of Boston Contribution: \$14,444,195.50; and \$1,837,500 Non-Federal Aid funds = Total Project Cost: \$174,000,000
	607507	Boston	WAKEFIELD	WAKEFIELD- BRIDGE DECK REPLACEMENT, W-01-021 (2MF), HOPKINS STREET OVER I-95/ST 128	4	NHPP	\$ 2,646,360	\$ 2,117,088	\$ 529,272	
	607954	Boston	DANVERS	DANVERS- BRIDGE REPLACEMENT, D-03-018, ST 128 OVER WATERS RIVER	4	NHPP	\$ 20,074,634	\$ 16,059,707	\$ 4,014,927	
	601630	Boston	WEYMOUTH	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	NHPP	\$ 12,033,818	\$ 9,627,054	\$ 2,406,764	AC Yr 2 of 4; STP+NHPP+HSIP+TEA-21 Earmark (MA1236)+BR Total Cost = \$81,812,268
	607499	Boston	Multiple	RANDOLPH- BOSTON- BRAINTREE- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF 3 BRIDGES: R-01-006 (344), B-16-261 (3FK) & B-21-027 (36E)	6	NHPP	\$ 2,028,526	\$ 1,622,821	\$ 405,705	In the STIP/Statewide Programs; formerly DISTRICT 6- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF TWO BRIDGES, RANDOLPH R-01-006(344) AND BRAINTREE B-21-027(36E)
On System Subtotal ►							\$ 98,783,338	\$ 79,026,670	\$ 19,350,962	◀ 80% Federal + 20% Non-Federal

► **Off-System**

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

► **Statewide Bridge Inspection Program**

				No Projects Programmed			\$ -	\$ -	\$ -	
				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

	601630	Boston	Multiple	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	HPP	\$ 9,179,180	\$ 7,343,344	\$ 1,835,836	Demo ID: MA047 Construction; (MA1236); AC Yr 2 of 4; STP+HSIP+TEA-21 Earmark+BR Total Cost = \$81,812,268
	29492	Boston	BEDFORD	BEDFORD- BILLERICA- BURLINGTON- MIDDLESEX TURNPIKE IMPROVEMENTS, FROM CROSBY DRIVE NORTH TO MANNING ROAD, INCLUDES RECONSTRUCTION OF B-04-006 (PHASE III)	4	HPP	\$ 1,001,475	\$ 801,180	\$ 200,295	Repurposed SAFETEA-LU earmark (MA171); AC Yr 2 of 2; STP+NHPP+TAP+Earmark+Statewide Infrastructure+Northern Middlesex Council of Governments contribution (\$1,000,000) Total Cost = \$36,735,048
	BN0002	Boston	Multiple	MBTA Bus Stop Accessibility and Operational Improvements	N/A	HPP	\$ 1,135,276	\$ 908,221	\$ 227,055	Demo ID: MA 015 Old Purpose of Earmark: Undertake improvements to South Station intermodal station Total value of earmarks for this improvements program: \$1,909,696 (Federal) repurposed earmark; Flex to FTA
	BN0003	Boston	Multiple	MBTA Bus Stop Accessibility and Operational Improvements	N/A	HPP	\$ 1,251,844	\$ 1,001,475	\$ 250,369	Demo ID: MA 170 Old Purpose of Earmark: MBTA Secure Station, Boston Total value of earmarks for this improvements program: \$1,909,696 (Federal) repurposed earmark; Flex to FTA
	BN0004	Boston	Multiple	MBTA Bus Stop Accessibility and Operational Improvements within the Longwood Medical Area	N/A	HPP	\$ 162,494	\$ 129,995	\$ 32,499	Demo ID: MA 133 Old Purpose of Earmark: Longwood Ave./Urban Ring Tunnel Study Repurposed earmark; Flex to FTA
	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	HPP	\$ 6,259,669	\$ 5,007,735	\$ 1,251,934	Demo ID: MA 199 Old Purpose of Earmark: Construct Lechmere Station area roadway and access improvements in Cambridge Repurposed earmark; Flex to FTA

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	608562	Boston	SOMERVILLE	SOMERVILLE- SIGNAL AND INTERSECTION IMPROVEMENT ON I-93 AT MYSTIC AVENUE AND MCGRATH HIGHWAY (TOP 200 CRASH LOCATION)	4	HPP	\$ 500,738	\$ 400,590	\$ 100,148	Demo ID: MA 128 Repurposed earmark for design funds. TIP Project #608562 is programmed for construction in FFY 2020 in Section 1D, under the Statewide HSIP Program.
	BN0005	Boston	SUDBURY	Assabet River National Wildlife Refuge - Rehab White Pond Rd, aka North Entrance Rd (Rte. 101)	3	Other FA	\$ 575,000	\$ 460,000	\$ 115,000	Transfer to Eastern Federal Lands
	BN0006	Boston	CONCORD	Great Meadows National Wildlife Transportation Project	4	HPP	\$ 53,328	\$ 42,662	\$ 10,666	Demo ID: MA 119 Repurposed earmark, formerly Assabet River National Wildlife Refuge, MA, Design and construction of parking areas; Transfer to Eastern Federal Lands
	BN0007	Boston	CONCORD	Great Meadows National Wildlife Transportation Project	4	HPP	\$ 190,453	\$ 152,362	\$ 38,091	Demo ID: MA 174 Repurposed earmark, formerly Oxbow National Wildlife Refuge, Design and construction of a Visitor Contact Station; Transfer to Eastern Federal Lands
Other Federal Aid Subtotal ▶							\$ 20,309,455	\$ 16,247,564	\$ 4,061,891	◀ Funding Split Varies by Funding Source

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

► Regional Major Infrastructure

			No Projects Programmed			\$ -	\$ -	\$ -		
			No Projects Programmed			\$ -	\$ -	\$ -		
Regional Major Infrastructure Subtotal ▶							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Americans with Disability Act Implementation Plan

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

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► **Statewide Congestion Mitigation and Air Quality**

	602165	Boston	STONEHAM	STONEHAM- SIGNAL & INTERSECTION IMPROVEMENTS AT ROUTE 28/NORTH STREET	4	CMAQ	\$ 2,785,102	\$ 2,228,082	\$ 557,020	
AMENDMENT: Increase Cost, AMENDMENT: Change Project Description	604761	Boston	BOSTON	BOSTON- MULTI-USE TRAIL CONSTRUCTION (SOUTH BAY HARBOR), FROM ALBANY STREET AT UNION PARK STREET TO DORCHESTER AVENUE, INCLUDES TRAVELER STREET AND WEST 4TH STREET BOSTON- MULTI-USE TRAIL CONSTRUCTION (SOUTH BAY HARBOR), FROM RUGGLES STATION TO FORT POINT CHANNEL	6	CMAQ	\$ 3,191,689	\$ 2,553,351	\$ 638,338	Cost increase from \$2,229,018 to \$3,191,689
	608806	Boston	MULTIPLE	WATERTOWN-CAMBRIDGE- MULTI-USE PATH CONSTRUCTION	6	CMAQ	\$ 3,595,285	\$ 2,876,228	\$ 719,057	
	608650	Boston	SALEM	SALEM- ADAPTIVE SIGNAL CONTROLS ON ROUTE 107 (HIGHLAND AVENUE)	6	CMAQ	\$ 520,000	\$ 416,000	\$ 104,000	This project was in the STIP as STATEWIDE CMAQ - ADAPTIVE SIGNAL CONTROLS AT VARIOUS INTERSECTIONS (2017); Salem intersection selected as specific location
	607309	Boston	HINGHAM	HINGHAM- RECONSTRUCTION & RELATED WORK ON DERBY STREET, FROM POND PARK ROAD TO CUSHING STREET	5	CMAQ	\$ 1,788,278	\$ 1,430,622	\$ 357,656	HSIP+CMAQ+TAP+SW CMAQ Total Cost = \$6,716,047
	604810	Boston	MARLBOROUGH	MARLBOROUGH- RECONSTRUCTION OF ROUTE 85 (MAPLE STREET)	3	CMAQ	\$ 355,721	\$ 284,577	\$ 71,144	HSIP+CMAQ+STP+SW CMAQ Total Cost = \$5,969,357
Statewide CMAQ Subtotal ►							\$ 12,236,075	\$ 9,788,860	\$ 2,447,215	◀ 80% Federal + 20% Non-Federal

► **Statewide HSIP Program**

	607754	Boston	MILTON	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT GRANITE AVENUE & SQUANTUM STREET	6	HSIP	\$ 550,000	\$ 495,000	\$ 55,000	
	608458	Boston	REVERE	REVERE- GUIDE AND TRAFFIC SIGN REPLACEMENT ON ROUTE 1A	6	HSIP	\$ 1,612,477	\$ 1,289,982	\$ 322,495	Replaces project 608559, which was in the STIP as Various Safety Strategies to Address SHSP - To Be Determined
Statewide HSIP Program Subtotal ►							\$ 2,162,477	\$ 1,784,982	\$ 377,495	◀ 90% Federal + 10% Non-Federal

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► Statewide Infrastructure Program										
	608763	Boston	MEDFORD	MEDFORD- STONEHAM- WOBURN- READING- HIGHWAY LIGHTING REHABILITATION ON I-93 (PHASE	4	STP	\$ 19,543,464	\$ 15,634,771	\$ 3,908,693	
Statewide Infrastructure Program Subtotal ►							\$ 19,543,464	\$ 15,634,771	\$ 3,908,693	◀ 80% Federal + 20% Non-Federal
► Statewide Interstate Maintenance Program										
	607481	Boston	MULTIPLE	RANDOLPH- QUINCY- BRAintree- INTERSTATE MAINTENANCE & RELATED WORK ON I-93 (SB)	6	NHPP	\$ 4,773,000	\$ 4,295,700	\$ 477,300	
Statewide Interstate Maintenance Program Subtotal ►							\$ 4,773,000	\$ 4,295,700	\$ 477,300	◀ 90% Federal + 10% Non-Federal
► Statewide Intelligent Transportation Systems										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide ITS Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide National Freight Program										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide National Freight Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide National Highway System Preservation Program										
	607477	Boston	LYNNFIELD	LYNNFIELD- PEABODY- RESURFACING & RELATED WORK ON ROUTE 1	4	NHPP	\$ 8,892,334	\$ 7,113,867	\$ 1,778,467	
	607488	Boston	SOUTHBOROUGH	SOUTHBOROUGH- RESURFACING & RELATED WORK ON ROUTE 9, FROM THE FRAMINGHAM T.L TO WHITE BAGLEY ROAD	3	NHPP	\$ 4,760,219	\$ 3,808,175	\$ 952,044	
Statewide NHS Preservation Program Subtotal ►							\$ 13,652,553	\$ 10,922,042	\$ 2,730,511	◀ 80% Federal + 20% Non-Federal
► Statewide Planning Program										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide Planning Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide Railroad Grade Crossings										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide RR Grade Crossings Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Statewide Safe Routes to Schools Program										
	607998	Boston	EVERETT	EVERETT- IMPROVEMENTS AT MADELAINE ENGLISH (SRTS)	4	TAP	\$ 688,810	\$ 551,048	\$ 137,762	
	607999	Boston	REVERE	REVERE- IMPROVEMENTS AT GARFIELD ELEMENTARY & MIDDLE SCHOOL (SRTS)	4	TAP	\$ 825,000	\$ 660,000	\$ 165,000	
ADJUSTMENT:Change Funding Source	608003	Boston	WEYMOUTH	WEYMOUTH- IMPROVEMENTS AT PINGREE ELEMENTARY SCHOOL (SRTS)	6	SRTS	\$ 438,557	\$ 350,846	\$ 87,711	
	608004	Boston	WATERTOWN	WATERTOWN- IMPROVEMENTS AT HOSMER ELEMENTARY SCHOOL (SRTS)	6	TAP	\$ 1,701,393	\$ 1,361,114	\$ 340,279	
Statewide Safe Routes to Schools Program Subtotal ►							\$ 3,653,760	\$ 2,923,008	\$ 730,752	◀ Funding Split Varies by Funding Source

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- Indicates a new funding category

► **Statewide Stormwater Retrofits**

	608217	Boston	MULTIPLE	MARLBOROUGH-SUDBURY- STORMWATER IMPROVEMENTS ALONG ROUTE 20	3	STP-TE	\$ 150,958	\$ 120,766	\$ 30,192	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide Stormwater Retrofits Subtotal ►							\$ 150,958	\$ 120,766	\$ 30,192	◀ 80% Federal + 20% Non-Federal

► **Statewide Transportation Enhancements**

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

► **Other Statewide Items**

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

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

► **Non Federal Aid**

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

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

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

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

2017 Boston Region MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 264,048,339	\$ -	\$ 264,048,339	◀ Total Spending in Region
Federal Funds ►	\$ 212,835,399	\$ -	\$ 212,835,399	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 51,212,940	\$ -	\$ 51,212,940	◀ 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

07/28/2016 Endorsed
08/17/17 REVISION TWO Amendment Four (Draft)

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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- Indicates a new funding category

► Section 1A / Federal Aid Target Projects

► HSIP - Highway Safety Improvement Program

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

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	CMAQ	\$ 13,427,220	\$ 10,741,776	\$ 2,685,444	AC Yr 3 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	606635	Boston	Multiple	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	CMAQ	\$ 2,000,000	\$ 1,600,000	\$ 400,000	CMAQ+HSIP+TAP+STP Total Cost = 15,464,292
	604989	Boston	Southborough	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK	3	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	CMAQ+TAP+STP Total Cost = \$7,281,248
	605110	Boston	Brookline	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	TAP+STP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$6,273,202
CMAQ Subtotal ►							\$ 17,427,220	\$ 13,941,776	\$ 3,485,444	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

	604989	Boston	Southborough	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK	3	TAP	\$ 1,456,250	\$ 1,165,000	\$ 291,250	CMAQ+TAP+STP Total Cost = \$7,281,248
	606635	Boston	Multiple	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	TAP	\$ 1,546,492	\$ 1,237,194	\$ 309,298	CMAQ+HSIP+TAP+STP Total Cost = 15,464,292
	605110	Boston	Brookline	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	TAP	\$ 1,255,000	\$ 1,004,000	\$ 251,000	TAP+STP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$6,273,202
TAP Subtotal ►							\$ 4,257,742	\$ 3,406,194	\$ 851,548	◀ 80% Federal + 20% Non-Federal

2018 Boston Region MPO Transportation Improvement Program

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Indicates a new addition to the TIP (action taken as denoted)										
Indicates a new funding category										

► Non-CMAQ/HSIP/TAP (Other)

	601630	Boston	Multiple	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE	6	STP	\$ 19,591,490	\$ 15,673,192	\$ 3,918,298	AC Yr 3 of 4; STP+NHPP+HSIP+TEA-21 Earmark+BR Total Cost = \$81,812,268
	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	STP	\$ 26,572,780	\$ 21,258,224	\$ 5,314,556	AC Yr 3 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	603711	Boston	Multiple	NEEDHAM- WELLESLEY- REHAB/REPLACEMENT OF 6 BRIDGES ON I-95/ROUTE 128: N-04-020, N-04-021, N-04-022, N-04-026, N-04-027, N-04-037 & W-13-023 (ADD-A-LANE - CONTRACT V)	6	NHPP	\$ 1,988,367	\$ 1,590,694	\$ 397,673	AC Yr 5 of 5; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$26,258,183 programmed within FFYs 2017-21 TIP)
	604989	Boston	Southborough	SOUTHBOROUGH- RECONSTRUCTION OF MAIN STREET (ROUTE 30), FROM SEARS ROAD TO PARK	3	STP	\$ 4,824,998	\$ 3,859,998	\$ 965,000	CMAQ+TAP+STP Total Cost = \$7,281,248
	606635	Boston	Multiple	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	STP	\$ 9,598,156	\$ 7,678,525	\$ 1,919,631	CMAQ+HSIP+TAP+STP Total Cost = 15,464,292
	600518	Boston	Hingham	HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET	5	STP	\$ 2,446,188	\$ 1,956,950	\$ 489,238	STP+HSIP Total Cost = \$3,057,735
	605110	Boston	Brookline	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE	6	STP	\$ 3,018,202	\$ 2,414,562	\$ 603,640	TAP+STP+CMAQ+Private Sector Contribution (\$1,000,000) Total Cost = \$6,273,202
Non-CMAQ/HSIP/TAP (Other) Subtotal ►							\$ 68,040,181	\$ 54,432,145	\$ 13,608,036	◄ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 92,656,334	\$ 92,656,334	◄ Total Target	\$ 0	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 68,040,181	\$ -	◄ Max. Non-CMAQ/HSIP/TAP	\$ (74,690,294)	Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum
Total HSIP Programmed ►	\$ 2,931,191	\$ 4,296,710	◄ Min. HSIP	\$ 1,365,519	HSIP Recommended Not Met
Total CMAQ Programmed ►	\$ 17,427,220	\$ 10,741,776	◄ Min. CMAQ	\$ (6,685,444)	CMAQ Recommended Met
Total TAP Programmed ►	\$ 4,257,742	\$ 2,927,554	◄ Min. TAP	\$ (1,330,188)	TAP Requirement Exceeded!
HSIP, CMAQ, TAP Overprogrammed \$ (6,650,113)					

2018 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
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► Section 1B / Federal Aid Bridge Projects

► Statewide Systematic Maintenance Program

	607915	Boston	MULTIPLE	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	\$ 1,660,534	\$ 1,328,427	\$ 332,107	
	608521	Boston	SALEM	SALEM - BRIDGE MAINTENANCE, S-01-018 (32T), (ST 114) NORTH STREET OVER (ST 107) BRIDGE STREET &	4	NHPP	\$ 2,400,000	\$ 1,920,000	\$ 480,000	
Statewide Bridge Maintenance Program Subtotal ►							\$ 46,500,000	\$ 3,248,427	\$ 812,107	◀ 80% Federal + 20% Non-Federal

► On System

AMENDMENT: Increase Cost	604173	Boston	BOSTON	BOSTON- BRIDGE REPLACEMENT B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP	\$ 35,000,000	\$ 28,000,000	\$ 7,000,000	Change AC YR 2 of 5 to 2 of 6; NHPP-Br On System: 2018 - \$35,000,000 (was \$42,000,000); Total Programmed Federal Participating Cost increase from \$144,066,616 to \$157,546,729; City of Boston Contribution: \$14,444,195.50; and \$1,837,500 Non-Federal Aid funds = Total Project Cost: \$174,000,000.
	604952	Boston	MULTIPLE	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP	\$ 25,764,000	\$ 20,611,200	\$ 5,152,800	AC YR 1 of 2, YOY \$51,527,391
	608149	Boston	BURLINGTON	BURLINGTON- BRIDGE REPLACEMENT, B-29-010, I-95/ST 128 (NB) & I-95/ST128 (SB) OVER ROUTE 3A (CAMBRIDGE STREET)	4	NHPP	\$ 23,920,000	\$ 19,136,000	\$ 4,784,000	
	608522	Boston	MIDDLETON	MIDDLETON- BRIDGE REPLACEMENT- M-20-003, RT 62/MAPLE STREET OVER Ipswich RIVER	4	NHPP	\$ 4,160,000	\$ 3,328,000	\$ 832,000	
On System Subtotal ►							\$ 88,844,000	\$ 71,075,200	\$ 17,768,800	◀ 80% Federal + 20% Non-Federal

► Off-System

	604655	Boston	MARSHFIELD	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	5	STP-BR-OFF	\$ 3,023,938	\$ 2,419,150	\$ 604,788	
	606632	Boston	HOPKINTON	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	3	STP-BR-OFF	\$ 7,964,164	\$ 6,371,331	\$ 1,592,833	
	607133	Boston	QUINCY	QUINCY- SUPERSTRUCTURE REPLACEMENT, Q-01-039, ROBERTSON STREET OVER I-93/US 1/SR 3	6	STP-BR-OFF	\$ 3,260,452	\$ 2,608,361	\$ 652,090	
	607533	Boston	WALTHAM	WALTHAM- BRIDGE REPLACEMENT, W-04-006, WOERD AVENUE OVER CHARLES RIVER	4	STP-BR-OFF	\$ 2,344,742	\$ 1,875,794	\$ 468,948	
Off-System Subtotal ►							\$ 16,593,296	\$ 13,274,637	\$ 3,318,659	◀ 80% Federal + 20% Non-Federal

► Statewide Bridge Inspection Program

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

2018 Boston Region MPO Transportation Improvement Program

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► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

	606134	Boston	Boston	BOSTON- TRAFFIC SIGNAL IMPROVEMENTS ON BLUE HILL AVENUE AND WARREN STREET	6	HPP	\$ 2,501,046	\$ 2,000,837	\$ 500,209	Construction; HPP 2129 (MA155)
	606316	Boston	Brookline	BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET	6	HPP	\$ 751,106	\$ 600,885	\$ 150,221	Demo ID: MA 149 Repurposed earmark, formerly design and construct signal crossing and other safety improvements to Emerald Necklace Greenway Bicycle Trail, Town of Brookline

Other Federal Aid Subtotal ► \$ 3,252,152 \$ 2,601,722 \$ 650,430 ◀ Funding Split Varies by Funding Source

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

► Regional Major Infrastructure

				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	

Regional Major Infrastructure Subtotal ► \$ - \$ - \$ - ◀ 80% Federal + 20% Non-Federal

► Statewide Americans with Disability Act Implementation Plan

				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	

Statewide ADA Implementation Plan Subtotal ► \$ - \$ - \$ - ◀ 80% Federal + 20% Non-Federal

► Statewide Congestion Mitigation and Air Quality

	606223	Boston	MULTIPLE	ACTON- CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION (PHASE II-B)	4	CMAQ	\$ 5,990,400	\$ 4,792,320	\$ 1,198,080	
	607732	Boston	MULTIPLE	FRAMINGHAM- NATICK- COCHITUATE RAIL TRAIL CONSTRUCTION INCLUDING PEDESTRIAN BRIDGE, N-03-014, OVER ROUTE 9 & F-07-033=N-03-029 OVER	3	CMAQ	\$ 7,797,960	\$ 6,238,368	\$ 1,559,592	
	606316	Boston	BROOKLINE	BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET	6	CMAQ	\$ 3,087,024	\$ 2,469,619	\$ 617,405	decrease in funding source from \$3,838,130 to \$3,087,024. Additional of repurposed earmark MA 149 in Section 1C.

Statewide CMAQ Subtotal ► \$ 16,875,384 \$ 13,500,307 \$ 3,375,077 ◀ 80% Federal + 20% Non-Federal

► Statewide HSIP Program

	607748	Boston	ACTON	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS ON SR 2 & SR 111 (MASSACHUSETTS AVENUE) AT PIPER ROAD & TAYLOR ROAD	3	HSIP	\$ 561,600	\$ 505,440	\$ 56,160	
	607761	Boston	SWAMPSCOTT	Swampscott- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 1A (PARADISE ROAD) AT Swampscott MALL	4	HSIP	\$ 572,000	\$ 514,800	\$ 57,200	

Statewide HSIP Program Subtotal ► \$ 1,133,600 \$ 1,020,240 \$ 113,360 ◀ 90% Federal + 10% Non-Federal

2018 Boston Region MPO Transportation Improvement Program

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► **Statewide Infrastructure Program**

	606381	Boston	MULTIPLE	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	4	STP	\$ 9,100,506	\$ 7,280,405	\$ 1,820,101	
Statewide Infrastructure Program Subtotal ►							\$ 9,100,506	\$ 7,280,405	\$ 1,820,101	◄ 80% Federal + 20% Non-Federal

► **Statewide Interstate Maintenance Program**

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

► **Statewide Intelligent Transportation Systems**

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

► **Statewide National Freight Program**

				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide National Freight Program Subtotal ►							\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► **Statewide National Highway System Preservation Program**

	608587	Boston	DEDHAM	RECONSTRUCTION AND RELATED WORK ON BRIDGE STREET (ROUTE 109) AND AMES STREET	6	NHPP	\$ 5,459,341	\$ 4,367,473	\$ 1,091,868	
	608008	Boston	SAUGUS	SAUGUS - RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	\$ 9,945,936	\$ 7,956,749	\$ 1,989,187	
	608069	Boston	MULTIPLE	MARSHFIELD- PEMBROKE- NORWELL- HANOVER- ROCKLAND- HINGHAM- RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	\$ 16,504,800	\$ 13,203,840	\$ 3,300,960	
	608220	Boston	CONCORD	CONCORD- RESURFACING & RELATED WORK ON ROUTE 2	4	NHPP	\$ 1,747,200	\$ 1,397,760	\$ 349,440	
	608379	Boston	MULTIPLE	LEXINGTON- BELMONT- ARLINGTON- CAMBRIDGE- PAVEMENT PRESERVATION ON ROUTE 2	4	NHPP	\$ 7,706,400	\$ 6,165,120	\$ 1,541,280	NHS + Stormwater = \$8,906,400
Statewide NHS Preservation Program Subtotal ►							\$ 41,363,677	\$ 33,090,941	\$ 8,272,735	◄ 80% Federal + 20% Non-Federal

► **Statewide Planning Program**

				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide Planning Program Subtotal ►							\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► **Statewide Railroad Grade Crossings**

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

2018 Boston Region MPO Transportation Improvement Program

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► Statewide Safe Routes to Schools Program

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

► Statewide Stormwater Retrofits

	608217	Boston	MULTIPLE	MARLBOROUGH- SUDBURY- STORMWATER IMPROVEMENTS ALONG ROUTE 20	3	STP-TE	\$ 683,488	\$ 546,790	\$ 136,698	
	608379	Boston	MULTIPLE	LINGTON- BELMONT- ARLINGTON- CAMBRIDGE- PAVEMENT PRESERVATION ON ROUTE 2	4	STP-TE	\$ 1,200,000	\$ 960,000	\$ 240,000	NHS + Stormwater = \$8,906,400
Statewide Stormwater Retrofits Subtotal ►							\$ 1,883,488	\$ 1,506,790	\$ 376,698	◀ 80% Federal + 20% Non-Federal

► Statewide Transportation Enhancements

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

► Other Statewide Items

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

► Section 2A / Non-Federal Projects

► Non Federal Aid

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

► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

				No Projects Programmed		NFA	\$ -	\$ -	\$ -	
				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 ►	\$ 275,762,970	\$ -	\$ 275,762,970	◀ Total Spending in Region
Federal Funds ►	\$ 221,016,855	\$ -	\$ 221,016,855	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 54,746,115	\$ -	\$ 54,746,115	◀ Total Non-Federal Spending in Region

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

2019 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
08/17/17 REVISION TWO Amendment Four (Draft)

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► Section 1A / Federal Aid Target Projects

► HSIP - Highway Safety Improvement Program

	607428	Boston	Multiple	HOPEDALE- MILFORD- RESURFACING & INTERSECTION IMPROVEMENTS ON ROUTE 16 (MAIN STREET), FROM WATER STREET WEST TO APPROXIMATELY 120 FEET WEST OF THE MILFORD/HOPEDALE T.L AND THE INTERSECTION OF ROUTE 140.	3	HSIP	\$ 2,362,214	\$ 2,125,993	\$ 236,221	CMAQ+HSIP Total Cost = \$3,149,619
	607652	Boston	Everett	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	HSIP	\$ 1,448,825	\$ 1,303,943	\$ 144,883	CMAQ+STP+HSIP+TAP Total Cost = \$7,244,124
	606043	Boston	Hopkinton	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	HSIP	\$ 1,275,206	\$ 1,147,686	\$ 127,521	CMAQ+HSIP+STP Total Cost = \$8,501,376
HSIP Subtotal ►							\$ 5,086,246	\$ 4,577,621	\$ 508,625	◀ 90% Federal + 10% Non-Federal

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	CMAQ	\$ 13,427,220	\$ 10,741,776	\$ 2,685,444	AC Yr 4 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	605034	Boston	Natick	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	3	CMAQ	\$ 2,415,334	\$ 1,932,267	\$ 483,067	CMAQ+TAP+STP Total Cost = \$15,459,553
	607428	Boston	Multiple	HOPEDALE- MILFORD- RESURFACING & INTERSECTION IMPROVEMENTS ON ROUTE 16 (MAIN STREET), FROM WATER STREET WEST TO APPROXIMATELY 120 FEET WEST OF THE MILFORD/HOPEDALE T.L AND THE INTERSECTION OF ROUTE 140.	3	CMAQ	\$ 787,405	\$ 629,924	\$ 157,481	CMAQ+HSIP Total Cost = \$3,149,619
	607652	Boston	Everett	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	CMAQ	\$ 1,275,588	\$ 1,020,470	\$ 255,118	CMAQ+STP+HSIP+TAP Total Cost = \$7,244,124
	606043	Boston	Hopkinton	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	CMAQ+HSIP+STP Total Cost = \$8,501,376
CMAQ Subtotal ►							\$ 18,905,547	\$ 15,124,438	\$ 3,781,109	◀ 80% Federal + 20% Non-Federal

2019 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
08/17/17 REVISION TWO Amendment Four (Draft)

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► TAP - Transportation Alternatives Program

	605034	Boston	Natick	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	3	TAP	\$ 1,318,933	\$ 1,055,146	\$ 263,787	CMAQ+TAP+STP Total Cost = \$15,459,553
	607652	Boston	Everett	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	TAP	\$ 724,412	\$ 579,530	\$ 144,882	CMAQ+STP+HSIP+TAP Total Cost = \$7,244,124
	608352	Boston	Salem	SALEM- CANAL STREET RAIL TRAIL CONSTRUCTION (PHASE 2)	4	TAP	\$ 2,595,840	\$ 2,076,672	\$ 519,168	
TAP Subtotal ►							\$ 4,639,185	\$ 3,711,348	\$ 927,837	◀ 80% Federal + 20% Non-Federal

► Non-CMAQ/HSIP/TAP (Other)

	601630	Boston	Multiple	WEYMOUTH- ABINGTON- RECONSTRUCTION & WIDENING ON ROUTE 18 (MAIN STREET) FROM HIGHLAND PLACE TO ROUTE 139 (4.0 MILES) INCLUDES REPLACING W-32-013, ROUTE 18 OVER THE OLD COLONY RAILROAD (MBTA)	6	STP	\$ 8,040,268	\$ 6,432,214	\$ 1,608,054	AC Yr 4 of 4; STP+NHPP+HSIP+TEA-21 Earmark+BR Total Cost = \$81,812,268
	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	STP	\$ 26,572,780	\$ 21,258,224	\$ 5,314,556	AC Yr 4 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	605034	Boston	Natick	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	3	STP	\$ 11,725,286	\$ 9,380,229	\$ 2,345,057	CMAQ+TAP+STP Total Cost = \$15,459,553
	607652	Boston	Everett	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	STP	\$ 3,795,299	\$ 3,036,239	\$ 759,060	CMAQ+STP+HSIP+TAP Total Cost = \$7,244,124
	606043	Boston	Hopkinton	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	STP	\$ 6,226,170	\$ 4,980,936	\$ 1,245,234	CMAQ+HSIP+STP Total Cost = \$8,501,376
	605789	Boston	Boston	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	6	STP	\$ 7,853,499	\$ 6,282,799	\$ 1,570,700	STP+Earmarks Total Cost = \$25,297,839
Non-CMAQ/HSIP/TAP (Other) Subtotal ►							\$ 64,213,303	\$ 51,370,642	\$ 12,842,661	◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 92,844,280	\$ 92,626,333	◀ Total Target	\$ (217,947)	Funds Over Programmed
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 64,213,303	\$ -	◀ Max. Non-CMAQ/HSIP/TAP	\$ (74,923,454)	Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum
Total HSIP Programmed ►	\$ 5,086,246	\$ 4,296,710	◀ Min. HSIP	\$ (789,536)	HSIP Recommended Met
Total CMAQ Programmed ►	\$ 18,905,547	\$ 10,741,776	◀ Min. CMAQ	\$ (8,163,771)	CMAQ Recommended Met
Total TAP Programmed ►	\$ 4,639,185	\$ 2,882,340	◀ Min. TAP	\$ (1,756,845)	TAP Requirement Exceeded!

HSIP, CMAQ, TAP Overprogrammed \$ (10,710,152)

2019 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
08/17/17 REVISION TWO Amendment Four (Draft)

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	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 Systematic Maintenance Program

	608234	Boston	MULTIPLE	BOSTON- RANDOLPH- BRIDGE PRESERVATION OF 3 BRIDGES: B-16-165, R-01-005 & R-01-007	6	NHPP	\$ 46,500,000	\$ 1,990,285	\$ 497,571	
Statewide Bridge Maintenance Program Subtotal ►							\$ 46,500,000	\$ 1,990,285	\$ 497,571	◀ 80% Federal + 20% Non-Federal

► On System

AMENDMENT: Increase Cost	604173	Boston	BOSTON	BOSTON- BRIDGE REPLACEMENT B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP	\$ 21,000,000	\$ 16,800,000	\$ 4,200,000	Change AC YR 3 of 5 to 3 of 6; NHPP-Br On System: 2019 - \$21,000,000 (was \$42,000,000); Total Programmed Federal Participating Cost increase from \$144,066,616 to \$157,546,729; City of Boston Contribution: \$14,444,195.50; and \$1,837,500 Non-Federal Aid funds = Total Project Cost: \$174,000,000.
	604952	Boston	MULTIPLE	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP	\$ 25,763,391	\$ 20,610,713	\$ 5,152,678	AC YR 2 of 2, YOY \$51,527,391
On System Subtotal ►							\$ 46,763,391	\$ 37,410,713	\$ 9,352,678	◀ 80% Federal + 20% Non-Federal

► Off-System

	608079	Boston	SHARON	SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA	5	STP-BR-OFF	\$ 5,637,492	\$ 4,509,994	\$ 1,127,498	
	608255	Boston	STOW	STOW- BRIDGE REPLACEMENT, S-29-011, BOX MILL ROAD OVER ELIZABETH BROOK	3	STP-BR-OFF	\$ 1,600,560	\$ 1,280,448	\$ 320,112	
Off-System Subtotal ►							\$ 7,238,052	\$ 5,790,442	\$ 1,447,610	◀ 80% Federal + 20% Non-Federal

► Statewide Bridge Inspection Program

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

2019 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
08/17/17 REVISION TWO Amendment Four (Draft)

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► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

	605789	Boston	Boston	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	6	HPP	\$ 5,007,375	\$ 4,005,900	\$ 1,001,475	Construction; HPP 4284 (MA203); STP+Earmarks Total Cost = \$25,297,839
	605789	Boston	Boston	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	6	HPP	\$ 2,703,983	\$ 2,163,186	\$ 540,797	Construction; HPP 756 (MA126); STP+Earmarks Total Cost = \$25,297,839
	605789	Boston	Boston	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	6	HPP	\$ 6,259,219	\$ 5,007,375	\$ 1,251,844	Construction; (MA154); STP+Earmarks Total Cost = \$25,297,839
	605789	Boston	Boston	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	6	HPP	\$ 3,473,764	\$ 2,779,011	\$ 694,753	Construction; (MA194); STP+Earmarks Total Cost = \$25,297,839
	BN0008	Boston	Newburyport	Parker River National Wildlife Refuge - Replace Hellcat Trail Boardwalk	4	Other FA	\$ 1,200,000	\$ 960,000	\$ 240,000	Transfer to Eastern Federal Lands
Other Federal Aid Subtotal ►							\$ 18,644,340	\$ 13,955,472	\$ 3,488,868	◀ Funding Split Varies by Funding Source

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

► Regional Major Infrastructure

				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Regional Major Infrastructure Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Americans with Disability Act Implementation Plan

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

► Statewide Congestion Mitigation and Air Quality

	607888	Boston	MULTIPLE	BOSTON- BROOKLINE- MULTI-USE PATH CONSTRUCTION ON NEW FENWAY	6	CMAQ	\$ 1,838,827	\$ 1,471,062	\$ 367,765	
Statewide CMAQ Subtotal ►							\$ 1,838,827	\$ 1,471,062	\$ 367,765	◀ 80% Federal + 20% Non-Federal

► Statewide HSIP Program

	607759	Boston	BOSTON	BOSTON- INTERSECTION & SIGNAL IMPROVEMENTS AT THE VFW PARKWAY & SPRING STREET	6	HSIP	\$ 594,000	\$ 534,600	\$ 59,400	
	607763	Boston	MILTON	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS AT 2 LOCATIONS: SR 138 (BLUE HILL AVENUE) AT ATHERTON STREET & BRADLEE ROAD AND SR 138 (BLUE HILL AVENUE) AT MILTON STREET & DOLLAR LANE	6	HSIP	\$ 1,188,000	\$ 1,069,200	\$ 118,800	
	608052	Boston	NORWOOD	NORWOOD- INTERSECTION & SIGNAL IMPROVEMENTS AT US 1 (PROVIDENCE HIGHWAY) & MORSE STREET	5	HSIP	\$ 594,000	\$ 534,600	\$ 59,400	
	608205	Boston	MULTIPLE	READING TO LYNNFIELD- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF I-95 (SR 128)	4	HSIP	\$ 4,686,876	\$ 4,218,188	\$ 468,688	
	608206	Boston	MULTIPLE	CHELSEA TO DANVERS- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF US ROUTE 1	4	HSIP	\$ 7,471,818	\$ 6,724,636	\$ 747,182	
Statewide HSIP Program Subtotal ►							\$ 14,534,694	\$ 13,081,225	\$ 1,453,469	◀ 90% Federal + 10% Non-Federal

2019 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
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Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
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► **Statewide Infrastructure Program**

	608608	Boston	BRAINTREE	Braintree - Highway Lighting Improvements at I-93/ Route 3 Interchange	6	STP	\$ 7,500,000	\$ 6,000,000	\$ 1,500,000	AC Year 1 of 2. Total Cost = \$9,697,229.16.
Statewide Infrastructure Program Subtotal ►							\$ 7,500,000	\$ 6,000,000	\$ 1,500,000	◀ 80% Federal + 20% Non-Federal

► **Statewide Interstate Maintenance Program**

	608219	Boston	MULTIPLE	READING- WAKEFIELD- INTERSTATE MAINTENANCE AND RELATED WORK ON I-95	4	NHPP	\$ 4,717,440	\$ 4,245,696	\$ 471,744	
Statewide Interstate Maintenance Program Subtotal ►							\$ 4,717,440	\$ 4,245,696	\$ 471,744	◀ 90% Federal + 10% Non-Federal

► **Statewide Intelligent Transportation Systems**

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

► **Statewide National Freight Program**

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

► **Statewide National Highway System Preservation Program**

	608467	Boston	MULTIPLE	MARLBOROUGH- SUDBURY- RESURFACING AND RELATED WORK ON ROUTE 20	3	NHPP	\$ 10,681,200	\$ 8,544,960	\$ 2,136,240	
	608468	Boston	MULTIPLE	PEABODY- DANVERS- RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	\$ 13,016,160	\$ 10,412,928	\$ 2,603,232	
Statewide NHS Preservation Program Subtotal ►							\$ 23,697,360	\$ 18,957,888	\$ 4,739,472	◀ 80% Federal + 20% Non-Federal

► **Statewide Planning Program**

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

► **Statewide Railroad Grade Crossings**

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

► **Statewide Safe Routes to Schools Program**

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

► **Statewide Stormwater Retrofits**

	608214	Boston	WINCHESTER	WINCHESTER- STORMWATER IMPROVEMENTS ALONG ROUTE 3	4	STP-TE	\$ 241,920	\$ 193,536	\$ 48,384	
	608599	Boston	MULTIPLE	CANTON-FOXBOROUGH-NORWOOD-WALPOLE- STORMWATER IMPROVEMENTS ALONG ROUTE 1, ROUTE 1A, AND INTERSTATE 95	5	STP-TE	\$ 506,000	\$ 404,800	\$ 101,200	
Statewide Stormwater Retrofits Subtotal ►							\$ 747,920	\$ 598,336	\$ 149,584	◀ 80% Federal + 20% Non-Federal

2019 Boston Region MPO Transportation Improvement Program

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► Statewide Transportation Enhancements

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

► Other Statewide Items

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

► Section 2A / Non-Federal Projects

► Non Federal Aid

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

► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

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

2019 Boston Region MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 219,814,161	\$ -	\$ 219,814,161	◄ Total Spending in Region
Federal Funds ►	\$ 178,285,167	\$ -	\$ 178,285,167	◄ Total Federal Spending in Region
Non-Federal Funds ►	\$ 41,528,994	\$ -	\$ 41,528,994	◄ Total Non-Federal Spending in Region

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2020 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
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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			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
HSIP Subtotal ►							\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	CMAQ	\$ 13,427,220	\$ 10,741,776	\$ 2,685,444	AC Yr 5 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	604123	Boston	Ashland	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L	3	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	STP+CMAQ+TAP Total Cost = \$15,532,405
	602077	Boston	Lynn	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	4	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	CMAQ+STP Total Cost = \$4,953,270
	602261	Boston	Walpole	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	5	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	STP+CMAQ+TAP Total Cost = \$18,584,373
	606453	Boston	Boston	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	CMAQ	\$ 1,000,000	\$ 800,000	\$ 200,000	CMAQ+TAP+STP Total Cost = \$8,214,319
CMAQ Subtotal ►							\$ 17,427,220	\$ 13,941,776	\$ 3,485,444	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

	604123	Boston	Ashland	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L	3	TAP	\$ 2,106,481	\$ 1,685,185	\$ 421,296	STP+CMAQ+TAP Total Cost = \$15,532,405
	602261	Boston	Walpole	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	5	TAP	\$ 1,858,437	\$ 1,486,750	\$ 371,687	STP+CMAQ+TAP Total Cost = \$18,584,373
	606453	Boston	Boston	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	TAP	\$ 812,432	\$ 649,946	\$ 162,486	CMAQ+TAP+STP Total Cost = \$8,214,319
TAP Subtotal ►							\$ 4,777,350	\$ 3,821,880	\$ 955,470	◀ 80% Federal + 20% Non-Federal

2020 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
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Indicates a new funding category										

► **Non-CMAQ/HSIP/TAP (Other)**

	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	STP	\$ 26,572,780	\$ 21,258,224	\$ 5,314,556	AC Yr 5 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	604123	Boston	Ashland	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L.	3	STP	\$ 12,425,924	\$ 9,940,739	\$ 2,485,185	STP+CMAQ+TAP Total Cost = \$15,532,405
	602077	Boston	Lynn	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	4	STP	\$ 3,953,270	\$ 3,162,616	\$ 790,654	CMAQ+STP Total Cost = \$4,953,270
	602261	Boston	Walpole	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	5	STP	\$ 15,725,936	\$ 12,580,749	\$ 3,145,187	STP+CMAQ+TAP Total Cost = \$18,584,373
	606453	Boston	Boston	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	STP	\$ 6,401,887	\$ 5,121,510	\$ 1,280,377	CMAQ+TAP+STP Total Cost = \$8,214,319
	606226	Boston	Boston	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	STP	\$ 7,000,000	\$ 5,600,000	\$ 1,400,000	Yr 1 of 5; TAP+STP+Earmarks Total Cost = \$37,411,459
Non-CMAQ/HSIP/TAP (Other) Subtotal ►							\$ 72,079,797	\$ 57,663,838	\$ 14,415,959	◀ 80% Federal + 20% Non-Federal

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

Total Federal Aid Target Funds Programmed ►	\$ 94,284,367	\$ 94,819,913	◀ Total Target	\$ 535,546	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 72,079,797	\$ -	◀ Max. Non-CMAQ/HSIP/TAP	\$ (75,986,775)	Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum
Total HSIP Programmed ►	\$ -	\$ 4,296,710	◀ Min. HSIP	\$ 4,296,710	HSIP Recommended Not Met
Total CMAQ Programmed ►	\$ 17,427,220	\$ 10,741,776	◀ Min. CMAQ	\$ (6,685,444)	CMAQ Recommended Met
Total TAP Programmed ►	\$ 4,777,350	\$ 3,259,106	◀ Min. TAP	\$ (1,518,244)	TAP Requirement Exceeded!
HSIP, CMAQ, TAP Overprogrammed \$ (3,906,978)					

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

► **Statewide Systematic Maintenance Program**

	608609	Boston	MULTIPLE	NEWTON - WESTWOOD, BRIDGE NO. N-12-0056 AND W-31-006: CLEA AND PAIT STRUCTURAL STEEL	6	NHPP	\$ 2,400,000	\$ 1,920,000	\$ 480,000	
	608596	Boston	ESSEX	ESSEX- BRIDGE PRESERVATION, E-11-001, ROUTE 133 MAIN STREET OVER ESSEX RIVER	4	NHPP	\$ 46,500,000	\$ 2,150,400	\$ 537,600	
Statewide Bridge Maintenance Program Subtotal ►							\$ 48,900,000	\$ 4,070,400	\$ 1,017,600	◀ 80% Federal + 20% Non-Federal

2020 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
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► On System

AMENDMENT: Increase Cost	604173	Boston	BOSTON	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP	\$ 15,000,000	\$ 12,000,000	\$ 3,000,000	Change AC YR 4 of 5 to 4 of 6; NHPP-Br On System: 2020 - \$15,000,000 (was \$35,000,000); Total Programmed Federal Participating Cost increase from \$144,066,616 to \$157,546,729; City of Boston Contribution: \$14,444,195.50; and \$1,837,500 Non-Federal Aid funds = Total Project Cost: \$174,000,000.
	608009	Boston	BOXBOROUGH	BOXBOROUGH- BRIDGE REPLACEMENT, B-18-002, ROUTE 111 OVER I-495	3	NHPP	\$ 8,000,000	\$ 6,400,000	\$ 1,600,000	AC YR 1 of 2. Total Cost = 14,295,000
	608097	Boston	WOBURN	WOBURN- BRIDGE REPLACEMENT & RELATED WORK, W-43-028, WASHINGTON STREET OVER I-95	4	NHPP	\$ 14,000,000	\$ 11,200,000	\$ 2,800,000	
	605342	Boston	STOW	STOW- BRIDGE REPLACEMENT, S-29-001, (ST 62) GLEASONDALE ROAD OVER THE ASSABET RIVER	3	NHPP	\$ 6,706,560	\$ 5,365,248	\$ 1,341,312	
	608613	Boston	STONEHAM	STONEHAM - BRIDGE REPLACEMENT, S-27-008, MARBLE STREET OVER I-93	4	NHPP	\$ 15,523,120	\$ 12,418,496	\$ 3,104,624	
	608614	Boston	BOSTON	BOSTON - SUPERSTRUCTURE REPLACEMENT, B-16-179, AUSTIN STREET OVER I-93 RAMPS, MBTA COMMUTER RAIL AND ORANGE LINE	6	NHPP	\$ 19,673,600	\$ 15,738,880	\$ 3,934,720	
On System Subtotal ►							\$ 78,903,280	\$ 63,122,624	\$ 15,780,656	◀ 80% Federal + 20% Non-Federal

► Off-System

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

► Statewide Bridge Inspection Program

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

2020 Boston Region MPO Transportation Improvement Program

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Indicates a new funding category										

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

► Regional Major Infrastructure										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Regional Major Infrastructure Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Americans with Disability Act Implementation Plan										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Statewide ADA Implementation Plan Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Congestion Mitigation and Air Quality										
	607329	Boston	MULTIPLE	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 Subtotal ►							\$ 7,084,000	\$ 5,667,200	\$ 1,416,800	◀ 80% Federal + 20% Non-Federal

► Statewide HSIP Program										
	608562	Boston	SOMERVILLE	SOMERVILLE - SIGNAL AND INTERSECTION IMPROVEMENT ON I-93 AT MYSTIC AVENUE AND MCGRATH HIGHWAY (TOP 200 CRASH LOCATION)	4	HSIP	\$ 2,688,000	\$ 2,419,200	\$ 268,800	Design funds are programmed in FFY 2017 in Section 1C, under the Federal Aid Non-Target Project (HPP funds)
Statewide HSIP Program Subtotal ►							\$ 2,688,000	\$ 2,419,200	\$ 268,800	◀ 90% Federal + 10% Non-Federal

► Statewide Infrastructure Program										
	608611	Boston	MULTIPLE	CANTON-MILTON-RANDOLPH, REPLACEMENT AND REHABILITATION OF THE HIGHWAY LIGHTING SYSTEM AT THE ROUTE 24/ROUTE1/I-93 INTERCHANGE.	6	STP	\$ 9,591,791	\$ 7,757,783	\$ 1,834,008	
	608608	Boston	BRAINTREE	BRAINTREE - HIGHWAY LIGHTING IMPROVEMENTS AT I-93/ ROUTE 3 INTERCHANGE	6	STP	\$ 2,197,229	\$ 1,757,783	\$ 439,446	AC Year 2 of 2. Total Cost = \$9,697,229.16.
	607977	Boston	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NHPP	\$ 1,000,000	\$ 800,000	\$ 200,000	AC YEAR 1 OF 5. \$269M total cost. \$161.4M TFPC, 107.6M NFA.
Statewide Infrastructure Program Subtotal ►							\$ 12,789,020	\$ 10,315,567	\$ 2,473,454	◀ 80% Federal + 20% Non-Federal

► Statewide Interstate Maintenance Program										
	608208	Boston	MULTIPLE	QUINCY- MILTON- BOSTON- INTERSTATE MAINTENANCE & RELATED WORK ON I-93	6	NHPP	\$20,123,712	\$18,111,341	\$2,012,371	IM + Stormwater = \$20,625,472
Statewide Interstate Maintenance Program Subtotal ►							\$ 20,123,712	\$ 18,111,341	\$ 2,012,371	◀ 90% Federal + 10% Non-Federal

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

2020 Boston Region MPO Transportation Improvement Program

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► **Statewide National Freight Program**

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

► **Statewide National Highway System Preservation Program**

	608478	Boston	CONCORD	CONCORD- RESURFACING AND RELATED WORK ON ROUTE 2	4	NHPP	\$ 5,241,600	\$ 4,193,280	\$ 1,048,320	
	608480	Boston	FOXBOROUGH	FOXBOROUGH- WALPOLE- RESURFACING AND RELATED WORK ON ROUTE 1	5	NHPP	\$ 8,578,080	\$ 6,862,464	\$ 1,715,616	
	608482	Boston	MULTIPLE	CAMBRIDGE- SOMERVILLE- RESURFACING AND RELATED WORK ON ROUTE 28	6	NHPP	\$ 7,843,920	\$ 6,275,136	\$ 1,568,784	
	608483	Boston	WEYMOUTH	WEYMOUTH- RESURFACING AND RELATED WORK ON ROUTE 3A	6	NHPP	\$ 2,576,000	\$ 2,060,800	\$ 515,200	
Statewide NHS Preservation Program Subtotal ►							\$ 24,239,600	\$ 19,391,680	\$ 4,847,920	◀ 80% Federal + 20% Non-Federal

► **Statewide Planning Program**

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

► **Statewide Railroad Grade Crossings**

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

► **Statewide Safe Routes to Schools Program**

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

► **Statewide Stormwater Retrofits**

	608208	Boston	MULTIPLE	QUINCY- MILTON- BOSTON- INTERSTATE MAINTENANCE & RELATED WORK ON I-93	6	STP-TE	\$ 501,760	\$ 401,408	\$ 100,352	IM + Stormwater = \$20,625,472
Statewide Stormwater Retrofits Subtotal ►							\$ 501,760	\$ 401,408	\$ 100,352	◀ 80% Federal + 20% Non-Federal

► **Statewide Transportation Enhancements**

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

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► Other Statewide Items

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

► Section 2A / Non-Federal Projects

► Non Federal Aid

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

► Section 2B / Non-Federal Bridge Projects

► Section 2B / Non-Federal Bridge Projects

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

2020 Boston Region MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 245,701,739	\$ -	\$ 245,701,739	◀ Total Spending in Region
Federal Funds ►	\$ 198,926,913	\$ -	\$ 198,926,913	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 46,774,826	\$ -	\$ 46,774,826	◀ 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>

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Indicates a new funding category										

► Section 1A / Federal Aid Target Projects

► HSIP - Highway Safety Improvement Program

	608228	Boston	Framingham	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	3	HSIP	\$ 1,509,587	\$ 1,358,628	\$ 150,959	STP+HSIP+TAP Total Cost = \$10,063,912
	605857	Boston	Norwood	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	5	HSIP	\$ 631,724	\$ 568,552	\$ 63,172	HSIP+CMAQ+STP Total Cost = \$6,317,236
	608347	Boston	Beverly	BEVERLY- INTERSECTION IMPROVEMENTS @ 3 LOCATIONS: CABOT STREET (ROUTE 1A/97) @ DODGE STREET (ROUTE 1A), COUNTY WAY, LONGMEADOW ROAD & SCOTT STREET, MCKAY STREET @ BALCH STREET & VETERANS MEMORIAL BRIDGE (ROUTE 1A) AT RANTOUL, CABOT, WATER & FRONT STREETS	4	HSIP	\$ 2,339,729	\$ 2,105,756	\$ 233,973	HSIP+CMAQ Total Cost = \$3,509,576
HSIP Subtotal ►							\$ 4,481,040	\$ 4,032,936	\$ 448,104	◀ 90% Federal + 10% Non-Federal

► CMAQ - Congestion Mitigation and Air Quality Improvement Program

	BN0001	Boston	Multiple	Community Transportation Program	N/A	CMAQ	\$ 1,750,000	\$ 1,400,000	\$ 350,000	
	1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	CMAQ	\$ 10,000,000	\$ 8,000,000	\$ 2,000,000	AC Yr 6 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
	605857	Boston	Norwood	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	5	CMAQ	\$ 3,000,000	\$ 2,400,000	\$ 600,000	HSIP+CMAQ+STP Total Cost = \$6,317,236
	608347	Boston	Beverly	BEVERLY- INTERSECTION IMPROVEMENTS @ 3 LOCATIONS: CABOT STREET (ROUTE 1A/97) @ DODGE STREET (ROUTE 1A), COUNTY WAY, LONGMEADOW ROAD & SCOTT STREET, MCKAY STREET @ BALCH STREET & VETERANS MEMORIAL BRIDGE (ROUTE 1A) AT RANTOUL, CABOT, WATER & FRONT STREETS	4	CMAQ	\$ 1,169,847	\$ 935,878	\$ 233,969	HSIP+CMAQ Total Cost = \$3,509,576
CMAQ Subtotal ►							\$ 15,919,847	\$ 12,735,878	\$ 3,183,969	◀ 80% Federal + 20% Non-Federal

► TAP - Transportation Alternatives Program

	608228	Boston	Framingham	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	3	TAP	\$ 1,006,391	\$ 805,113	\$ 201,278	STP+HSIP+TAP Total Cost = \$10,063,912
	606501	Boston	Holbrook	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	5	TAP	\$ 289,088	\$ 231,270	\$ 57,818	TAP+STP+Earmark Total Cost = \$2,890,880
	606226	Boston	Boston	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	TAP	\$ 2,183,253	\$ 1,746,602	\$ 436,651	Yr 2 of 5; TAP+STP+Earmarks Total Cost = \$37,411,459
TAP Subtotal ►							\$ 3,478,732	\$ 2,782,986	\$ 695,746	◀ 80% Federal + 20% Non-Federal

2021 Boston Region MPO Transportation Improvement Program

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► Non-CMAQ/HSIP/TAP (Other)

1570	Boston	Multiple	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	N/A	STP	\$ 22,000,000	\$ 17,600,000	\$ 4,400,000	AC Yr 6 of 6; Total MPO Contribution = \$190,000,000; funding flexed to FTA; match provided by local contributions; STP+CMAQ+Section 5309 (Transit)
606226	Boston	Boston	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	STP	\$ 19,649,276	\$ 15,719,421	\$ 3,929,855	Yr 2 of 5; TAP+STP+Earmarks Total Cost = \$37,411,459
604996	Boston	Woburn	WOBURN- BRIDGE REPLACEMENT, W-43-017, NEW BOSTON STREET OVER MBTA	4	STP	\$ 17,784,392	\$ 14,227,514	\$ 3,556,878	
608228	Boston	Framingham	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	3	STP	\$ 7,547,934	\$ 6,038,347	\$ 1,509,587	STP+HSIP+TAP Total Cost = \$10,063,912
605857	Boston	Norwood	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	5	STP	\$ 2,685,512	\$ 2,148,410	\$ 537,102	HSIP+CMAQ+STP Total Cost = \$6,317,236
606501	Boston	Holbrook	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	5	STP	\$ 1,074,542	\$ 859,634	\$ 214,908	TAP+STP+Earmark Total Cost = \$2,890,880
Non-CMAQ/HSIP/TAP (Other) Subtotal ►						\$ 70,741,656	\$ 56,593,325	\$ 14,148,331	◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Total Federal Aid Target Funds Programmed ►	\$ 94,621,275	\$ 94,819,913	◀ Total Target	\$ 198,638	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 70,741,656		◀ Max. Non-CMAQ/HSIP/TAP	\$ (76,586,668)	Non-CMAQ/HSIP/TAP (Other) Exceeds Maximum
Total HSIP Programmed ►	\$ 4,481,040	\$ 4,296,710	◀ Min. HSIP	\$ (184,330)	HSIP Recommended Met
Total CMAQ Programmed ►	\$ 15,919,847	\$ 10,741,776	◀ Min. CMAQ	\$ (5,178,071)	CMAQ Recommended Met
Total TAP Programmed ►	\$ 3,478,732	\$ 2,996,121	◀ Min. TAP	\$ (482,611)	TAP Requirement Exceeded!
HSIP, CMAQ, TAP Overprogrammed \$ (5,845,012)					

2021 Boston Region MPO Transportation Improvement Program

07/28/2016 Endorsed
08/17/17 REVISION TWO Amendment Four (Draft)

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► Section 1B / Federal Aid Bridge Projects

► Statewide Systematic Maintenance Program

	608610	Boston	NEWTON	NEWTON, BRIDGE NUMBER N-12-055: CLEAN AND PAINT STRUCTURAL STEEL	6	NHPP	\$ 2,308,000	\$ 1,846,400	\$ 461,600		
Statewide Bridge Maintenance Program Subtotal ►							\$ 2,308,000	\$ 1,846,400	\$ 461,600	◀ 80% Federal + 20% Non-Federal	
							\$ 46,500,000				

► On System

AMENDMENT: Increase Cost	604173	Boston	BOSTON	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP	\$ 11,066,617	\$ 8,853,294	\$ 2,213,323	Change AC YR 5 of 5 to 5 of 6; NHPP-Br On System: 2021 - \$11,066,617 (was \$18,666,616); Total Programmed Federal Participating Cost increase from \$144,066,616 to \$157,546,729; City of Boston Contribution: \$14,444,195.50; and \$1,837,500 Non-Federal Aid funds = Total Project Cost: \$174,000,000.
	608009	Boston	BOXBOROUGH	BOXBOROUGH- BRIDGE REPLACEMENT, B-18-002, ROUTE 111 OVER I-495	3	NHPP	\$ 6,295,000	\$ 5,036,000	\$ 1,259,000	AC YR 2 of 2. Total Cost = 14,295,000
On System Subtotal ►							\$ 17,361,617	\$ 13,889,294	\$ 3,472,323	◀ 80% Federal + 20% Non-Federal

► Off-System

	608637	Boston	MAYNARD	MAYNARD - BRIDGE REPLACEMENT, M-10-006, FLORIDA ROAD OVER ASSABET RIVER	D3	STP-BR-OFF	\$ 1,646,620	\$ 1,317,296	\$ 329,324	
Off-System Subtotal ►							\$ 1,646,620	\$ 1,317,296	\$ 329,324	◀ 80% Federal + 20% Non-Federal

► Statewide Bridge Inspection Program

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

► Section 1C / Federal Aid Non-Target Projects

► Other Federal Aid

	606501	Boston	Holbrook	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	5	HPP	\$ 1,527,250	\$ 1,221,800	\$ 305,450	Construction; TAP+STP+Earmark (MA177) Total Cost = \$2,890,880
	606226	Boston	Boston	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	HPP	\$ 126,970	\$ 101,576	\$ 25,394	Construction; (MA183); Yr 2 of 5; TAP+STP+Earmarks Total Cost = \$37,411,459
	606226	Boston	Boston	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	HPP	\$ 8,451,960	\$ 6,761,568	\$ 1,690,392	Construction; (MA210); Yr 2 of 5; TAP+STP+Earmarks Total Cost = \$37,411,459
Other Federal Aid Subtotal ►							\$ 10,106,180	\$ 8,084,944	\$ 2,021,236	◀ Funding Split Varies by Funding Source

2021 Boston Region MPO Transportation Improvement Program

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

► Regional Major Infrastructure

				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
Regional Major Infrastructure Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Statewide Americans with Disability Act Implementation Plan

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

► Statewide Congestion Mitigation and Air Quality

	607901	Boston	DEDHAM	DEDHAM- PEDESTRIAN IMPROVEMENTS ALONG ELM STREET & RUSTCRAFT ROAD CORRIDORS	6	CMAQ	\$ 2,581,113	\$ 2,064,891	\$ 516,223	
Statewide CMAQ Subtotal ►							\$ 2,581,113	\$ 2,064,891	\$ 516,223	◀ 80% Federal + 20% Non-Federal

► Statewide HSIP Program

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

► Statewide Infrastructure Program

	607977	Boston	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NHPP	\$ 37,500,000	\$ 30,000,000	\$ 7,500,000	AC YEAR 2 OF 5. \$269M total cost. \$161.4M TFPC, 107.6M NFA.
Statewide Infrastructure Program Subtotal ►							\$ 37,500,000	\$ 30,000,000	\$ 7,500,000	◀ 80% Federal + 20% Non-Federal

► Statewide Interstate Maintenance Program

	608210	Boston	MULTIPLE	FOXBOROUGH- PLAINVILLE- WRENTHAM- FRANKLIN- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	5	NHPP	\$ 26,680,000	\$ 24,012,000	\$ 2,668,000	
Statewide Interstate Maintenance Program Subtotal ►							\$ 26,680,000	\$ 24,012,000	\$ 2,668,000	◀ 90% Federal + 10% Non-Federal

► Statewide Intelligent Transportation Systems

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

► Statewide National Freight Program

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

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► **Statewide National Highway System Preservation Program**

	608484	Boston	MULTIPLE	CANTON- MILTON- RESURFACING AND RELATED WORK ON ROUTE 138	6	NHPP	\$ 13,766,880	\$ 11,013,504	\$ 2,753,376	
	608476	Boston	SOUTHBOROUG H	SOUTHBOROUG- RESURFACING AND RELATED WORK ON ROUTE 30	3	NHPP	\$ 2,784,000	\$ 2,227,200	\$ 556,800	
Statewide NHS Preservation Program Subtotal ►							\$ 16,550,880	\$ 13,240,704	\$ 3,310,176	◀ 80% Federal + 20% Non-Federal

► **Statewide Planning Program**

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

► **Statewide Railroad Grade Crossings**

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

► **Statewide Safe Routes to Schools Program**

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

► **Statewide Stormwater Retrofits**

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

► **Statewide Transportation Enhancements**

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

► **Other Statewide Items**

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

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► Section 2A / Non-Federal Projects

► Non Federal Aid

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

2021 Boston Region MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 209,355,685	\$ -	\$ 209,355,685	◀ Total Spending in Region
Federal Funds ►	\$ 170,600,652		\$ 170,600,652	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 38,755,033	\$ -	\$ 38,755,033	◀ 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>