



U.S. Department
of Transportation
**Federal Highway
Administration**

Massachusetts Division

September 11, 2018

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Cambridge, MA 02142
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In Reply Refer To:
HDA-MA

David J. Mohler
Executive Director
Office of Transportation Planning
Massachusetts Department of Transportation
10 Park Plaza
Boston, MA 02116-3969

Subject: FY 2018-2022 Statewide Transportation Improvement Program Amendment #7

Dear Mr. Mohler:

Thank you for your letter dated September 5, 2018. The Federal Highway Administration has reviewed the Fiscal Years 2018-2022 Statewide Transportation Improvement Program (STIP) with the following amendments and adjustments received from the Massachusetts Department of Transportation.

<u>Action</u>	<u>Organization</u>
.45-.49	Adjustments
37.01	Central Mass Amendments
38.01-38.04	Boston Amendments
39.01-39.02	Merrimack Valley Amendments
40.01	Pioneer Valley Amendments
41.01-41.06	Statewide Amendments

The projects in the STIP are based on a planning process that substantially meets the requirements of Title 23, U.S.C., the Federal Transit Act and Subparts A, B, and C of 23 CFR 450. The Transportation Improvement Programs (TIPs) are based on a continuing, comprehensive transportation planning process carried out cooperatively by the State, the MPOs, and the transit operators.

The FY 2018-2022 STIP highway actions identified above are hereby approved. Should you have any questions or concerns, please contact me at (617) 494-3275 or Cassie Chase Ostrander at (617) 494-3113.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nelson Hoffman', with a stylized, cursive script.

Nelson Hoffman
Program Development Team Leader

cc: Leah Sirmin, FTA Region I
Ariel Garcia, EPA



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, MassDOT Secretary & CEO

massDOT
Massachusetts Department of Transportation

September 5, 2018

Jeff H. McEwen
Division Administrator
Federal Highway Administration
55 Broadway – 10th floor
Cambridge, Massachusetts 02142

Dear Mr. McEwen:

On behalf of Secretary Stephanie Pollack, I am writing to request your approval of the attached regional highway actions as endorsed by the Boston Region Metropolitan Planning Organization (MPO), Central Mass MPO, Merrimack Valley MPO, Montachusett MPO, Pioneer Valley MPO, and statewide highway actions as advanced by the Massachusetts Department of Transportation (MassDOT) pertaining to the Federal Fiscal Years 2018-2022 State Transportation Improvement Program:

.45-.49	Adjustments	
37.01	Central Mass Amendments	August 15, 2018
38.01-38.04	Boston Amendments	August 16, 2018
39.01-39.02	Merrimack Valley Amendments	August 22, 2018
40.01	Pioneer Valley Amendments	August 30, 2018
41.01-41.06	Statewide Amendments	August 30, 2018

These actions do not require an air quality conformity determination. If you have any questions, please call me at (857) 368-8865.

Sincerely,

David J. Mohler
Executive Director
Office of Transportation Planning

cc: Steve Woelfel, Deputy Executive Director
Bryan K. Pounds, Manager, MPO Activities
Kostandin Theodori, FAPRO
Federal Transit Administration

Massachusetts Department of Transportation - State Transportation Improvement Program

Highway Actions Report 2018-2022

PROJECT INFORMATION					CURRENT					REVISED					FINANCIAL CONSTRAINT	
#	MPO	Project ID	Location	Description	Source	Total	Federal	Non - Federal	Year	Source	Total	Federal	Non- Federal	Year	Amendment Description	Date
.45	MONTACHU SETT	608864	GARDNER	GARDNER- BRIDGE REPLACEMENT, G-01-008, PLEASANT STREET OVER THE B&M RAILROAD Construction; Cost Adjusted from \$4,404,240 to \$3,606,296 as Adjustment #3 8/15/2018	NHPP-OFF	\$4,404,240	\$3,523,392	\$880,848	2018	NHPP-OFF	\$3,606,296	\$2,885,037	\$721,259	2018	ADJUSTMENT:Decrease Cost	08/15/18
.46	STATEWIDE	EWO	MULTIPLE	Award adjustments, change orders, etc. Reduce programmed amount to account for Bridge and Tunnel Inspection 2019-2020	NHPP	\$16,250,000	\$13,000,000	\$3,250,000	2018	NHPP	\$9,430,069	\$7,544,055	\$1,886,014	2018	ADJUSTMENT:Decrease Cost	08/30/18
.47	STATEWIDE	EWO	MULTIPLE	Award adjustments, change orders, etc.	STP-BR-OFF	\$1,250,000	\$1,000,000	\$250,000	2018						ADJUSTMENT:Remove Project	08/30/18
.48	STATEWIDE	UPWP19	MULTIPLE	Metropolitan Planning	PL	\$9,825,026	\$7,860,021	\$1,965,005	2018	PL	\$11,087,375	\$8,869,900	\$2,217,475	2018	ADJUSTMENT:Increase Cost	09/11/18
.49	STATEWIDE	UPWP19	MULTIPLE	Metropolitan Planning	SPR	\$1,012,803	\$810,242	\$202,561	2018	SPR	\$1,423,720	\$1,138,976	\$284,744	2018	ADJUSTMENT:Increase Cost	09/11/18
37.01	CENTRAL MA	608191	WEST BROOKFIELD	WEST BROOKFIELD- SIDEWALK AND WHEELCHAIR CONSTRUCTION ON ROUTE 9 Construction / PSAC Score 16	CMAQ	\$756,024	\$604,819	\$151,205	2018						AMENDMENT:Remove Project	08/15/18
38.01	BOSTON	606632	MULTIPLE	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER Construction Cost decreased from \$12,993,071	STP-BR-OFF	\$11,465,706	\$9,172,565	\$2,293,141	2018						AMENDMENT:Remove Project	08/16/18
38.02	BOSTON	608008	SAUGUS	SAUGUS- RESURFACING AND RELATED WORK ON ROUTE 1 Construction Amendment Six cost increase: from \$9,812,880, to \$11,076,010	NHPP	\$9,812,880	\$7,850,304	\$1,962,576	2018	NHPP	\$11,076,010	\$8,860,808	\$2,215,202	2018	AMENDMENT:Increase Cost	08/16/18
38.03	BOSTON	604804	READING	READING- RESURFACING AND RELATED WORK ON ROUTE 28 Replacement for Lynnfield/Peabody (607477) in FFY 2017 (TFPC was \$8,892,334) Amendment Six cost decrease: from \$7,424,556, to \$6,063,543	NHPP	\$7,424,556	\$5,939,645	\$1,484,911	2018	NHPP	\$6,063,543	\$4,850,834	\$1,212,709	2018	AMENDMENT:Decrease Cost	08/16/18
38.04	BOSTON	606381	MULTIPLE	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2 Construction; Amendment Four: total cost increasing from \$9,100,506 to \$14,178,273. Increase covered under Section 2A/Safety Improvements Amendment Six cost increase: from \$14,178,273, to \$15,714,202 (see Section 1B for additional funding dedicated to th	STP	\$10,964,148	\$8,771,319	\$2,192,830	2018	STP	\$12,500,077	\$10,000,062	\$2,500,015	2018	AMENDMENT:Increase Cost	08/16/18
39.01	MERRIMACK	607737	MULTIPLE	AMESBURY- SALISBURY- TRAIL CONNECTOR @ I-95 a) Construction; b) \$3,167,723 = \$592,918 STP + \$2,574,805 SW TAP; PSAC score 37					2018	STP	\$592,918	\$474,334	\$118,584	2018	AMENDMENT:Add Funding Source	08/22/18

Massachusetts Department of Transportation - State Transportation Improvement Program

Highway Actions Report 2018-2022

PROJECT INFORMATION					CURRENT					REVISED					FINANCIAL CONSTRAINT	
#	MPO	Project ID	Location	Description	Source	Total	Federal	Non - Federal	Year	Source	Total	Federal	Non- Federal	Year	Amendment Description	Date
39.02	MERRIMACK	607737	MULTIPLE	AMESBURY- SALISBURY- TRAIL CONNECTOR @ I-95 a) Construction; b) \$3,167,723 = \$592,918 STP + \$2,574,805 SW TAP; PSAC score 37	TAP	\$2,574,805	\$2,059,844	\$514,961	2018	TAP	\$2,574,805	\$2,059,844	\$514,961	2018	AMENDMENT:Change Addl Info	08/22/18
40.01	PIONEER	600936	HOLYOKE	HOLYOKE- BRIDGE REPLACEMENT, H-21-018, LYMAN STREET OVER FIRST LEVEL CANAL Increase cost from \$8,019,034	NHPP-ON	\$8,019,034	\$6,415,227	\$1,603,807	2018	NHPP-ON	\$8,977,713	\$7,182,170	\$1,795,543	2018	AMENDMENT:Increase Cost	08/30/18
41.01	STATEWIDE	BRI18	MULTIPLE	Bridge Inspection 2019-2020 NBIS Program	NHPP	\$13,000,000	\$10,400,000	\$2,600,000	2018	NHPP	\$18,919,931	\$15,135,945	\$3,783,986	2018	AMENDMENT:Increase Cost	08/30/18
41.02	STATEWIDE	TI18	MULTIPLE	Tunnel Inspection 2019-2020 NTIS Program					2018	NHPP	\$900,000	\$720,000	\$180,000	2018	AMENDMENT:Add Project	08/30/18
41.03	STATEWIDE	BRI18	MULTIPLE	Bridge Inspection 2019-2020 NBIS Program	STP-BR-OFF	\$4,900,000	\$3,920,000	\$980,000	2018	STP-BR-OFF	\$8,059,069	\$6,447,255	\$1,611,814	2018	AMENDMENT:Increase Cost	08/30/18
41.04	STATEWIDE	608581	MULTIPLE	STATEWIDE-VARIOUS SAFETY STRATEGIES TO ADDRESS SHSP-TO BE DETERMINED (2018) Cost adjusted for adding Project ID 608893 Norton Median Cable Barrier Installation on I-495 in Southeastern Mass MPO	HSIP	\$343,503	\$309,153	\$34,350	2018						AMENDMENT:Remove Project	08/30/18
41.05	STATEWIDE	SPR118	MULTIPLE	State Planning and Research Work Program I, (SPR I), Planning	SPR	\$13,033,371	\$10,426,697	\$2,606,674	2018	SPR	\$18,540,311	\$14,832,249	\$3,708,062	2018	AMENDMENT:Increase Cost	08/30/18
41.06	STATEWIDE	SPR218	MULTIPLE	State Planning and Research Work Program II, (SPR II), Research	RD	\$4,500,000	\$3,600,000	\$900,000	2018	RD	\$6,998,508	\$5,598,806	\$1,399,702	2018	AMENDMENT:Increase Cost	08/30/18

2018

Montachusett Region Transportation Improvement Program

Amendments #1, 3 and 4; Adjustment #3

Amendment /Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ Present information as follows, if applicable: a) Planning / Design / or Construction; b) total project cost and
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► Section 1A / Regionally Prioritized Projects

► Regionally Prioritized Projects

	Intersection improvements program	608188	Montachusett	Multiple	GARDNER- LEOMINSTER- STERLING- INTERSECTION IMPROVEMENTS AT 3 LOCATIONS	3	HSIP	\$ 1,560,844	\$ 1,404,760	\$ 156,084	Construction; Total \$2,622,497; Regional HSIP (\$1,560,844), Regional STP (\$524,375) & Statewide HSIP (\$537,278); TEC = 44; Locations: Gardner - Rt 2/Rt 68; Leominster - Leominster Connector/Nashua St; Sterling - Rt 12/Pratt Junction Rd/North Row Rd; Cost Amendmened in TIP Amendment #3
	Intersection improvements program	608188	Montachusett	Multiple	GARDNER- LEOMINSTER- STERLING- INTERSECTION IMPROVEMENTS AT 3 LOCATIONS	3	STP	\$ 524,375	\$ 419,500	\$ 104,875	Construction; Total \$2,622,497; Regional HSIP (\$1,560,844), Regional STP (\$524,375) & Statewide HSIP (\$537,278); TEC = 44; Locations: Gardner - Rt 2/Rt 68; Leominster - Leominster Connector/Nashua St; Sterling - Rt 12/Pratt Junction Rd/North Row Rd; Cost Amendmened in TIP Amendment #3
	Roadway reconstruction program	606124	Montachusett	Multiple	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	TAP	\$ 86,238	\$ 68,990	\$ 17,248	Construction; Total \$7,778,868; CMAQ/TAP/STP; AC Year 2 of 2; TEC = 50; TAP Proponent - State/Communities; Scheduled Adv in FFY 2017; Total Cost \$9,939,131;
	Roadway reconstruction program	606124	Montachusett	Multiple	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	STP	\$ 7,692,630	\$ 6,154,104	\$ 1,538,526	Construction; Total \$7,778,868; CMAQ/TAP/STP; AC Year 2 of 2; TEC = 50; TAP Proponent - State/Communities; Scheduled Adv in FFY 2017; Total Cost \$9,939,131;
Regionally Prioritized Projects subtotal ►								\$ 9,864,087	\$ 8,047,354	\$ 1,816,733	◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Total Regional Federal Aid Funds Programmed ►		\$ 9,864,087	\$ 9,864,087	◀Total Budget	\$ 0	Target Funds Available	
Section 1A Instructions: MPO (template name) Choose regional name from dropdown list to populate header and MPO column. Column C) Enter ID from ProjectInfo; Column E) Choose Municipality Name from dropdown list; Column H) Choose the Funding Source being used for the project - if multiple funding sources are being used enter multiple lines; Column I) Enter the total amount of funds being programmed in this fiscal year and for each funding source; Column J) Federal funds autocalculates. Please verify the amount and only change if needed for flex. Column K) Non-federal funds autocalculates. Please verify the split/match - if matching an FTA flex, coordinate with Rail & Transit Division before programming; Column L) Enter Additional Information as described - please do not use a		STP programmed ►	\$ 8,217,005	\$ 8,217,005	◀ Max STP	\$ 0	STP available
		HSIP programmed ►	\$ 1,560,844	\$ 445,955	◀ Min. HSIP	\$ (1,114,889)	HSIP recommended met
		CMAQ programmed ►	\$ -	\$ 1,114,889	◀ Min. CMAQ	\$ 1,114,889	CMAQ recommended not met
		TAP programmed ►	\$ 86,238	\$ 86,238	◀ Min. TAP	\$ 0	TAP recommended not met
		Remaining HSIP, CMAQ, and TAP Funds	\$ 0				

► Section 1B / Earmark or Discretionary Grant Funded Projects

► Other Federal Aid

	Earmark Discretionary	604767	Montachusett	Multiple	Gardner North Central Pathway Design	3	HPP	\$ 375,000	\$ 300,000	\$ 75,000	Earmark total is \$4,000,000; HPP 1789 MA 148; Local Match; Project Added in Amendment #1
	Earmark Discretionary	Project #	Montachusett	Municipalities	Description	District	HPP	\$ -	\$ -	\$ -	
Other Federal Aid subtotal ►								\$ 375,000	\$ 300,000	\$ 75,000	◀ Funding Split Varies by Funding Source

► Section 2A / State Prioritized Reliability Projects

► Bridge Program / Inspections

	Bridge Program	Project #	MPO	Municipalities	Description	District	NHPP	\$ -	\$ -	\$ -	
Bridge Program / Inspections subtotal ►								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Bridge Program / Off-System

	Bridge Program	607127	Montachusett	Hubbardston	HUBBARDSTON- BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	3	STP-BR-OFF	\$ 1,598,852	\$ 1,279,082	\$ 319,770	Construction
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	Bridge Program	608179	Montachusett	Royalston	ROYALSTON- BRIDGE REPLACEMENT, R-12-009, NORTH FITZWILLIAM ROAD OVER LAWRENCE BROOK	2	STP-BR-OFF	\$ 1,721,880	\$ 1,377,504	\$ 344,376	Construction
Bridge Program / Off-System subtotal ►								\$ 3,320,732	\$ 2,656,586	\$ 664,146	◄ 80% Federal + 20% Non-Federal

► Bridge Program / On-System (NHS)

	Bridge Program	605094	Montachusett	Fitchburg	FITCHBURG- BRIDGE REPLACEMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	3	NHPP-On	\$ 3,120,258	\$ 2,496,206	\$ 624,052	Construction
Bridge Program / On-System (NHS) subtotal ►								\$ 3,120,258	\$ 2,496,206	\$ 624,052	◄ Funding Split Varies by Funding Source

► Bridge Program / On-System (Non-NHS)

ADJUSTMENT: Decrease Cost	Bridge Program	608864	Montachusett	Gardner	GARDNER- BRIDGE REPLACEMENT, G-01-008, PLEASANT STREET OVER THE B&M RAILROAD	3	NHPP-Off	\$ 3,606,296	\$ 2,885,037	\$ 721,259	Construction; Cost Adjusted from \$4,404,240 to \$3,606,296 as Adjustment #3 8/15/2018
Bridge Program / On-System (Non-NHS) subtotal ►								\$ 3,606,296	\$ 2,885,037	\$ 721,259	◄ 80% Federal + 20% Non-Federal

► Bridge Program / Systematic Maintenance

	Bridge Program	Project #	MPO	Municipalities	Description	District	NHPP-On	\$ -	\$ -	\$ -	
Bridge Program / Systematic Maintenance subtotal ►								\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

► Interstate Pavement

	Interstate Pavement	Project #	MPO	Municipalities	Description	District	NHPP	\$ -	\$ -	\$ -	
Interstate Pavement subtotal ►								\$ -	\$ -	\$ -	◄ 90% Federal + 10% Non-Federal

► Non-Interstate Pavement

	Non-Interstate Pavement	Project #	MPO	Municipalities	Description	District	NHPP	\$ -	\$ -	\$ -	
Non-Interstate Pavement subtotal ►								\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► Roadway Improvements

	Roadway Improvements	Project #	MPO	Municipalities	Description	District	STP	\$ -	\$ -	\$ -	
Roadway Improvements subtotal ►								\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► Safety Improvements

	Safety Improvements	Project #	MPO	Municipalities	Description	District	STP	\$ -	\$ -	\$ -	
Safety Improvements subtotal ►								\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

► Section 2B / State Prioritized Modernization Projects

► ADA Retrofits

	ADA Retrofits	Project #	MPO	Municipalities	Description	District	STP	\$ -	\$ -	\$ -	
ADA Retrofits subtotal ►								\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► Intersection Improvements

	Intersection Improvements	608188	Montachusett	Multiple	GARDNER- LEOMINSTER- STERLING- INTERSECTION IMPROVEMENTS AT 3 LOCATIONS	3	HSIP	\$ 537,278	\$ 483,550	\$ 53,728	Construction / PSAC score 53.5; Amendment #3
Intersection Improvements subtotal ►								\$ 537,278	\$ 483,550	\$ 53,728	◄ Funding Split Varies by Funding Source

► Intelligent Transportation Systems

	Intelligent Transportation Systems	Project #	MPO	Municipalities	Description	District	NHPP	\$ -	\$ -	\$ -	
Intelligent Transportation System subtotal ►								\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► Roadway Reconstruction

	Roadway Reconstruction	Project #	MPO	Municipalities	Description	District	CMAQ	\$ -	\$ -	\$ -	
Roadway Reconstruction subtotal ►								\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► Section 2C / State Prioritized Expansion Projects

2018 Central Mass Region Transportation Improvement Program

Amendment / Adjustment Type ▾	STIP Program ▾	MassDOT Project ID ▾	Metropolitan Planning Organization ▾	Municipality Name ▾	MassDOT Project Description ▾	MassDOT District ▾	Funding Source ▾	Total Programmed Funds ▾	Federal Funds ▾	Non-Federal Funds ▾	Additional Information ▴ <i>Present information as follows, if applicable: a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information</i>
Non-Interstate Pavement subtotal ▶								\$ 4,715,280	\$ 3,772,224	\$ 943,056	◀ 80% Federal + 20% Non-Federal
► Roadway Improvements											
	Roadway Improvements	608394	Central Mass	Sturbridge	STURBRIDGE- STORMWATER IMPROVEMENTS ALONG ROUTE 20 AND INTERSTATE 84	3	STP-TE	\$ 700,000	\$ 560,000	\$ 140,000	Construction
Roadway Improvements subtotal ▶								\$ 700,000	\$ 560,000	\$ 140,000	◀ 80% Federal + 20% Non-Federal
► Safety Improvements											
	Safety Improvements	607917	Central Mass	Multiple	AUBURN TO WORCESTER- GUIDE & TRAFFIC SIGN REPLACEMENT ON A SECTION OF INTERSTATE 290	3	HSIP	\$ 5,323,510	\$ 4,791,159	\$ 532,351	Construction
Safety Improvements subtotal ▶								\$ 5,323,510	\$ 4,791,159	\$ 532,351	◀ Funding Split Varies by Funding Source
► Section 2B / State Prioritized Modernization Projects											
► ADA Retrofits											
	ADA Retrofits	Project #	MPO	Municipalities	Description	District	STP	\$ -	\$ -	\$ -	
ADA Retrofits subtotal ▶								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Intersection Improvements											
	Intersection Improvements	Project #	MPO	Municipalities	Description	District	CMAQ	\$ -	\$ -	\$ -	
Intersection Improvements subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Intelligent Transportation Systems											
	Intelligent Transportation Systems	Project #	MPO	Municipalities	Description	District	NHPP	\$ -	\$ -	\$ -	
Intelligent Transportation System subtotal ▶								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Roadway Reconstruction											
AMENDMENT:Remov e Project	Roadway Reconstruction	608191	Central Mass	West Brookfield	WEST BROOKFIELD- SIDEWALK AND WHEELCHAIR CONSTRUCTION ON ROUTE 9	2	CMAQ	\$ 756,024	\$ 604,819	\$ 151,205	Construction / PSAC Score 16
Roadway Reconstruction subtotal ▶								\$ 756,024	\$ 604,819	\$ 151,205	◀ 80% Federal + 20% Non-Federal
► Section 2C / State Prioritized Expansion Projects											
► Bicycles and Pedestrians											
	Bicycles and Pedestrians	Project #	MPO	Municipalities	Description	District	CMAQ	\$ -	\$ -	\$ -	
Bicycles and Pedestrians subtotal ▶								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Capacity											
	Capacity	Project #	MPO	Municipalities	Description	District	CMAQ	\$ -	\$ -	\$ -	
Capacity subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 3 / Planning / Adjustments / Pass-throughs											
► Planning / Adjustments / Pass-throughs											
	Planning / Adjustments / Pass-throughs	Project #	MPO	Municipalities	Description	District	NHPP	\$ -	\$ -	\$ -	
Other Statewide Items subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 4 / Non Federally Aided Projects											

2018 Boston Region Transportation Improvement Program

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

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information
	Capacity program	603711	Boston Region	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	Construction; NHPP+BR+Statewide Infrastructure Total Cost = \$164,919,140 (\$1,988,367 programmed within FFYs 2018-22 TIP) ; AC Yr 5 of 5
	Bicycles and pedestrians program	608352	Boston Region	Salem	SALEM- CANAL STREET RAIL TRAIL CONSTRUCTION (PHASE 2)	4	TAP	\$ 2,787,456	\$ 2,229,965	\$ 557,491	Construction; TAP Total Cost = \$2,787,456; MPO Evaluation Score = 37; TAP project proponent = Salem
Regionally Prioritized Projects subtotal ►								\$ 95,024,497	\$ 76,049,208	\$ 18,975,289	◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

								Total Regional Federal Aid Funds Programmed ►	\$ 95,024,497	\$ 95,038,936	◀ Total Budget \$ 14,439	Target Funds Available
								STP programmed ►	\$ 40,729,688	\$ 77,071,365	◀ Max STP \$ 36,341,677	STP available
								HSIP programmed ►	\$ 296,103	\$ 4,296,710	◀ Min. HSIP \$ 4,000,607	HSIP recommended not met
								CMAQ programmed ►	\$ 48,500,000	\$ 10,741,776	◀ Min. CMAQ \$ (37,758,224)	CMAQ recommended met
								TAP programmed ►	\$ 5,498,706	\$ 2,929,085	◀ Min. TAP \$ (2,569,621)	TAP amount exceeded!
								Remaining HSIP, CMAQ, and TAP Funds	\$ 14,439			

► Section 1B / Earmark or Discretionary Grant Funded Projects

► Other Federal Aid												
	Earmark Discretionary	606134	Boston Region	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); total cost increasing from \$2,501,046 to \$3,549,862. Increase covered under Section 2A/Safety Improvements	
	Earmark Discretionary	606381	Boston Region	Multiple	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	4	HPP	\$ 1,076,625	\$ 861,300	\$ 215,325	Construction; HPP L020 (MAM03); total cost increasing from \$9,100,506 to \$14,178,273. Increase covered under Section 2A/Safety Improvements	
	Earmark Discretionary	606381	Boston Region	Multiple	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	4	HPP	\$ 2,137,500	\$ 1,710,000	\$ 427,500	Construction; HPP H020 (MAM04); total cost increasing from \$9,100,506 to \$14,178,273. Increase covered under Section 2A/Safety Improvements	
	Earmark Discretionary	608823	Boston Region	Multiple	WELLESLEY- NEWTON- WESTON- PAVEMENT RESURFACING AND RELATED WORK ON I-95	6	HPP	\$ 1,998,390	\$ 1,598,712	\$ 399,678	Construction; HPP H020 (MAM01)	
	Earmark Discretionary	608823	Boston Region	Multiple	WELLESLEY- NEWTON- WESTON- PAVEMENT RESURFACING AND RELATED WORK ON I-95	6	HPP	\$ 2,137,500	\$ 1,710,000	\$ 427,500	Construction; HPP H020 (MAM02)	
	Earmark Discretionary	608823	Boston Region	Multiple	WELLESLEY- NEWTON- WESTON- PAVEMENT RESURFACING AND RELATED WORK ON I-95	6	FBD	\$ 329,525	\$ 263,620	\$ 65,905	Construction; FBD MAF01	
Other Federal Aid subtotal ►								\$ 10,180,586	\$ 8,144,469	\$ 2,036,117	◀ Funding Split Varies by Funding Source	

2018 Boston Region Transportation Improvement Program

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

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information
► Section 2A / State Prioritized Reliability Projects											
► Bridge Program / Inspections											
	Bridge Program	Project #	Statewide	N/A	Bridge Inspection	Multiple	NHPP	\$ -	\$ -	\$ -	
Bridge Program / Inspections subtotal ►								\$	\$	\$	◄ Funding Split Varies by Funding Source
► Bridge Program / Off-System											
	Bridge Program	607133	Boston Region	Quincy	QUINCY- SUPERSTRUCTURE REPLACEMENT, Q-01-039, ROBERTSON STREET OVER I-93/US 1/SR 3	6	STP-BR-OFF	\$ 4,663,678	\$ 3,730,943	\$ 932,736	
AMENDMENT-Remove-Project	Bridge Program	606632	Boston Region	Multiple	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006-W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	3	STP-BR-OFF	\$ 11,465,706	\$ 9,172,565	\$ 2,293,141	Construction Cost decreased from \$12,993,074
	Bridge Program	604655	Boston Region	Marshfield	MARSHFIELD- BRIDGE REPLACEMENT, M-07-007, BEACH STREET OVER THE CUT RIVER	5	STP-BR-OFF	\$ 4,189,856	\$ 3,351,884	\$ 837,971	Construction
	Bridge Program	607533	Boston Region	Waltham	WALTHAM- BRIDGE REPLACEMENT, W-04-006, WOERD AVENUE OVER CHARLES RIVER	4	STP-BR-OFF	\$ 3,327,210	\$ 2,661,768	\$ 665,442	Construction
Bridge Program / Off-System subtotal ►								\$ 12,180,743	\$ 9,744,595	\$ 2,436,149	◄ 80% Federal + 20% Non-Federal
► Bridge Program / On-System (NHS)											
	Bridge Program	605287	Boston Region	Chelsea	CHELSEA- ROUTE 1 VIADUCT REHABILITATION (SB/NB) ON C-09-007 & C-09-011	6	NHPP-On	\$ 71,349,636	\$ 57,079,709	\$ 14,269,927	AC Year 1 of 4, Total Cost increased from \$110,000,000 to \$213,972,689
	Bridge Program	604173	Boston Region	Boston	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP-On	\$ 35,000,000	\$ 28,000,000	\$ 7,000,000	AC Year 2 of 6, Total Project Cost increased from \$176,318,433 to \$193,058,158.
Bridge Program / On-System (NHS) subtotal ►								\$ 106,349,636	\$ 85,079,709	\$ 21,269,927	◄ Funding Split Varies by Funding Source
► Bridge Program / On-System (Non-NHS)											
	Bridge Program	Project #	MPO	N/A	Description	District	NHPP-Off	\$ -	\$ -	\$ -	
Bridge Program / On-System (Non-NHS) subtotal ►								\$	\$	\$	◄ 80% Federal + 20% Non-Federal
► Bridge Program / Systematic Maintenance											
	Bridge Program	607915	Boston Region	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-On	\$ 1,596,667	\$ 1,277,334	\$ 319,333	Construction
	Bridge Program	608521	Boston Region	Salem	SALEM- BRIDGE MAINTENANCE, S-01-018 (32T), (ST 114) NORTH STREET OVER (ST 107) BRIDGE STREET & MBTA	4	NHPP-On	\$ 2,816,780	\$ 2,253,424	\$ 563,356	Construction; cost increase from \$2,400,000 to \$2,816,780.
Bridge Program / Systematic Maintenance subtotal ►								\$ 4,413,447	\$ 3,530,758	\$ 882,689	◄ Funding Split Varies by Funding Source

2018 Boston Region Transportation Improvement Program

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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

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information
► Interstate Pavement											
	Interstate Pavement	608823	Boston Region	Multiple	WELLESLEY- NEWTON- WESTON- PAVEMENT RESURFACING AND RELATED WORK ON I-95	6	NHPP	\$ 2,398,293	\$ 2,158,464	\$ 239,829	Construction
Interstate Pavement subtotal ►								\$ 2,398,293	\$ 2,158,464	\$ 239,829	◀ 90% Federal + 10% Non-Federal
► Non-Interstate Pavement											
AMENDMENT:Increase Cost	Non-Interstate Pavement	608008	Boston Region	Saugus	SAUGUS- RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	\$ 11,076,010	\$ 8,860,808	\$ 2,215,202	Construction Amendment Six cost increase: from \$9,812,880, to \$11,076,010
	Non-Interstate Pavement	608478	Boston Region	Concord	CONCORD- RESURFACING AND RELATED WORK ON ROUTE 2	4	NHPP	\$ 6,136,554	\$ 4,909,243	\$ 1,227,311	Construction
	Non-Interstate Pavement	608379	Boston Region	Multiple	LEXINGTON- BELMONT- ARLINGTON- CAMBRIDGE- PAVEMENT PRESERVATION ON ROUTE 2	4	NHPP	\$ 8,437,000	\$ 6,749,600	\$ 1,687,400	Construction / Includes \$1,040,000 of stormwater improvements
	Non-Interstate Pavement	608069	Boston Region	Multiple	MARSHFIELD- PEMBROKE- NORWELL- HANOVER- ROCKLAND- HINGHAM- RESURFACING & RELATED WORK ON ROUTE 3	5	NHPP	\$ 13,876,216	\$ 11,100,973	\$ 2,775,243	Construction / Includes \$400,000 of stormwater improvements
AMENDMENT:Decrease Cost	Non-Interstate Pavement	604804	Boston Region	Reading	READING- RESURFACING AND RELATED WORK ON ROUTE 28	4	NHPP	\$ 6,063,543	\$ 4,850,834	\$ 1,212,709	Replacement for Lynnfield/Peabody (607477) in FFY 2017 (TFPC was \$8,892,334) Amendment Six cost decrease: from \$7,424,556, to \$6,063,543
Non-Interstate Pavement subtotal ►								\$ 45,589,323	\$ 36,471,458	\$ 9,117,865	◀ 80% Federal + 20% Non-Federal
► Roadway Improvements											
	Roadway Improvements	Project #	MPO	Multiple	Description	District	STP-TE	\$ -	\$ -	\$ -	
Roadway Improvements subtotal ►								\$	\$	\$	◀ 80% Federal + 20% Non-Federal

2018 Boston Region Transportation Improvement Program

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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

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information
► Safety Improvements											
AMENDMENT: Increase Cost	Safety Improvements	606381	Boston Region	Multiple	ARLINGTON- BELMONT- HIGHWAY LIGHTING REPAIR & MAINTENANCE ON ROUTE 2	4	STP	\$ 12,500,077	\$ 10,000,062	\$ 2,500,015	Construction; Amendment Four: total cost increasing from \$9,100,506 to \$14,178,273. Increase covered under Section 2A/Safety Improvements Amendment Six cost increase: from \$14,178,273, to \$15,714,202 (see Section 1B for additional funding dedicated to this project)
	Safety Improvements	606134	Boston Region	Boston	BOSTON- TRAFFIC SIGNAL IMPROVEMENTS ON BLUE HILL AVENUE AND WARREN STREET	6	STP	\$ 1,048,816	\$ 839,053	\$ 209,763	Construction; total cost increasing from \$2,501,046 to \$3,549,862. Originally funded under Section 1B, cost increase funded with Statewide STP
	Safety Improvements	608013	Boston Region	Quincy	QUINCY- INTERSECTION IMPROVEMENTS @ SEA STREET & QUINCY SHORE DRIVE	6	HSIP	\$ 2,362,997	\$ 1,890,398	\$ 472,599	Replacement for Statewide HSIP Placeholder
Safety Improvements subtotal ►								\$ 15,911,890	\$ 12,729,512	\$ 3,182,378	◀ Funding Split Varies by Funding Source
► Section 2B / State Prioritized Modernization Projects											
► ADA Retrofits											
	ADA Retrofits	Project #	MPO	Municipalities	Description	District	STP	\$ -	\$ -	\$ -	
ADA Retrofits subtotal ►								\$	\$	\$	◀ 80% Federal + 20% Non-Federal
► Intersection Improvements											
	Intersection Improvements	608651	Boston Region	Braintree	BRAINTREE- ADAPTIVE SIGNAL CONTROLS ON ROUTE 37 (GRANITE STREET)	6	CMAQ	\$ 500,000	\$ 400,000	\$ 100,000	Construction
Intersection Improvements subtotal ►								\$ 500,000	\$ 400,000	\$ 100,000	◀ Funding Split Varies by Funding Source
► Intelligent Transportation Systems											
	Intelligent Transportation Systems	Project #	Statewide	Multiple	Description	Multiple	NHPP	\$ -	\$ -	\$ -	
Intelligent Transportation System subtotal ►								\$	\$	\$	◀ 80% Federal + 20% Non-Federal
► Roadway Reconstruction											
	Roadway Reconstruction	600518	Boston Region	Hingham	HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET	5	STP	\$ 599,173	\$ 479,338	\$ 119,835	Construction; STP+HSIP+Statewide HSIP+Statewide STP Total Cost = \$2,844,392 \$4,042,738; MPO Evaluation Score = 28
	Roadway Reconstruction	600518	Boston Region	Hingham	HINGHAM- INTERSECTION IMPROVEMENTS AT DERBY STREET, WHITING STREET (ROUTE 53) AND GARDNER STREET	5	HSIP	\$ 599,173	\$ 479,338	\$ 119,835	Construction; STP+HSIP+Statewide HSIP+Statewide STP Total Cost = \$2,844,392 \$4,042,738; MPO Evaluation Score = 28
	Roadway Reconstruction	605110	Boston Region	Brookline	BROOKLINE- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 9 & VILLAGE SQUARE (GATEWAY EAST)	6	STP	\$ 672,370	\$ 537,896	\$ 134,474	Construction; TAP+STP+CMAQ+Statewide STP+Private Sector Contribution (\$1,000,000) = \$7,673,204; MPO Evaluation Score = 70
Roadway Reconstruction subtotal ►								\$ 1,870,716	\$ 1,496,573	\$ 374,143	◀ 80% Federal + 20% Non-Federal

2018 Merrimack Valley Region Transportation Improvement Program

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable: a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information</i>
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► Section 1A / Regionally Prioritized Projects

► Regionally Prioritized Projects

AMENDMENT: Add Funding Source	Bicycles and Pedestrians	607737	Merrimack Valley	Multiple	AMESBURY- SALISBURY- TRAIL CONNECTOR @ I-95	4	STP	\$ 592,918	\$ 474,334	\$ 118,584	a) Construction; b) \$3,167,723 = \$592,918 STP + \$2,574,805 SW TAP; PSAC score 37
	Roadway reconstruction program	608946	Merrimack Valley	Lawrence	LAWRENCE - INTERSECTION IMPROVEMENTS AT HAVERHILL STREET (ROUTE 110) AND AMES STREET	4	STP	\$ 1,267,500	\$ 1,014,000	\$ 253,500	a) Construction; b) \$1,267,500; d) TEC = 5.53 out of 18:
	Planning / Adjustments / Pass-throughs	MV0002	Merrimack Valley	N/A	FLEX TO FTA FOR MVRTA FOR BIKE RACKS FOR BUSES AND BIKE RACKS FOR MCGOVERN TRANSPORTATION CENTER IN LAWRENCE	4	STP	\$ 71,285	\$ 71,285	* Toll Credits	b) \$71,285 (STP) + toll credits; e) Transfer to FTA; f) Toll Credits
	Bicycles and pedestrians program	605020	Merrimack Valley	Salisbury	SALISBURY- MULTI-USE TRAIL EXTENSION (BORDERS TO BOSTON TRAIL), INCLUDES NEW BRIDGE S-02-004	4	CMAQ	\$ 4,480,877	\$ 3,584,702	\$ 896,175	a) Construction; b) \$7,184,194 = \$4,480,877 CMAQ + \$2,703,317 TAP; d) TEC = 5.88 out of 18; h) Project Proponent is Town of Salisbury
	Bicycles and pedestrians program	605020	Merrimack Valley	Salisbury	SALISBURY- MULTI-USE TRAIL EXTENSION (BORDERS TO BOSTON TRAIL), INCLUDES NEW BRIDGE S-02-004	4	TAP	\$ 2,703,317	\$ 2,162,654	\$ 540,663	a) Construction; b) \$7,184,194 = \$4,480,877 CMAQ + \$2,703,317 TAP; d) TEC = 5.88 out of 18; h) Project Proponent is Town of Salisbury
	STIP program	Project #	MPO	Municipalities	Description	District	Funding	\$ -	\$ -	\$ -	

Regionally Prioritized Projects subtotal ► **\$ 9,115,897** **\$ 7,306,975** **\$ 1,808,922** ◀ 80% Federal + 20% Non-Federal

► Section 1A / Fiscal Constraint Analysis

Section 1A Instructions: MPO Template Name) Choose Regional Name from dropdown list to populate header and MPO column; **Column C)** Enter ID from ProjectInfo; **Column E)** Choose Municipality Name from dropdown list; **Column H)** Choose the Funding Source being used for the project - if multiple funding sources are being used enter multiple lines; **Column I)** Enter the total amount of funds being programmed in this fiscal year and for each funding source; **Column J)** Federal funds autocalculate. Please verify the amount and only change if needed for flex. **Column K)** Non-federal funds autocalculate. Please verify the split/match - if matching an FTA flex, coordinate with Rail & Transit Division before programming; **Column L)** Enter Additional Information as described - please do not use any other format.

Total Regional Federal Aid Funds Programmed ►	\$ 9,115,897	\$ 9,797,737	◀Total	\$ 681,840	Target Funds Available
STP programmed ►	\$ 1,931,703	\$ 7,896,392	◀ Max STP	\$ 5,964,689	STP available
HSIP programmed ►	\$ -	\$ 442,956	◀ Min. HSIP	\$ 442,956	HSIP recommended not met
CMAQ programmed ►	\$ 4,480,877	\$ 1,107,389	◀ Min. CMAQ	\$ (3,373,488)	CMAQ recommended met
TAP programmed ►	\$ 2,703,317	\$ 351,000	◀ Min. TAP	\$ (2,352,317)	TAP amount exceeded!
Remaining HSIP, CMAQ, and TAP Funds	\$ 681,840				

► Section 1B / Earmark or Discretionary Grant Funded Projects

► Other Federal Aid

Earmark Discretionary	Project #	MPO	Municipalities	Description	District	HPP	\$	\$	\$	
							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Section 2A / State Prioritized Reliability Projects

► Bridge Program / Inspections

Bridge Program	Project #	MPO	Municipalities	Description	District	NHPP	\$	\$	\$	
							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Bridge Program / Off-System

2018 Merrimack Valley Region Transportation Improvement Program

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable: a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information</i>
Roadway Reconstruction subtotal ▶								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

► Section 2C / State Prioritized Expansion Projects

► Bicycles and Pedestrians

AMENDMENT: Change Additional Information	Bicycles and Pedestrians	607737	Merrimack Valley	Multiple	AMESBURY- SALISBURY- TRAIL CONNECTOR @ I-95	4	TAP	\$ 2,574,805	\$ 2,059,844	\$ 514,961	a) Construction; b) \$3,167,723 = \$592,918 STP + \$2,574,805 SW TAP; PSAC score 37
Bicycles and Pedestrians subtotal ▶								\$ 2,574,805	\$ 2,059,844	\$ 514,961	◀ 80% Federal + 20% Non-Federal

► Capacity

	Capacity	Project #	MPO	Municipalities	Description	District	CMAQ	\$	\$	\$	
Capacity subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Section 3 / Planning / Adjustments / Pass-throughs

► Planning / Adjustments / Pass-throughs

	Planning / Adjustments / Pass-throughs	Project #	MPO	Municipalities	Description	District	NHPP	\$	\$	\$	
Other Statewide Items subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

► Section 4 / Non Federally Aided Projects

► Non-Federally Aided Projects

Non Federal Aid	Project #	MPO	Municipalities	Description	District	NFA	\$		\$	
Non-Federal Aid subtotal ▶								\$ -	\$ -	◀ 100% Non-Federal

2018 Summary

	TIP Section 1 - 3: ▼	TIP Section 4: ▼	Total of All Projects ▼	
Total ▶	\$ 33,611,888	\$ -	\$ 33,611,888	◀ Total Spending in Region
Federal Funds ▶	\$ 26,903,767	\$ -	\$ 26,903,767	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 6,708,121	\$ -	\$ 6,708,121	◀ 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 Pioneer Valley Region Transportation Improvement Program

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information
	Earmark Discretionary	603449	Pioneer Valley	Westfield	WESTFIELD - ROUTE 20 ACCESS IMPROVEMENTS ON COURT STREET & WESTERN AVENUE, FROM LLEWELLYN DRIVE EASTERLY TO LLOYD SHILL ROAD (PHASE I)	2	HPP	\$ 2,503,688	\$ 2,002,950	\$ 500,738	Construction / (YOE \$6,133,933 HPP, STP) 57.5 TEC / (Demo ID-MA206, HPP-4287 \$2,503,688 with Match) / 25%
	Earmark Discretionary	FLAP MA 12	Pioneer Valley	Hadley	Moddy Bridge Road	2	FLAP	\$ 220,620	\$ 176,500	\$ 44,125	Preliminary Engineering, ROW, Paving, Safety Enhancement, Drainage, Construction Contract &
	Earmark Discretionary	FLAP MA 13	Pioneer Valley	Multiple	Hadley, Northampton, South Hadley - CT River Trail Construction	2	FLAP	\$ 434,078	\$ 247,915	\$ 186,163	Bicycle/Pedestrian Facility, Construction Eng.
Other Federal Aid subtotal ▶								\$ 3,158,386	\$ 2,427,365	\$ 731,026	◀ Funding Split Varies by Funding Source

► Section 2A / State Prioritized Reliability Projects

► Bridge Program / Inspections

Bridge Program	Project#	MPO	Municipalities	Description	District	NHPP	\$	\$	\$	
Bridge Program / Inspections subtotal ▶							\$	\$	\$	◀ Funding Split Varies by Funding Source

► Bridge Program / Off-System

Bridge Program	Project#	MPO	Municipalities	Description	District	STP-BR-OFF	\$	\$	\$	
Bridge Program / Off-System subtotal ▶							\$	\$	\$	◀ 80% Federal + 20% Non-Federal

► Bridge Program / On-System (NHS)

AMENDMENT Increase Cost	Bridge Program	600936	Pioneer Valley	Holyoke	HOLYOKE - BRIDGE REPLACEMENT, H-21-018, LYMAN STREET OVER FIRST LEVEL CANAL	2	NHPP-On	\$ 8,977,713	\$ 7,182,170	\$ 1,795,543	Increase cost from \$8,019,034
Bridge Program / On-System (NHS) subtotal ▶								\$ 8,977,713	\$ 7,182,170	\$ 1,795,543	◀ Funding Split Varies by Funding Source

► Bridge Program / On-System (Non-NHS)

Bridge Program	608870	Pioneer Valley	Palmer	PALMER - BRIDGE REHABILITATION, P-01-005, MAIN STREET OVER QUABOAG RIVER	2	NHPP-Off	\$ 3,000,000	\$ 2,400,000	\$ 600,000	
Bridge Program / On-System (Non-NHS) subtotal ▶							\$ 3,000,000	\$ 2,400,000	\$ 600,000	◀ 80% Federal + 20% Non-Federal

► Bridge Program / Systematic Maintenance

	Bridge Program	607939	Pioneer Valley	Cummington	CUMMINGTON - BRIDGE MAINTENANCE, C-21-025, ROUTE 9 OVER THE WESTFIELD RIVER	1	NHPP-On	\$ 312,000	\$ 249,600	\$ 62,400	
	Bridge Program	607959	Pioneer Valley	Cummington	HOLYOKE - STRUCTURAL STEEL BEAM CLEANING AND PAINTING, H-21-048, I-91 NB & SB OVER WESTFIELD ROAD	2	NHPP-On	\$ 1,564,622	\$ 1,251,698	\$ 312,924	
Bridge Program / Systematic Maintenance subtotal ▶								\$ 1,876,622	\$ 1,501,298	\$ 375,324	◀ Funding Split Varies by Funding Source

► Interstate Pavement

Interstate Pavement	Project#	MPO	Municipalities	Description	District	NHPP	\$	\$	\$	
Interstate Pavement subtotal ▶							\$	\$	\$	◀ 90% Federal + 10% Non-Federal

► Non-Interstate Pavement

Non-Interstate Pavement	Project#	MPO	Municipalities	Description	District	NHPP	\$	\$	\$	
Non-Interstate Pavement subtotal ▶							\$	\$	\$	◀ 80% Federal + 20% Non-Federal

► Roadway Improvements

								-	-	-	
								-	-	-	

2018 Statewide Transportation Improvement Program

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable:</i> a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information
	Intersection Improvements	608295	Statewide	Multiple	DISTRICT 5- IMPLEMENTATION OF FLASHING YELLOW ARROW AT VARIOUS TRAFFIC SIGNALS	5	HSIP	\$ 979,626	\$ 881,664	\$ 97,963	Construction
AMENDMENT: Remove Project	Intersection Improvements	608581	Statewide	Multiple	STATEWIDE-VARIOUS SAFETY STRATEGIES TO ADDRESS SHSP-TO BE DETERMINED (2018)	Multiple	HSIP	\$ 343,503	\$ 309,153	\$ 34,350	Funds have been programmed for applicable projects
	Intersection Improvements						CMAQ				
Intersection Improvements subtotal ►								\$ 1,323,129	\$ 1,190,816	\$ 132,313	◄ Funding Split Varies by Funding Source

► Intelligent Transportation Systems

	Intelligent Transportation Systems	606938	Statewide	Multiple	DISTRICTS 4 AND 6 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS	Multiple	NHPP	\$ 1,526,765	\$ 1,221,412	\$ 305,353	AC YR 1 of 2, Total Project Cost = \$6,707,265
	Intelligent Transportation Systems	608991	Statewide	Multiple	DISTRICT 5 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS	5	NHPP	\$ 4,726,460	\$ 3,781,168	\$ 945,292	Construction / Total Project Cost = \$4,726,460
	Intelligent Transportation Systems	607487	Statewide	Multiple	DISTRICT 3 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS	3	NHPP	\$ 4,105,315	\$ 3,284,252	\$ 821,063	Construction / Total Project Cost = \$4,105,315
Intelligent Transportation System subtotal ►								\$ 10,358,540	\$ 8,286,832	\$ 2,071,708	◄ 80% Federal + 20% Non-Federal

► Roadway Reconstruction

	Roadway Reconstruction						CMAQ				
	Roadway Reconstruction						TAP				
	Roadway Reconstruction						CMAQ				
	Roadway Reconstruction						TAP				
Roadway Reconstruction subtotal ►								\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► Section 2C / State Prioritized Expansion Projects

► Bicycles and Pedestrians

	Bicycles and Pedestrians						CMAQ				
	Bicycles and Pedestrians						CMAQ				
	Bicycles and Pedestrians						CMAQ				
Bicycles and Pedestrians subtotal ►								\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal

► Capacity

	Capacity	Project #	MPO	Municipalities	Description	District	CMAQ	\$ -	\$ -	\$ -	
	Capacity	Project #	MPO	Municipalities	Description	District	NHPP	\$ -	\$ -	\$ -	
Capacity subtotal ►								\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

► Section 3 / Planning / Adjustments / Pass-throughs

► Planning / Adjustments / Pass-throughs

2018 Statewide Transportation Improvement Program

Amendment / Adjustment Type ▼	STIP Program ▼	MassDOT Project ID ▼	Metropolitan Planning Organization ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼ <i>Present information as follows, if applicable: a) Planning / Design / or Construction; b) total project cost and funding sources used; c) advance construction status; d) MPO project score; e) name of entity receiving a transfer; f) name of entity paying the non-state non-federal match; g) earmark details; h) TAP project proponent; i) other information</i>
	Planning / Adjustments / Pass-throughs	ABPGAN	Statewide	Multiple	ABP GANS Repayment	Multiple	NHPP	\$ 62,596,967	\$ 62,596,967	\$ -	
	Planning / Adjustments / Pass-throughs	ABPGAN	Statewide	Multiple	ABP GANS Repayment	Multiple	STP-BR-OFF	\$ 388,033	\$ 388,033	\$ -	
	Planning / Adjustments / Pass-throughs	EWO	Statewide	Multiple	Award adjustments, change orders, etc.	Multiple	CMAQ	\$ 6,250,000	\$ 5,000,000	\$ 1,250,000	
ADJUSTMENT: Decrease Cost	Planning / Adjustments / Pass-throughs	EWO	Statewide	Multiple	Award adjustments, change orders, etc.	Multiple	NHPP	\$ 9,430,069	\$ 7,544,055	\$ 1,886,014	Reduce programmed amount to account for Bridge and Tunnel Inspection 2019-2020
	Planning / Adjustments / Pass-throughs	EWO	Statewide	Multiple	Award adjustments, change orders, etc.	Multiple	STP	\$ 13,750,000	\$ 11,000,000	\$ 2,750,000	
ADJUSTMENT: Remove Project	Planning / Adjustments / Pass-throughs	EWO	Statewide	Multiple	Award adjustments, change orders, etc.	Multiple	STP-BR-OFF	\$ 1,250,000	\$ 1,000,000	\$ 250,000	Remove line item to account for Bridge Inspection 2019-2020
	Planning / Adjustments / Pass-throughs	FPIRT	Statewide	Multiple	Flex to Rail & Transit for Freight Plan Implementation	Multiple	NFP	\$ 2,245,873	\$ 1,796,698	\$ 449,175	
	Planning / Adjustments / Pass-throughs	SELDM	Statewide	Multiple	Stochastic Empirical Loading and Dilution Model	Multiple	Other FA	\$ 187,500	\$ 150,000	\$ 37,500	Total Project Cost: \$232,500; USGS Contribution: \$45,000
ADJUSTMENT: Increase Cost	Planning / Adjustments / Pass-throughs	UPWP19	Statewide	Multiple	Metropolitan Planning	Multiple	PL	\$ 11,087,375	\$ 8,869,900	\$ 2,217,475	
ADJUSTMENT: Increase Cost	Planning / Adjustments / Pass-throughs	UPWP19	Statewide	Multiple	Metropolitan Planning	Multiple	SPR	\$ 1,423,720	\$ 1,138,976	\$ 284,744	
AMENDMENT: Increase Cost	Planning / Adjustments / Pass-throughs	SPR118	Statewide	Multiple	State Planning and Research Work Program I, (SPR I), Planning	Multiple	SPR	\$ 18,540,311	\$ 14,832,249	\$ 3,708,062	
AMENDMENT: Increase Cost	Planning / Adjustments / Pass-throughs	SPR218	Statewide	Multiple	State Planning and Research Work Program II, (SPR II), Research	Multiple	RD	\$ 6,998,508	\$ 5,598,806	\$ 1,399,702	
	Planning / Adjustments / Pass-throughs	RRC18	Statewide	Multiple	Railroad Crossings	Multiple	RRHE	\$ 3,333,333	\$ 3,000,000	\$ 333,333	
	Planning / Adjustments / Pass-throughs	RRC18	Statewide	Multiple	Railroad Crossings	Multiple	RRPD	\$ 1,388,889	\$ 1,250,000	\$ 138,889	
	Planning / Adjustments / Pass-throughs	SRT18	Statewide	Multiple	Recreational Trails	Multiple	REC	\$ 3,149,386	\$ 2,519,509	\$ 629,877	
Other Statewide Items subtotal ►								\$ 142,019,964	\$ 126,685,193	\$ 15,334,771	◀ Funding Split Varies by Funding Source

► Section 4 / Non Federally Aided Projects

► Non-Federally Aided Projects

	Non Federal Aid	Project #	MPO	Municipalities	Description	District	NFA	\$ -		\$ -	
	Non Federal Aid	Project #	MPO	Municipalities	Description	District	NFA	\$ -		\$ -	