



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

**Massachusetts Division**

August 9, 2018

55 Broadway, 10<sup>th</sup> Floor  
Cambridge, MA 02142  
(617) 494-3657 (phone)  
(617) 494-3355 (fax)  
[www.fhwa.dot.gov/madiv](http://www.fhwa.dot.gov/madiv)

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 #6***

Dear Mr. Mohler:

Thank you for your letter dated July 26, 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>
.37-.44	Adjustments
33.01-33.02	Central Mass Amendments
34.01	Merrimack Valley Amendments
35.01-35.02	Northern Middlesex Amendments
36.01	Statewide Amendments

These amendments do not require a conformity determination and, therefore, meet the requirements of 40 CFR §93.104(c)(2). 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,

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

July 26, 2018

Jeff H. McEwen  
Division Administrator  
Federal Highway Administration  
55 Broadway – 10<sup>th</sup> 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 Central Mass Metropolitan Planning Organization (MPO), Merrimack Valley MPO, Northern Middlesex MPO, Southeastern Mass 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:

.37-.44	Adjustments	
33.01-33.02	Central Mass Amendments	July 18, 2018
34.01	Merrimack Valley Amendments	June 27, 2018
35.01-35.02	Northern Middlesex Amendments	June 27, 2018
36.01	Statewide Amendments	July 24, 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, STIP Coordinator  
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
.37	STATEWIDE	606938	MULTIPLE	DISTRICTS 4 AND 6 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS  AC YR 1 of 2, Total Project Cost = \$6,707,265	NHPP	\$2,692,400	\$2,153,920	\$538,480	2018	NHPP	\$1,526,765	\$1,221,412	\$305,353	2018	ADJUSTMENT:Decrease Cost	07/24/18
.38	STATEWIDE	607487	MULTIPLE	DISTRICT 3 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS  Construction / Total Project Cost = \$4,726,460	NHPP	\$4,622,400	\$3,697,920	\$924,480	2018	NHPP	\$4,726,460	\$3,781,168	\$945,292	2018	ADJUSTMENT:Increase Cost	07/24/18
.39	STATEWIDE	608991	MULTIPLE	DISTRICT 5 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS  Construction / Total Project Cost = \$4,105,305	NHPP	\$4,252,052	\$3,401,642	\$850,410	2018	NHPP	\$4,105,305	\$3,284,244	\$821,061	2018	ADJUSTMENT:Decrease Cost	07/24/18
.40	STATEWIDE	606938	MULTIPLE	DISTRICTS 4 AND 6 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS  Construction/ Total Project Cost = \$\$6,707,265 AC Year 2 of 2	NHPP	\$5,180,500	\$4,144,400	\$1,036,100	2019	NHPP	\$5,180,500	\$4,144,400	\$1,036,100	2019	ADJUSTMENT::Change Addl Info	07/24/18
.41	SE MASS	605677	MATTAPOISETT	MATTAPOISETT- MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY), FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)  Total Project Cost \$7,960,228 (FFY2018 \$592,221 CMAQ / FFY2019 \$2,143,101 TAP / FFY2019 \$5,224,906 CMAQ); AC YR 1 of 2 / PSAC score 20	CMAQ	\$592,221	\$473,777	\$118,444	2018	CMAQ	\$592,221	\$473,777	\$118,444	2018	ADJUSTMENT::Change Addl Info	07/17/18
.42	SE MASS	605677	MATTAPOISETT	MATTAPOISETT- MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY), FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)  Total Project Cost \$7,960,228 (FFY2018 \$592,221 CMAQ / FFY2019 \$2,143,101 TAP / FFY2019 \$5,224,906 CMAQ); AC YR 2 of 2 / PSAC score 20	CMAQ	\$7,443,936	\$5,955,149	\$1,488,787	2019	CMAQ	\$5,224,906	\$4,179,925	\$3,343,940	2019	ADJUSTMENT:Decrease Cost	07/17/18
.43	SE MASS	605677	MATTAPOISETT	MATTAPOISETT- MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY), FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)  Total Project Cost \$7,960,228 (FFY2018 \$592,221 CMAQ / FFY2019 \$2,143,101 TAP / FFY2019 \$5,224,906 CMAQ); AC YR 2 of 2 / PSAC score 20	TAP	\$2,143,101	\$1,714,481	\$428,620	2019	TAP	\$2,143,101	\$1,714,481	\$1,371,585	2019	ADJUSTMENT::Change Addl Info	07/17/18
.44	SE MASS	608893	MULTIPLE	NORTON - TAUNTON - MEDIAN CABLE BARRIER INSTALLATION ON I-495	HSIP	\$1,293,500	\$1,164,150	\$129,350	2018	HSIP	\$940,771	\$846,694	\$94,077	2018	ADJUSTMENT:Change Project Desc ADJUSTMENT:Decrease Cost	07/17/18

# Massachusetts Department of Transportation - State Transportation Improvement Program

## Highway Actions Report 2018-2022

															FINANCIAL CONSTRAINT	
#	MPO	Project ID	Location	Description	Source	Total	Federal	Non - Federal	Year	Source	Total	Federal	Non-Federal	Year	Amendment Description	Date
33.01	CENTRAL	MA605820	WORCESTER	<p>WORCESTER- BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET</p> <p>Construction / CMAQ + HPP Total Project Cost = \$7,060,000 / HPP#4283 - MA202, HPP#2218 - MA157, HPP#2509 - MA165 &amp; MA006 / Design Status = 75%</p>	CMAQ	\$1,922,401	\$1,537,921	\$384,480	2018	CMAQ	\$2,181,354	\$1,745,083	\$436,271	2018	AMENDMENT:Increase Cost	07/18/18
33.02	CENTRAL	MA605820	WORCESTER	<p>WORCESTER- BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET</p> <p>Construction / CMAQ + HPP Total Project Cost = \$7,060,000 / HPP#4283 - MA202, HPP#2218 - MA157, HPP#2509 - MA165 &amp; MA006 / Design Status = 75%</p>	HPP	\$5,939,172	\$4,751,338	\$1,187,834	2018	HPP	\$4,878,646	\$3,902,917	\$975,729	2018	AMENDMENT:Decrease Cost	07/18/18
34.01	MERRIMACK	MV0002		<p>FLEX TO FTA FOR MVRTA FOR BIKE RACKS FOR BUSES AND BIKE RACKS FOR MCGOVERN TRANSPORTATION CENTER IN LAWRENCE</p> <p>b) \$71,285 (STP) + toll credits; e) Transfer to FTA; f) Toll Credits</p>					2018	STP	\$71,285	\$71,285	\$0	2018	AMENDMENT:Add Project	06/27/18
35.01	N. MIDDLESEX	608037	WESTFORD	<p>WESTFORD- INTERSECTION IMPROVEMENTS @ GROTON ROAD (ROUTE 40) &amp; DUNSTABLE ROAD</p> <p>Construction; Total cost: \$3,362,131 using STP and CMAQ; NMMPO TEC Score: 6.25 out of 18.</p>	STP	\$1,659,715	\$1,327,772	\$331,943	2018	STP	\$2,773,260	\$2,218,608	\$554,652	2018	AMENDMENT:Increase Cost	06/27/18
35.02	N. MIDDLESEX	608037	WESTFORD	<p>WESTFORD- INTERSECTION IMPROVEMENTS @ GROTON ROAD (ROUTE 40) &amp; DUNSTABLE ROAD</p> <p>Construction; Total cost: \$3,362,161 using STP and CMAQ; NMMPO TEC Score: 6.25 out of 18.</p>	CMAQ	\$588,901	\$471,121	\$117,780	2018	CMAQ	\$588,901	\$471,121	\$117,780	2018	AMENDMENT:Change Addl Info	06/27/18
36.01	STATEWIDE	SELDM	MULTIPLE	<p>Stochastic Empirical Loading and Dilution Model</p> <p>Total Project Cost: \$232,500; USGS Contribution: \$45,000</p>					2018	OTHER FA	\$187,500	\$150,000	\$37,500	2018	AMENDMENT:Add Project	07/24/18

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 2018							2018-2022 STIP, Rev006
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ACTUAL CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
NATIONAL HIGHWAY PERFORMANCE	\$324,603,108	\$1,230,697	\$0	\$325,833,805	\$305,860,231	\$19,973,574	(\$966,650)
NATIONAL HIGHWAY FREIGHT PROGRAM	\$17,880,858	\$107,384	\$0	\$17,988,242	\$6,710,706	\$11,277,536	\$0
STP FLEX	\$47,588,579	\$13,984,201	\$0	\$61,572,780	\$53,498,777	\$8,074,003	\$0
BRIDGE-OFF SYSTEM	\$28,456,838	\$63,083,941		\$91,540,779	\$28,997,650	\$62,543,129	\$0
STP NON-FLEX	\$82,187,646	\$24,165,980		\$106,353,626	\$81,537,548	\$24,816,078	\$962,120
-BOSTON URBAN AREA	\$51,310,051	\$4,809,834		\$56,119,885	\$49,307,235	\$6,812,650	\$0
-BARNSTABLE URBAN AREA	\$3,096,584	\$4,642,512		\$7,739,096	\$5,066,274	\$2,672,822	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$6,672,652	\$3		\$6,672,655	\$2,152,686	\$4,519,969	\$0
-WORCESTER URBAN AREA	\$5,693,537	\$0		\$5,693,537	\$3,386,104	\$2,307,433	\$0
-PROVIDENCE, PAWTUCKET	\$3,267,056	\$13,256,765		\$16,523,821	\$8,020,618	\$8,503,203	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$12,147,766	\$1,456,866		\$13,604,632	\$13,604,631	\$1	\$0
STP-ENHANCEMENT	\$0	\$5,354,684	\$0	\$5,354,684	\$4,758,546	\$596,138	\$0
SAFE ROUTES TO SCHOOLS PGM.	\$0	\$0		\$46,866	\$0	\$46,866	\$0
RECREATIONAL TRAILS	\$1,186,729	\$2,665,560		\$3,852,289	\$2,519,509	\$1,332,780	\$0
TAP FLEX	\$5,483,782	\$12,179,662	\$0	\$17,663,444	\$14,412,677	\$3,250,767	\$0
TAP NON-FLEX	\$5,483,781	\$7,622,201		\$13,105,982	\$9,843,111	\$3,262,871	\$0
-BOSTON URBAN AREA	\$3,423,545	\$3,707,245		\$7,130,790	\$7,130,788	\$1	\$0
-BARNSTABLE URBAN AREA	\$206,612	\$451,317		\$657,929	\$653,888	\$4,041	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$445,217	\$197,595		\$642,812	\$642,811	\$1	\$0
-WORCESTER URBAN AREA	\$379,888	\$0		\$410,793	\$410,792	\$1	\$0
-PROVIDENCE, PAWTUCKET	\$217,987	\$1,013,373		\$1,231,360	\$1,004,832	\$226,528	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$810,532	\$2,252,672		\$3,063,204	\$0	\$3,063,204	\$0
HWY SAFETY IMPROVEMENT PGM.	\$31,595,381	\$2,054,741	\$0	\$33,650,122	\$25,428,212	\$8,221,909	(\$317,456)
HSIP - High Risk Rural	\$2,273,676	\$4,629,527		\$6,903,203	\$2,484,221	\$4,418,983	\$0
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,293,091	\$5,926,653	\$0	\$7,219,744	\$3,000,000	\$4,219,744	\$0
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,293,091	\$2,418,049	\$0	\$3,711,140	\$1,250,000	\$2,461,140	\$0
CMAQ	\$64,179,356	\$19,619,711	\$0	\$83,799,067	\$63,144,838	\$20,654,229	\$207,162
PLANNING	\$21,828,914	\$22,447,750	\$0	\$44,276,664	\$22,696,960	\$21,579,704	\$0
FEDERAL AID SUB-TOTAL:	\$635,334,830	\$187,490,741	\$0	\$822,872,437	\$626,142,986	\$196,729,451	(\$114,823)

Estimated Obligation Authority	\$628,305,037
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MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 2018							2018-2022 STIP, Rev006
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ACTUAL CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
EARMARKS	\$0	\$115,373,433		\$119,176,442	\$16,840,109	\$102,336,333	(\$848,421)
HIP FLEX	\$14,380,659	\$0		\$14,380,659	\$0	\$14,380,659	\$0
HIP NON-FLEX	\$16,198,363	\$0		\$16,198,363	\$0	\$16,198,363	\$0
-BOSTON URBAN AREA	\$10,124,012			\$10,124,012	\$0	\$10,124,012	
-BARNSTABLE URBAN AREA	\$610,989			\$610,989	\$0	\$610,989	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$1,316,584			\$1,316,584	\$0	\$1,316,584	
-WORCESTER URBAN AREA	\$1,123,395			\$1,123,395	\$0	\$1,123,395	
-PROVIDENCE, PAWTUCKET	\$644,625			\$644,625	\$0	\$644,625	
-OTHER AREAS (RURAL & SMALL URBAN)	\$2,378,758	\$0		\$2,378,758	\$0	\$2,378,758	
NHPP-EXEMPT	\$8,684,110	\$8,333,728		\$17,017,838	\$0	\$17,017,838	\$0
MISCELLANEOUS / ALLOCATED FUNDS	\$3,265,026	\$23,865,511		\$27,130,537	\$6,133,729.59	\$20,996,808	\$150,000
FEDERAL AID TOTAL >	\$677,862,988	\$335,063,413		\$1,016,776,276	\$649,116,824	\$367,659,452	(\$813,245)
STATE MATCH FOR FEDERAL AID					\$140,626,713		
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$789,743,537		

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 2019							2018-2022 STIP, Rev006
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
NATIONAL HIGHWAY PERFORMANCE	\$338,515,561	\$19,973,574	\$0	\$358,489,135	\$305,506,359	\$52,982,776	\$0
NATIONAL HIGHWAY FREIGHT PROGRAM	\$20,212,849	\$11,277,536	(\$5,000,000)	\$26,490,385	\$11,951,976	\$14,538,409	\$0
STP FLEX	\$44,625,979	\$8,074,003	\$0	\$52,699,982	\$48,965,007	\$3,734,975	\$0
BRIDGE-OFF SYSTEM	\$28,456,838	\$62,543,129		\$90,999,967	\$20,650,735	\$70,349,232	\$0
STP NON-FLEX	\$85,792,872	\$24,816,078		\$110,608,950	\$82,077,627	\$28,531,323	\$0
-BOSTON URBAN AREA	\$53,560,807	\$6,812,650		\$60,373,457	\$55,979,200	\$4,394,257	\$0
-BARNSTABLE URBAN AREA	\$3,232,418	\$2,672,822		\$5,905,240	\$0	\$5,905,240	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$6,965,353	\$4,519,969		\$11,485,322	\$7,655,040	\$3,830,282	\$0
-WORCESTER URBAN AREA	\$5,943,288	\$2,307,433		\$8,250,721	\$3,286,940	\$4,963,781	\$0
-PROVIDENCE, PAWTUCKET	\$3,410,368	\$8,503,203		\$11,913,571	\$2,475,809	\$9,437,762	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$12,680,638	\$1		\$12,680,639	\$12,680,638	\$1	\$0
STP-ENHANCEMENT	\$0	\$596,138	\$0	\$596,138	\$0	\$596,138	\$0
SAFE ROUTES TO SCHOOLS PGM.	\$0	\$46,866		\$46,866	\$0	\$46,866	\$0
RECREATIONAL TRAILS	\$1,186,729	\$1,332,780		\$2,519,509	\$2,519,509	\$0	\$0
TAP FLEX	\$5,483,782	\$3,250,767	\$0	\$8,734,549	\$4,714,646	\$4,019,903	\$0
TAP NON-FLEX	\$5,483,782	\$3,262,871		\$8,746,653	\$4,071,335	\$4,675,318	\$0
-BOSTON URBAN AREA	\$3,423,546	\$1		\$3,423,547	\$3,423,546	\$1	\$0
-BARNSTABLE URBAN AREA	\$206,613	\$4,041		\$210,654	\$202,572	\$8,082	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$445,217	\$1		\$445,218	\$445,217	\$1	\$0
-WORCESTER URBAN AREA	\$379,888	\$1		\$379,889	\$0	\$379,889	\$0
-PROVIDENCE, PAWTUCKET	\$217,987	\$226,528		\$444,515	\$0	\$444,515	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$810,531	\$3,063,204		\$3,873,735	\$0	\$3,873,735	\$0
HWY SAFETY IMPROVEMENT PGM.	\$34,664,070	\$8,221,909	\$0	\$42,885,979	\$35,838,493	\$7,047,486	\$0
HSIP - High Risk Rural	\$0	\$4,418,983		\$4,418,983	\$0	\$4,418,983	\$0
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,319,028	\$4,219,744	\$0	\$5,538,772	\$2,000,000	\$3,538,772	\$0
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,319,028	\$2,461,140	\$0	\$3,780,168	\$1,800,000	\$1,980,168	\$0
CMAQ	\$65,668,975	\$20,654,229	\$5,000,000	\$91,323,204	\$89,139,254	\$2,183,950	(\$1,775,224)
PLANNING	\$22,176,355	\$19,365,425	\$0	\$41,541,780	\$22,696,960	\$18,844,820	\$0
FEDERAL AID SUB-TOTAL:	\$654,905,847	\$194,515,172	\$0	\$849,421,019	\$631,931,901	\$217,489,119	(\$1,775,224)

Estimated Obligation Authority \$661,680,000

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 20192018-2022 STIP, Rev006

FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
EARMARKS	\$0	\$102,336,333		\$102,336,333	\$16,759,602	\$85,576,731	\$0
HIP FLEX	\$0	\$14,380,659		\$14,380,659	\$0	\$14,380,659	\$0
HIP NON-FLEX	\$0	\$16,198,363		\$16,198,363	\$0	\$16,198,363	\$0
-BOSTON URBAN AREA	\$0	\$10,124,012		\$10,124,012	\$0	\$10,124,012	
-BARNSTABLE URBAN AREA	\$0	\$610,989		\$610,989	\$0	\$610,989	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$1,316,584		\$1,316,584	\$0	\$1,316,584	
-WORCESTER URBAN AREA	\$0	\$1,123,395		\$1,123,395	\$0	\$1,123,395	
-PROVIDENCE, PAWTUCKET	\$0	\$644,625		\$644,625	\$0	\$644,625	
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$2,378,758		\$2,378,758	\$0	\$2,378,758	
NHPP-EXEMPT	\$9,285,967	\$17,017,838		\$26,303,804	\$0	\$26,303,804	\$0
MISCELLANEOUS / ALLOCATED FUNDS	\$1,724,611	\$20,996,808		\$22,721,419	\$1,230,000	\$21,491,419	\$0
HWY RSCH & DEPLY ENVI FAST HEP	\$150,000			\$150,000			
FEDERAL AID TOTAL >	\$665,916,425	\$365,445,173	\$0	\$1,031,361,598	\$649,921,503	\$381,440,095	(\$1,775,224)
STATE MATCH FOR FEDERAL AID					\$135,914,694		
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$785,836,197		

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 2020							2018-2022 STIP, Rev006
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE MINUS ESTIMATED RESCISSION	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
NATIONAL HIGHWAY PERFORMANCE	\$346,838,887	\$31,259,838	\$0	\$378,098,725	\$333,308,506	\$44,790,220	\$0
NATIONAL HIGHWAY FREIGHT PROGRAM	\$22,458,721	\$8,577,661	\$0	\$31,036,382	\$14,635,658	\$16,400,724	\$0
STP FLEX	\$44,733,390	\$2,203,635	\$0	\$46,937,025	\$38,914,071	\$8,022,953	\$0
BRIDGE-OFF SYSTEM	\$28,456,838	\$41,506,047		\$69,962,885	\$30,225,753	\$39,737,132	\$0
STP NON-FLEX	\$89,454,723	\$28,531,323		\$117,986,046	\$106,896,689	\$11,089,357	\$0
-BOSTON URBAN AREA	\$55,846,914	\$4,394,257		\$60,241,171	\$60,241,171	\$0	\$0
-BARNSTABLE URBAN AREA	\$3,370,385	\$5,905,240		\$9,275,625	\$5,834,852	\$3,440,773	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,262,652	\$3,830,282		\$11,092,934	\$11,092,934	\$0	\$0
-WORCESTER URBAN AREA	\$6,196,962	\$4,963,781		\$11,160,743	\$11,160,743	\$0	\$0
-PROVIDENCE, PAWTUCKET	\$3,555,931	\$9,437,762		\$12,993,693	\$5,345,110	\$7,648,583	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$13,221,879	\$1		\$13,221,880	\$13,221,879	\$1	\$0
STP-ENHANCEMENT	\$0	\$351,722	\$0	\$351,722	\$0	\$351,722	\$0
SAFE ROUTES TO SCHOOLS PGM.	\$0	\$27,651		\$27,651	\$0	\$27,651	\$0
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0	\$0
TAP FLEX	\$5,483,782	\$2,371,743	\$0	\$7,855,524	\$6,399,926	\$1,455,598	\$0
TAP NON-FLEX	\$5,483,782	\$2,758,437		\$8,242,219	\$4,368,134	\$3,874,085	\$0
-BOSTON URBAN AREA	\$3,423,546	\$0		\$3,423,546	\$3,356,593	\$66,953	\$0
-BARNSTABLE URBAN AREA	\$206,613	\$4,768		\$211,381	\$202,572	\$8,809	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$445,217	\$0		\$445,217	\$436,510	\$8,707	\$0
-WORCESTER URBAN AREA	\$379,888	\$224,135		\$604,023	\$372,459	\$231,564	\$0
-PROVIDENCE, PAWTUCKET	\$217,987	\$262,264		\$480,251	\$0	\$480,251	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$810,531	\$2,285,504		\$3,096,035	\$0	\$3,096,035	\$0
HWY SAFETY IMPROVEMENT PGM.	\$35,367,782	\$7,047,486	\$0	\$42,415,268	\$33,924,199	\$8,491,069	\$0
HSIP - High Risk Rural	\$0	\$4,418,983		\$4,418,983	\$0	\$4,418,983	\$0
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,346,508	\$3,538,772	\$0	\$4,885,279	\$1,000,000	\$3,885,279	\$0
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,346,508	\$1,980,168	\$0	\$3,326,675	\$1,000,000	\$2,326,675	\$0
CMAQ	\$67,002,744	\$1,288,530	\$0	\$68,291,274	\$64,793,407	\$3,497,867	\$0
PLANNING	\$22,707,173	\$12,380,966	\$0	\$35,088,139	\$22,696,960	\$12,391,179	\$0
FEDERAL AID SUB-TOTAL:	\$671,867,564	\$148,242,962	\$0	\$820,110,526	\$659,350,032	\$160,760,494	\$0

Estimated Obligation Authority **\$676,330,000**

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 20202018-2022 STIP, Rev006

FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE MINUS ESTIMATED RESCISSION	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
EARMARKS	\$0	\$85,576,731		\$85,576,731	\$0	\$85,576,731	\$0
HIP FLEX	\$0	\$14,380,659		\$14,380,659	\$0	\$14,380,659	\$0
HIP NON-FLEX	\$0	\$16,198,363		\$16,198,363	\$0	\$16,198,363	\$0
-BOSTON URBAN AREA	\$0	\$10,124,012		\$10,124,012	\$0	\$10,124,012	
-BARNSTABLE URBAN AREA	\$0	\$610,989		\$610,989	\$0	\$610,989	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$1,316,584		\$1,316,584	\$0	\$1,316,584	
-WORCESTER URBAN AREA	\$0	\$1,123,395		\$1,123,395	\$0	\$1,123,395	
-PROVIDENCE, PAWTUCKET	\$0	\$644,625		\$644,625	\$0	\$644,625	
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$2,378,758		\$2,378,758	\$0	\$2,378,758	
NHPP-EXEMPT	\$9,286,246	\$15,519,244		\$24,805,490	\$0	\$24,805,490	\$0
MISCELLANEOUS / ALLOCATED FUNDS	\$494,611	\$21,491,419		\$21,986,030	\$0	\$21,986,030	\$0
HWY RSCH & DEPLY ENVI FAST HEP	\$150,000			\$150,000			
FEDERAL AID TOTAL >	\$681,648,421	\$301,409,378	\$0	\$983,057,799	\$659,350,032	\$323,707,767	\$0
STATE MATCH FOR FEDERAL AID					\$128,254,200		
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$787,604,232		

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 2021							2018-2022 STIP, Rev006
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
NATIONAL HIGHWAY PERFORMANCE	\$346,838,887	\$44,790,220	\$0	\$391,629,107	\$351,507,925	\$40,121,182	\$0
NATIONAL HIGHWAY FREIGHT PROGRAM	\$22,458,721	\$16,400,724	(\$3,250,000)	\$35,609,445	\$32,245,872	\$3,363,573	\$0
STP FLEX	\$44,733,390	\$8,022,953	\$1,250,000	\$54,006,343	\$53,781,814	\$224,529	\$0
BRIDGE-OFF SYSTEM	\$28,456,838	\$39,737,132		\$68,193,970	\$26,863,114	\$41,330,856	\$0
STP NON-FLEX	\$89,454,723	\$11,089,357		\$100,544,080	\$95,893,574	\$4,650,506	\$0
-BOSTON URBAN AREA	\$55,846,914	\$0		\$55,846,914	\$55,846,914	\$0	\$0
-BARNSTABLE URBAN AREA	\$3,370,385	\$3,440,773		\$6,811,158	\$3,370,385	\$3,440,773	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,262,652	\$0		\$7,262,652	\$7,262,652	\$0	\$0
-WORCESTER URBAN AREA	\$6,196,962	\$0		\$6,196,962	\$6,196,962	\$0	\$0
-PROVIDENCE, PAWTUCKET	\$3,555,931	\$7,648,583		\$11,204,514	\$9,994,782	\$1,209,732	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$13,221,879	\$1		\$13,221,880	\$13,221,879	\$1	\$0
STP-ENHANCEMENT	\$0	\$351,722	\$0	\$351,722	\$0	\$351,722	\$0
SAFE ROUTES TO SCHOOLS PGM.	\$0	\$27,651		\$27,651	\$0	\$27,651	\$0
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0	\$0
TAP FLEX	\$5,483,782	\$1,455,598	\$0	\$6,939,380	\$3,307,529	\$3,631,851	\$0
TAP NON-FLEX	\$5,483,782	\$3,874,085		\$9,357,866	\$4,827,817	\$4,530,049	\$0
-BOSTON URBAN AREA	\$3,423,546	\$66,953		\$3,490,498	\$3,490,498	\$0	\$0
-BARNSTABLE URBAN AREA	\$206,613	\$8,809		\$215,422	\$202,572	\$12,850	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$445,217	\$8,707		\$453,924	\$436,510	\$17,414	\$0
-WORCESTER URBAN AREA	\$379,888	\$231,564		\$611,452	\$0	\$611,452	\$0
-PROVIDENCE, PAWTUCKET	\$217,987	\$480,251		\$698,238	\$698,237	\$1	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$810,531	\$3,096,035		\$3,906,566	\$0	\$3,906,566	\$0
HWY SAFETY IMPROVEMENT PGM.	\$35,367,782	\$8,491,069	\$0	\$43,858,850	\$26,727,133	\$17,131,717	\$0
HSIP - High Risk Rural	\$0	\$4,418,983		\$4,418,983	\$0	\$4,418,983	\$0
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,346,508	\$3,885,279	\$0	\$5,231,787	\$1,000,000	\$4,231,787	\$0
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,346,508	\$2,326,675	\$0	\$3,673,183	\$1,000,000	\$2,673,183	\$0
CMAQ	\$67,002,744	\$3,497,867	\$2,000,000	\$72,500,611	\$70,458,662	\$2,041,949	\$0
PLANNING	\$22,707,173	\$12,751,124	\$0	\$35,458,297	\$22,696,960	\$12,761,337	\$0
FEDERAL AID SUB-TOTAL:	\$671,867,564	\$161,120,439	\$0	\$832,988,003	\$691,497,129	\$141,490,874	\$0

Estimated Obligation Authority **\$691,990,000**

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 20212018-2022 STIP, Rev006

FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
EARMARKS	\$0	\$85,576,731		\$85,576,731	\$8,084,944	\$77,491,787	\$0
HIP FLEX	\$0	\$14,380,659		\$14,380,659	\$0	\$14,380,659	\$0
HIP NON-FLEX	\$0	\$16,198,363		\$16,198,363	\$0	\$16,198,363	\$0
-BOSTON URBAN AREA	\$0	\$10,124,012		\$10,124,012	\$0	\$10,124,012	
-BARNSTABLE URBAN AREA	\$0	\$610,989		\$610,989	\$0	\$610,989	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$1,316,584		\$1,316,584	\$0	\$1,316,584	
-WORCESTER URBAN AREA	\$0	\$1,123,395		\$1,123,395	\$0	\$1,123,395	
-PROVIDENCE, PAWTUCKET	\$0	\$644,625		\$644,625	\$0	\$644,625	
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$2,378,758		\$2,378,758	\$0	\$2,378,758	
NHPP-EXEMPT	\$9,286,246	\$16,472,212		\$25,758,458	\$0	\$25,758,458	\$0
MISCELLANEOUS / ALLOCATED FUNDS	\$494,611	\$21,986,030		\$22,480,641	\$0	\$22,480,641	\$0
HWY RSCH & DEPLY ENVI FAST HEP	\$150,000			\$150,000			
FEDERAL AID TOTAL >	\$681,648,421	\$315,734,434	\$0	\$997,382,855	\$699,582,073	\$297,800,782	\$0
STATE MATCH FOR FEDERAL AID					\$140,553,399		
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$840,135,472		
NOTES: MISCELLANEOUS / OTHER / UNDETERMINED Apportionment Includes estimated NHPP Exempt.							

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 2022							2018-2022 STIP, Rev006
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
NATIONAL HIGHWAY PERFORMANCE	\$346,838,887	\$40,121,182	(\$3,000,000)	\$383,960,069	\$380,901,755	\$3,058,314	\$0
NATIONAL HIGHWAY FREIGHT PROGRAM	\$22,458,721	\$3,363,573	(\$3,000,000)	\$22,822,294	\$22,458,721	\$363,573	\$0
STP FLEX	\$44,733,390	\$224,529	\$6,000,000	\$50,957,918	\$50,598,225	\$359,693	\$0
BRIDGE-OFF SYSTEM	\$28,456,838	\$41,330,856		\$69,787,694	\$33,593,273	\$36,194,421	\$0
STP NON-FLEX	\$89,454,723	\$4,650,506		\$94,105,229	\$90,454,723	\$3,650,506	\$0
-BOSTON URBAN AREA	\$55,846,914	\$0		\$55,846,914	\$55,846,914	\$0	\$0
-BARNSTABLE URBAN AREA	\$3,370,385	\$3,440,773		\$6,811,158	\$3,370,385	\$3,440,773	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,262,652	\$0		\$7,262,652	\$7,262,652	\$0	\$0
-WORCESTER URBAN AREA	\$6,196,962	\$0		\$6,196,962	\$6,196,962	\$0	\$0
-PROVIDENCE, PAWTUCKET	\$3,555,931	\$1,209,732		\$4,765,663	\$4,555,931	\$209,732	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$13,221,879	\$1		\$13,221,880	\$13,221,879	\$1	\$0
STP-ENHANCEMENT	\$0	\$351,722	\$0	\$351,722	\$0	\$351,722	\$0
SAFE ROUTES TO SCHOOLS PGM.	\$0	\$27,651		\$27,651	\$0	\$27,651	\$0
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0	\$0
TAP FLEX	\$5,483,782	\$3,631,851	\$0	\$9,115,632	\$532,459	\$8,583,173	\$0
TAP NON-FLEX	\$5,483,782	\$4,530,049		\$10,013,831	\$3,501,371	\$6,512,460	\$0
-BOSTON URBAN AREA	\$3,423,546	\$0		\$3,423,546	\$2,648,565	\$774,981	\$0
-BARNSTABLE URBAN AREA	\$206,613	\$12,850		\$219,462	\$202,572	\$16,890	\$0
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$445,217	\$17,414		\$462,631	\$436,510	\$26,121	\$0
-WORCESTER URBAN AREA	\$379,888	\$611,452		\$991,340	\$0	\$991,340	\$0
-PROVIDENCE, PAWTUCKET	\$217,987	\$1		\$217,988	\$213,724	\$4,264	\$0
-OTHER AREAS (RURAL & SMALL URBAN)	\$810,531	\$3,906,566		\$4,717,097	\$0	\$4,717,097	\$0
HWY SAFETY IMPROVEMENT PGM.	\$35,367,782	\$17,131,717	\$0	\$52,499,499	\$30,331,989	\$22,167,510	\$0
HSIP - High Risk Rural	\$0	\$4,418,983		\$4,418,983	\$0	\$4,418,983	\$0
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,346,508	\$4,231,787	\$0	\$5,578,294	\$1,000,000	\$4,578,294	\$0
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,346,508	\$2,673,183	\$0	\$4,019,690	\$1,000,000	\$3,019,690	\$0
CMAQ	\$67,002,744	\$2,041,949	\$0	\$69,044,694	\$60,848,924	\$8,195,770	\$0
PLANNING	\$22,707,173	\$13,121,282	\$0	\$35,828,455	\$22,696,960	\$13,131,495	\$0
FEDERAL AID SUB-TOTAL:	\$671,867,564	\$141,850,819	\$0	\$813,718,383	\$699,105,129	\$114,613,254	\$0

Estimated Obligation Authority **\$708,740,000**

MassDOT Fiscal Constraint Analysis for FFY 2018 - 2022  
STIP Action #006

Federal Fiscal Year 20222018-2022 STIP, Rev006

FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	NET CHANGE IN PROGRAMMED OBLIGATIONS
EARMARKS	\$0	\$77,491,787		\$77,491,787	\$512,000	\$76,979,787	\$0
HIP FLEX	\$0	\$0		\$0	\$0	\$0	\$0
HIP NON-FLEX	\$0	\$0		\$0	\$0	\$0	\$0
-BOSTON URBAN AREA	\$0	\$0		\$0	\$0	\$0	
-BARNSTABLE URBAN AREA	\$0	\$0		\$0	\$0	\$0	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$0		\$0	\$0	\$0	
-WORCESTER URBAN AREA	\$0	\$0		\$0	\$0	\$0	
-PROVIDENCE, PAWTUCKET	\$0	\$0		\$0	\$0	\$0	
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$0		\$0	\$0	\$0	
NHPP-EXEMPT	\$9,286,246	\$25,758,458		\$35,044,703	\$0	\$35,044,703	\$0
MISCELLANEOUS / ALLOCATED FUNDS	\$494,611	\$22,480,641		\$22,975,252	\$0	\$22,975,252	\$0
HWY RSCH & DEPLY ENVI FAST HEP	\$150,000			\$150,000			
FEDERAL AID TOTAL >	\$681,648,421	\$267,581,705	\$0	\$949,230,126	\$699,617,129	\$249,612,996	\$0
STATE MATCH FOR FEDERAL AID					\$139,190,570		
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$838,807,699		

# 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:</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
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## ► Section 1A / Regionally Prioritized Projects

### ► Regionally Prioritized Projects

	Roadway reconstruction program	606440	Central Mass	Princeton	PRINCETON- RECONSTRUCTION OF ROUTE 140, FROM STERLING T.L. THROUGH EAST PRINCETON VILLAGE TO ROUTE 31, INCLUDING REHAB OF P-16-017	3	STP	\$ 7,984,000	\$ 6,387,200	\$ 1,596,800	Construction / STP Total Project Cost = \$7,984,000 / PM Score = 13 / Design Status = 75%
	Roadway reconstruction program	607250	Central Mass	Paxton	PAXTON- RECLAMATION ON ROUTE 31 (HOLDEN ROAD)	3	STP	\$ 3,818,102	\$ 3,054,482	\$ 763,620	Construction / STP + TAP Total Project Cost = \$4,283,676 / PM Score = 11 / Design Status = 75%
	Roadway reconstruction program	607250	Central Mass	Paxton	PAXTON- RECLAMATION ON ROUTE 31 (HOLDEN ROAD)	3	TAP	\$ 465,574	\$ 372,459	\$ 93,115	Construction / STP + TAP Total Project Cost = \$4,283,676 / PM Score = 11 / Design Status = 75% / Project proponent is town of Paxton
	Roadway reconstruction program	606888	Central Mass	Worcester	WORCESTER- BLACKSTONE CANAL STREETScape IMPROVEMENTS ON HARDING STREET	3	STP	\$ 414,528	\$ 331,622	\$ 82,906	Construction / STP + TAP + Sec 129 Total Project Cost = \$1,915,100 / MA238 / Design Status = 75/100% / \$300,000 of the total cost is being paid by the City of Worcester
	Roadway reconstruction program	606888	Central Mass	Worcester	WORCESTER- BLACKSTONE CANAL STREETScape IMPROVEMENTS ON HARDING STREET	3	TAP	\$ 504,204	\$ 403,363	\$ 100,841	Construction / STP + TAP + Sec 129 Total Project Cost = \$1,915,100 / MA238 / Design Status = 75/100% / \$300,000 of the total cost is being paid by the City of Worcester
AMENDMENT: Increase Cost	Bicycles and pedestrians program	605820	Central Mass	Worcester	WORCESTER- BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET	3	CMAQ	\$ 2,181,354	\$ 1,745,083	\$ 436,271	Construction / CMAQ + HPP Total Project Cost = \$7,060,000 / HPP#4283 - MA202, HPP#2218 - MA157, HPP#2509 - MA165 & MA006 / Design Status = 75%
	Intersection improvements program	605740	Central Mass	Worcester	WORCESTER- INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET & GRANITE STREET	3	STP	\$ 2,089,993	\$ 1,671,994	\$ 417,999	Construction / CMAQ + HSIP + STP Total Project Cost = \$3,853,939 / PM Score = 14 / Design Status = 25%
	Intersection improvements program	605740	Central Mass	Worcester	WORCESTER- INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET & GRANITE STREET	3	CMAQ	\$ 1,305,638	\$ 1,044,510	\$ 261,128	Construction / CMAQ + HSIP + STP Total Project Cost = \$3,853,939 / PM Score = 14 / Design Status = 25%
	Intersection improvements program	605740	Central Mass	Worcester	WORCESTER- INTERSECTION IMPROVEMENTS AT WINTHROP STREET & PROVIDENCE STREET, VERNON STREET & GRANITE STREET	3	HSIP	\$ 458,309	\$ 412,478	\$ 45,831	Construction / CMAQ + HSIP + STP Total Project Cost = \$3,853,939 / PM Score = 14 / Design Status = 25%
Regionally Prioritized Projects subtotal ►								\$ 19,221,701	\$ 15,423,191	\$ 3,798,509	◄ 80% Federal + 20% Non-Federal

## ► Section 1A / Fiscal Constraint Analysis

Total Regional Federal Aid Funds Programmed ►				► Total	\$ 0	Target Funds Available
STP programmed ►				\$ 14,306,622	\$ 15,689,750	◄ Max STP \$ 1,383,128 STP available
HSIP programmed ►				\$ 458,309	\$ 869,013	◄ Min. HSIP \$ 410,704 HSIP recommended not met
CMAQ programmed ►				\$ 3,486,992	\$ 2,172,533	◄ Min. CMAQ \$ (1,314,459) CMAQ recommended met

**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

# 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:</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
TAP programmed ▶								\$ 969,778	\$ 490,405	◀ Min. TAP	\$ (479,373) TAP amount exceeded!
Remaining HSIP, CMAQ, and TAP Funds \$ 0											

## ► Section 1B / Earmark or Discretionary Grant Funded Projects

### ► Other Federal Aid

	Earmark Discretionary	604893	Central Mass	Worcester	WORCESTER- STREETScape IMPROVEMENTS AT MAIN STREET & MAYWOOD STREET	3	TI	\$ 2,104,176	\$ 1,683,341	\$ 420,835	Construction / Total Project Cost = \$2,104,176 / TI#177 - MA213 / Design Status = 100%
AMENDMENT: Decrease Cost	Earmark Discretionary	605820	Central Mass	Worcester	WORCESTER- BLACKSTONE RIVER BIKEWAY (SEGMENT 7), INCLUDING BRIDGE REHAB, W-44-041, MCGRATH BOULEVARD OVER MADISON STREET	3	HPP	\$ 4,878,646	\$ 3,902,917	\$ 975,729	Construction / CMAQ + HPP Total Project Cost = \$7,060,000 / HPP#4283 - MA202, HPP#2218 - MA157, HPP#2509 - MA165 & MA006 / Design Status = 75%
	Earmark Discretionary	606888	Central Mass	Worcester	WORCESTER- BLACKSTONE CANAL STREETScape IMPROVEMENTS ON HARDING STREET	3	Sec 129	\$ 735,000	\$ 735,000		Construction / STP + Sec 129 Total Project Cost = \$1,915,100 / MA238 / Design Status = 75/100% / \$300,000 of the total cost is being paid by the City of Worcester / The earmark monies is 100% federally funded
Other Federal Aid subtotal ▶								\$ 7,717,822	\$ 6,321,258	\$ 1,396,564	◀ Funding Split Varies by Funding Source

## ► Section 2A / State Prioritized Reliability Projects

### ► Bridge Program / Inspections

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

### ► Bridge Program / Off-System

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

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

	Bridge Program	Project #	Central Mass	Municipalities	Description	District	NHPP-On	\$ -	\$ -	\$ -	
Bridge Program / On-System (NHS) subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

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

	Bridge Program	Project #	Central Mass	Municipalities	Description	District	NHPP-Off	\$ -	\$ -	\$ -	
Bridge Program / On-System (Non-NHS) subtotal ▶								\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

### ► Bridge Program / Systematic Maintenance

	Bridge Program	Project #	Central Mass	Municipalities	Description	District	NHPP-On	\$ -	\$ -	\$ -	
Bridge Program / Systematic Maintenance subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

### ► Interstate Pavement

	Interstate Pavement	608822	Central Mass	Multiple	AUBURN- WORCESTER- PAVEMENT PRESERVATION AND RELATED WORK ON I-290	3	NHPP	\$ 5,022,080	\$ 4,519,872	\$ 502,208	Construction
Interstate Pavement subtotal ▶								\$ 5,022,080	\$ 4,519,872	\$ 502,208	◀ 90% Federal + 10% Non-Federal

### ► Non-Interstate Pavement

	Non-Interstate Pavement	608808	Central Mass	Multiple	MILLVILLE- UXBRIDGE- PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 146	3	NHPP	\$ 4,715,280	\$ 3,772,224	\$ 943,056	Construction
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# 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

	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;
AMENDMENT: Add Project	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	\$ -	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 ►								\$ 8,522,979	\$ 6,832,640	\$ 1,690,339	◀ 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.

<b>Total Regional Federal Aid Funds Programmed ►</b>	<b>\$ 8,522,979</b>	<b>\$ 9,797,737</b>	<b>◀Total</b>	<b>\$ 1,274,758</b>	<b>Target Funds Available</b>
STP programmed ►	\$ 1,338,785	\$ 7,896,392	◀ Max STP	\$ 6,557,607	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 \$ 1,274,758

## ► Section 1B / Earmark or Discretionary Grant Funded Projects

### ► Other Federal Aid

Earmark Discretionary	Project #	MPO	Municipalities	Description	District	HPP	\$ -	\$ -	\$ -	
Other Federal Aid subtotal ►							\$ -	\$ -	\$ -	◀ 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)

# 2018 Northern Middlesex Region Transportation Improvement

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: Increase Cost	Intersection improvements program	608037	Northern Middlesex	Westford	WESTFORD- INTERSECTION IMPROVEMENTS @ GROTON ROAD (ROUTE 40) & DUNSTABLE ROAD	3	STP	\$ 2,773,260	\$ 2,218,608	\$ 554,652	Construction; Total cost: \$3,362,131 using STP and CMAQ; NMMPO TEC Score: 6.25 out of 18.
AMENDMENT: Change Additional Information	Intersection improvements program	608037	Northern Middlesex	Westford	WESTFORD- INTERSECTION IMPROVEMENTS @ GROTON ROAD (ROUTE 40) & DUNSTABLE ROAD	3	CMAQ	\$ 588,901	\$ 471,121	\$ 117,780	Construction; Total cost: \$3,362,161 using STP and CMAQ; NMMPO TEC Score: 6.25 out of 18.
	Intersection improvements program	606189	Northern Middlesex	Lowell	LOWELL- IMPROVEMENTS ON ROUTE 38 AT FOUR INTERSECTIONS	4	TAP	\$ 281,909	\$ 225,527	\$ 56,382	Construction; Total Cost: \$4,426,100 using HSIP and TAP; NMMPO TEC Score: 6.27 out of 18.
	Intersection improvements program	606189	Northern Middlesex	Lowell	LOWELL- IMPROVEMENTS ON ROUTE 38 AT FOUR INTERSECTIONS	4	STP	\$ 4,144,191	\$ 3,315,353	\$ 828,838	Construction; Total Cost: \$4,426,100 using HSIP and TAP; NMMPO TEC Score: 6.27 out of 18.
	STIP program	Project #	Northern Middlesex	Municipalities	Description	District	Funding	\$ -	\$ -	\$ -	
Regionally Prioritized Projects subtotal ►								\$ 7,788,261	\$ 6,230,609	\$ 1,557,652	◀ 80% Federal + 20% Non-Federal

## ► Section 1A / Fiscal Constraint Analysis

<b>Total Regional Federal Aid Funds Programmed ►</b>								<b>\$ 7,788,261</b>	<b>\$ 8,647,664</b>	<b>◀ Total</b>	<b>\$ 859,403</b>	<b>Target Funds Available</b>
STP programmed ►								\$ 6,917,451	\$ 6,997,392	◀ Max STP	\$ 79,941	STP available
HSIP programmed ►								\$ -	\$ 390,961	◀ Min. HSIP	\$ 390,961	HSIP recommended not met
CMAQ programmed ►								\$ 588,901	\$ 977,402	◀ Min. CMAQ	\$ 388,501	CMAQ recommended not met
TAP programmed ►								\$ 281,909	\$ 281,909	◀ Min. TAP	\$ 0	TAP recommended not met
Remaining HSIP, CMAQ, and TAP Funds								\$ 859,403				

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.

## ► Section 1B / Earmark or Discretionary Grant Funded Projects

### ► Other Federal Aid

	Earmark Discretionary	FLNM01	Northern Middlesex	Lowell	BRIDGE STREET-MERRIMACK RIVERWALK/ DOWNTOWN LOWELL CANALWAY PEDESTRIAN IMPROVEMENTS/ PAWTUCKET CANAL BRIDGE IMPROVEMENTS	4	Other FA	\$ 1,341,250	\$ 1,073,000	\$ 268,250	Other FA; Federal Lands Access Program award to the City of Lowell
	Earmark Discretionary	Project #	Northern Middlesex	Municipalities	Description	District	HPP	\$ -	\$ -	\$ -	
Other Federal Aid subtotal ►								\$ 1,341,250	\$ 1,073,000	\$ 268,250	◀ 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)

Bridge Program	Project #	MPO	Municipalities	Description	District	NHPP-On	\$ -	\$ -	\$ -	
Bridge Program / On-System (NHS) subtotal ►							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

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

# 2018 SE 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:</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
	Bridge Program	Project #	MPO	Municipalities	Description	District	NHPP-On	\$ -	\$ -	\$ -	
Bridge Program / On-System (NHS) subtotal ▶								\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Bridge Program / On-System (Non-NHS)											
	Bridge Program	Project #	MPO	Municipalities	Description	District	NHPP-Off	\$ -	\$ -	\$ -	
Bridge Program / On-System (Non-NHS) subtotal ▶								\$ -	\$ -	\$ -	◀ 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	607566	Southeastern Mass	Multiple	SEEKONK- REHOBOTH- INTERSTATE MAINTENANCE & RELATED WORK ON I-195	5	STP	\$ 10,025,772	\$ 9,023,195	\$ 1,002,577	Construction / Includes \$2,000,000 of stormwater improvements
	Interstate Pavement	608377	Southeastern Mass	Multiple	DARTMOUTH- NEW BEDFORD- INTERSTATE MAINTENANCE AND RELATED WORK ON I-195	5	NHPP	\$ 11,217,552	\$ 10,095,797	\$ 1,121,755	Construction
Interstate Pavement subtotal ▶								\$ 21,243,324	\$ 19,118,992	\$ 2,124,332	◀ 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											
ADJUSTMENT: Change Project Description, ADJUSTMENT: Decrease Cost	Safety Improvements	608893	Southeastern Mass	Multiple	NORTON - TAUNTON - MEDIAN CABLE BARRIER INSTALLATION ON I-495	5	HSIP	\$ 940,771	\$ 846,694	\$ 94,077	
Safety Improvements subtotal ▶								\$ 940,771	\$ 846,694	\$ 94,077	◀ 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

# 2018 SE 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:</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
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► Roadway Reconstruction											
	Roadway Reconstruction	608001	Southeastern Mass	Fall River	FALL RIVER- IMPROVEMENTS AT VIVEIROS ELEMENTARY SCHOOL (SRTS)	5	TAP	\$ 1,256,040	\$ 1,004,832	\$ 251,208	Construction / TAP project proponent is Fall River
	Roadway Reconstruction	608747	Southeastern Mass	New Bedford	NEW BEDFORD- IMPROVEMENTS AT ASHLEY AND LINCOLN ELEMENTARY SCHOOLS (SRTS)	5	TAP	\$ 1,545,600	\$ 1,236,480	\$ 309,120	Construction
Roadway Reconstruction subtotal ►								\$ 2,801,640	\$ 2,241,312	\$ 560,328	◀ 80% Federal + 20% Non-Federal

## ► Section 2C / State Prioritized Expansion Projects

► Bicycles and Pedestrians											
ADJUSTMENT:Change Additional Information	Bicycles and Pedestrians	605677	Southeastern Mass	Mattapoisett	MATTAPOISETT- MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY), FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	5	CMAQ	\$ 592,221	\$ 473,777	\$ 118,444	Total Project Cost \$7,960,228 (FFY2018 \$592,221 CMAQ / FFY2019 \$2,143,101 TAP / FFY2019 \$5,224,906 CMAQ); AC YR 1 of 2 / PSAC score 20
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

► 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 ▼	
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Total ►	\$ 47,393,747	\$ -	\$ 47,393,747	◀ Total Spending in Region
Federal Funds ►	\$ 40,223,008		\$ 40,223,008	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 7,170,739	\$ -	\$ 7,170,739	◀ Total Non-Federal Spending in Region

# FFY2018-2022 TIP Proposed Adjustment #4

## 2019 SE 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:</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
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### ► Section 2C / State Prioritized Expansion Projects

#### ► Bicycles and Pedestrians

ADJUSTMENT:Change Additional Information	Bicycles and Pedestrians	605677	Southeastern Mass	Mattapoiet	MATTAPOISETT- MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY), FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	5	TAP	\$ 2,143,101	\$ 1,714,481	\$ 1,371,585	Total Project Cost \$7,960,228 (FFY2018 \$592,221 CMAQ / FFY2019 \$2,143,101 TAP / FFY2019 \$5,224,906 CMAQ); AC YR 2 of 2 / PSAC score 20
ADJUSTMENT:Decrease Cost	Bicycles and Pedestrians	605677	Southeastern Mass	Mattapoiet	MATTAPOISETT- MULTI-USE PATH CONSTRUCTION (PENN CENTRAL RIGHT OF WAY), FROM MATTAPOISETT NECK ROAD TO DEPOT STREET (PHASE 1B)	5	CMAQ	\$ 5,224,906	\$ 4,179,925	\$ 3,343,940	Total Project Cost \$7,960,228 (FFY2018 \$592,221 CMAQ / FFY2019 \$2,143,101 TAP / FFY2019 \$5,224,906 CMAQ); AC YR 2 of 2 / PSAC score 20
Bicycle and Pedestrian subtotal ►								\$ 7,368,007	\$ 5,894,406	\$ 4,715,525	◀ 80% Federal + 20% Non-Federal

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

### ► Section 3 / Planning / Adjustments / Pass-throughs

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

### ► Section 4 / Non-Federally Aided Projects

► Non-Federally Aided Projects	Non Federal Aid	Project #	MPO	Municipalities	Description	District	NFA	\$ -	\$ -	\$ -	
								\$ -	\$ -	\$ -	◀ 100% Non-Federal
Non-Federal Aid subtotal ►								\$ -	\$ -	\$ -	

## 2019 Summary

	TIP Section 1 - 3: ▼	TIP Section 4: ▼	Total of All Projects ▼	
Total ►	\$ 70,280,724	\$ -	\$ 70,280,724	◀ Total Spending in Region
Federal Funds ►	\$ 55,653,919	\$ -	\$ 55,653,919	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 14,626,806	\$ -	\$ 14,626,806	◀ 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 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	608581	Statewide	Multiple	STATEWIDE-VARIOUS SAFETY STRATEGIES TO ADDRESS SHSP-TO BE DETERMINED (2018)	Multiple	HSIP	\$ 343,503	\$ 309,153	\$ 34,350	Cost adjusted for adding Project ID 608893 Norton Median Cable Barrier Installation on I-495 in Southeastern Mass MPO
	Intersection Improvements						CMAQ				
Intersection Improvements subtotal ►								\$ 1,323,129	\$ 1,190,816	\$ 132,313	◀ Funding Split Varies by Funding Source
► Intelligent Transportation Systems											
ADJUSTMENT: Decrease Cost	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
ADJUSTMENT: Decrease Cost	Intelligent Transportation Systems	608991	Statewide	Multiple	DISTRICT 5 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS	5	NHPP	\$ 4,105,315	\$ 3,284,252	\$ 821,063	Construction / Total Project Cost = \$4,726,460
ADJUSTMENT: Increase Cost	Intelligent Transportation Systems	607487	Statewide	Multiple	DISTRICT 3 - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS	3	NHPP	\$ 4,726,460	\$ 3,781,168	\$ 945,292	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											
	Planning / Adjustments / Pass-throughs	ABPGAN	Statewide	Multiple	ABP GANS Repayment	Multiple	NHPP	\$ 62,596,967	\$ 62,596,967	\$ -	

# 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
	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	
	Planning / Adjustments / Pass-throughs	EWO	Statewide	Multiple	Award adjustments, change orders, etc.	Multiple	NHPP	\$ 16,250,000	\$ 13,000,000	\$ 3,250,000	
	Planning / Adjustments / Pass-throughs	EWO	Statewide	Multiple	Award adjustments, change orders, etc.	Multiple	STP	\$ 13,750,000	\$ 11,000,000	\$ 2,750,000	
	Planning / Adjustments / Pass-throughs	EWO	Statewide	Multiple	Award adjustments, change orders, etc.	Multiple	STP-BR-OFF	\$ 1,250,000	\$ 1,000,000	\$ 250,000	
	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	
AMENDMENT: Add Project	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
	Planning / Adjustments / Pass-throughs	UPWP19	Statewide	Multiple	Metropolitan Planning	Multiple	PL	\$ 9,825,026	\$ 7,860,021	\$ 1,965,005	
	Planning / Adjustments / Pass-throughs	UPWP19	Statewide	Multiple	Metropolitan Planning	Multiple	SPR	\$ 1,012,803	\$ 810,242	\$ 202,561	
	Planning / Adjustments / Pass-throughs	SPR118	Statewide	Multiple	State Planning and Research Work Program I, (SPR I), Planning	Multiple	SPR	\$ 13,033,371	\$ 10,426,697	\$ 2,606,674	
	Planning / Adjustments / Pass-throughs	SPR218	Statewide	Multiple	State Planning and Research Work Program II, (SPR II), Research	Multiple	RD	\$ 4,500,000	\$ 3,600,000	\$ 900,000	
	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 ►								\$ 139,161,181	\$ 124,398,167	\$ 14,763,014	◄ 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	\$ -		\$ -	
Non-Federal Aid subtotal ►							\$ -		\$ -	◄ 100% Non-Federal

## 2019 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						HSIP				
	Intersection Improvements										
	Intersection Improvements						HSIP				
	Intersection Improvements						HSIP				
	Intersection Improvements						HSIP				
	Intersection Improvements						HSIP				
	Intersection Improvements						HSIP				
	Intersection Improvements						HSIP				
	Intersection Improvements						HSIP				
	Intersection Improvements	608582	Statewide	Multiple	STATEWIDE-VARIOUS SAFETY STRATEGIES TO ADDRESS SHSP - TO BE DETERMINED IN CONSULTATION WITH FHWA IN 2019	Multiple	HSIP	\$ 1,612,203	\$ 1,450,983	\$ 161,220	Construction / Total Project Cost \$4,050,000 / Safety Improvements Program and Intersection Improvements Program
	Intersection Improvements						HSIP				
Intersection Improvements subtotal ►								\$ 2,112,203	\$ 1,850,983	\$ 261,220	◄ Funding Split Varies by Funding Source

### ► Intelligent Transportation Systems

ADJUSTMENT: Change Additional Information	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	\$ 5,180,500	\$ 4,144,400	\$ 1,036,100	Construction/ Total Project Cost = \$6,707,265 AC Year 2 of 2
	Intelligent Transportation Systems	608141	Statewide	Multiple	STATEWIDE - EXPANSION OF ITS EQUIPMENT (CCTV CAMERAS, TRAFFIC SENSORS, AND VMS) FOR HIGHWAY OPERATIONS	Multiple	NHPP	\$ 7,069,500	\$ 5,655,600	\$ 1,413,900	Construction
	Intelligent Transportation Systems	608838	Statewide	Multiple	STATEWIDE - EXPANSION OF HIGHWAY OPERATIONS CENTER INCIDENT DETECTION SYSTEMS	Multiple	NFP	\$ 1,500,000	\$ 1,200,000	\$ 300,000	Construction
Intelligent Transportation System subtotal ►								\$ 13,750,000	\$ 11,000,000	\$ 2,750,000	◄ 80% Federal + 20% Non-Federal

### ► Roadway Reconstruction

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

### ► Section 2C / State Prioritized Expansion Projects

#### ► Bicycles and Pedestrians