

**APPENDIX E – 2016 – 2021 TIP GREENHOUSE GAS MONITORING AND EVALUATION
TRANSIT PROJECTS**

Transit Projects with GHG Emissions Analysis

2017 Regional Project Tracking

FTA Program	Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers Change in Summer CO ₂ Emissions (kilograms/year)*
5307 RTD0004837	BUY REPLACEMENT VAN (5)	Quantified	Quantified Decrease in Emissions from Bus Replacement	2,672.19
5307 RTD0004849	BUY REPLACEMENT <30 FT BUS (2)	Quantified	Quantified Decrease in Emissions from Bus Replacement	247.214
Total Impact (in kilograms/year)				2,919.404

2018 Regional Project Tracking

FTA Program	Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers Change in Summer CO ₂ Emissions (kilograms/year)*
5307 RTD0004851	BUY REPLACEMENT VAN (8)	Quantified	Quantified Decrease in Emissions from Bus Replacement	7,681.68
Total Impact (in kilograms/year)				7,681.68

2019 Regional Project Tracking

FTA Program	Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers Change in Summer CO ₂ Emissions (kilograms/year)*
5307 RTD0004836	BUY REPLACEMENT VAN (8)	Quantified	Quantified Decrease in Emissions from Bus Replacement	5,545.792
5307 RTD0004843	BUY REPLACEMENT 35-FT BUS (3)	Quantified	Quantified Decrease in Emissions from Bus Replacement	1,052.328
Total Impact (in kilograms/year)				6,598.120

*NOTE: GHG Change Numbers Reflect an Actual Reduction in Emissions

2020 Regional Project Tracking

FTA Program	Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers Change in Summer CO ₂ Emissions (kilograms/year)*
5307 RTD0004846	BUY REPLACEMENT VANS (5)	Quantified	Quantified Decrease in Emissions from Bus Replacement	2,116.650
5307 RTD0004844	BUY REPLACEMENT 30-FT BUS (3)	Quantified	Quantified Decrease in Emissions from Bus Replacement	1,052.328
Total Impact (in kilograms/year)				3,168.978

2021 Regional Project Tracking

FTA Program	Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact by the Numbers Change in Summer CO ₂ Emissions (kilograms/year)*
5307 RTD0005114	BUY REPLACEMENT VAN (6)	Quantified	Quantified Decrease in Emissions from Bus Replacement	3,047.976
5307 RTD0005116	BUY REPLACEMENT TROLLEY BUS	Quantified	Quantified Decrease in Emissions from Bus Replacement	127.656
Total Impact (in kilograms/year)				3,175.632

*NOTE: GHG Change Numbers Reflect an Actual Reduction in Emissions

2017 Montachusett MPO Transportation Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0004837	BUY REPLACEMENT VAN (5)	\$295,000	Quantified	2672.19	Quantified Decrease in Emissions from Bus Replacement		5 2005 vans with 2017 vans -534.438 CO2 kg/yr per van	
RTD0004849	BUY REPLACEMENT <30 FT BUS (2)	\$182,500	Quantified	247.214	Quantified Decrease in Emissions from Bus Replacement		2 2003 buses with 2017 buses -123.607 CO2 kg/yr per bus	
RTD0004829	ACQUIRE - MISC SUPPORT EQUIPMENT	\$50,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004832	REHAB/RENOV - PARK & RIDE FACILITY	\$100,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004960	REHAB/RENOVATE - ADMIN/MAINT FACILITY	\$125,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004833	REHAB/RENOVATE - ADMIN/MAINT FACILITY	\$400,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0005100	REHAB/RENOVATE - BUS PARK & RIDE LOT	\$250,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004830	UP TO 50% FEDERAL SHARE	\$4,000,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004963	NON FIXED ROUTE ADA PARA SERV	\$300,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0005411	REHAB/RENOVATE - BUS PARK & RIDE LOT	\$132,000	Qualitative		No assumed impact/negligible impact on emissions			

NOTE: GHG CO₂ Change Numbers Reflect an Actual Reduction in Emissions

2018 Montachusett MPO Transportation Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0004851	BUY REPLACEMENT VAN (8)	\$384,000	Quantified	7681.68	Quantified Decrease in Emissions from Bus Replacement		8 2006 vans with 2018 vans -960.210 CO2 kg/yr per van	
RTD0004841	ACQUIRE - BUS ROUTE SIGNING	\$750,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004842	REHAB/RENOV PED ACCESS / WALKWAYS	\$175,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004961	REHAB/RENOVATE - ADMIN/MAINT FACILITY	\$200,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004964	NON FIXED ROUTE ADA PARA SERV	\$375,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004972	PREVENTIVE MAINTENANCE	\$250,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004831	UP TO 50% FEDERAL SHARE	\$3,000,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004834	ACQUIRE - MISC SUPPORT EQUIPMENT	\$50,000	Qualitative		No assumed impact/negligible impact on emissions			

2019 Montachusett MPO Transportation Improvement Program

MassDOT/FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0004836	BUY REPLACEMENT VAN (8)	\$500,000	Quantified	5545.792	Quantified Decrease in Emissions from Bus Replacement		8 2007 vans with 2019 vans -693.224 CO2 kg/yr per van	
RTD0004843	BUY REPLACEMENT 35-FT BUS (3)	\$1,387,500	Quantified	1052.328	Quantified Decrease in Emissions from Bus Replacement		3 2004 buses with 2020 buses -350.776 CO2 kg/yr per bus	
RTD0004835	ACQUIRE - MISC SUPPORT EQUIPMENT	\$200,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004969	TERMINAL, INTERMODAL (TRANSIT)	\$100,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004973	PREVENTIVE MAINTENANCE	\$375,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004965	NON FIXED ROUTE ADA PARA SERV	\$400,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004840	UP TO 50% FEDERAL SHARE	\$2,560,000	Qualitative		No assumed impact/negligible impact on emissions			

NOTE: GHG CO2 Change Numbers Reflect an Actual Reduction in Emissions

2020 Montachusett MPO Transportation Improvement Program

MassDOT/ FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0004846	BUY REPLACEMENT VANS (5)	\$325,000	Quantified	2116.65	Quantified Decrease in Emissions from Bus Replacement		5 2007 vans with 2020 vans -423.330 CO2 kg/yr per van	
RTD0004844	BUY REPLACEMENT 30-FT BUS (3)	\$1,000,000	Quantified	1052.328	Quantified Decrease in Emissions from Bus Replacement		3 2005 buses with 2021 buses -350.776 CO2 kg/yr per bus	
RTD0004839	PURCHASE BUS SHELTERS	\$100,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004845	UP TO 50% FEDERAL SHARE	\$2,140,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004974	PREVENTIVE MAINTENANCE	\$500,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004966	NON FIXED ROUTE ADA PARA SERV	\$412,500	Qualitative		No assumed impact/negligible impact on emissions			
RTD0005103	ACQUIRE - MISC SUPPORT EQUIPMENT	\$60,000	Quantified		No assumed impact/negligible impact on emissions			

NOTE: GHG CO₂ Change Numbers Reflect an Actual Reduction in Emissions

2021 Montachusett MPO Transportation Improvement Program

MassDOT/ FTA Project ID ▼	MassDOT/FTA Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Total Cost ▼	Additional Information ▼	Fiscal Year of Contract Award (2015 and forward) ▼
RTD0005114	BUY REPLACEMENT VAN (6)	\$406,250	Quantified	3047.976	Quantified Decrease in Emissions from Bus Replacement		6 2008 vans with 2021 vans -507.996 CO2 kg/yr per van	
RTD0005116	BUY REPLACEMENT TROLLEY BUS	\$500,000	Quantified	127.656	Quantified Decrease in Emissions from Bus Replacement		1 1984 buses with 2022 bus 1996 Deisel Bus Emission Factor Used -127.656 CO2 kg/yr per bus	
RTD0004968	TERMINAL, INTERMODAL (TRANSIT)	\$750,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004967	NON FIXED ROUTE ADA PARA SERV	\$412,500	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004970	UP TO 50% FEDERAL SHARE	\$2,140,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0004975	PREVENTIVE MAINTENANCE	\$500,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0005108	ACQUIRE - MISC SUPPORT EQUIPMENT	\$90,000	Qualitative		No assumed impact/negligible impact on emissions			
RTD0005115	REHAB/RENOVATE - ADMIN/MAINT FACILITY	\$500,000	Qualitative		No assumed impact/negligible impact on emissions			

Montachusett MPO Completed Transit Projects GHG

FTA Activity Line Item ▼	Transit Agency ▼	Project Description ▼	Total Cost ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼	Fiscal Year Programmed (2015 and forward) ▼
111203	Montachusett RTA	BUY REPLACEMENT 30-FT BUS (2)	\$825,800	Quantified	849.088	Quantified Decrease in Emissions from Bus Replacement	Funding includes FFY 2015 5307 & Other Non-Federal from FFY 2016 -424.544 kg/yr per bus	2015
111215	Montachusett RTA	BUY REPLACEMENT VAN (5)	\$302,000	Qualitative	1889.915	Qualitative Decrease in Emissions	FFY 2015 5310 Funds -377.983 kg/yr per van	2015
111215	Montachusett RTA	BUY REPLACEMENT VANS (2)	\$115,000	Qualitative	332.626	Qualitative Decrease in Emissions	FFY 2015 5339 Funds -166.313 kg/yr per van	2015
111215	Montachusett RTA	BUY REPLACEMENT VAN (5)	\$287,500	Qualitative	1889.915	Qualitative Decrease in Emissions	FFY 2016 FFY 5307 Funds -377.983 kg/yr per van	2016
111215	Montachusett RTA	BUY REPLACEMENT VANS (8)	\$242,675	Qualitative	5442.96	Qualitative Decrease in Emissions	FFY 2016 Other Non-Federal Funds -680.370 kg/yr per van	2016
111204	Montachusett RTA	BUY REPLACEMENT <30FT BUS	\$62,392	Qualitative	45.168	Quantified Decrease in Emissions from Other Improvements	FFY 2016 Other Non-Federal Funds -45.168 kg/yr per bus	2016

NOTE: GHG CO2 Change Numbers Reflect an Actual Reduction in Emissions

2017 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects						
► HSIP - Highway Safety Improvement Program						
0	No Projects Programmed	\$ -				
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program						
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	\$ 994,860	Quantified		Quantified Decrease in Emissions from Traffic Operational Improvement	See CMAQ figures in FFY 2018.
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► TAP - Transportation Alternatives Program						
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	\$ 120,756	Quantified		Quantified Decrease in Emissions from Traffic Operational Improvement	See CMAQ figures in FFY 2018.
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► Non-CMAQ/HSIP/TAP (Other)						
607252	GARDNER - RESURFACING & RELATED WORK ON MATTHEW STREET	\$ 1,770,588	Qualitative		No assumed impact/negligible impact on emissions	
606435	HUBBARDSTON- RESURFACING AND RELATED WORK ON ROUTE 68, FROM WILLIAMSVILLE ROAD TO THE RUTLAND T.L.	\$ 3,691,750	Qualitative		No assumed impact/negligible impact on emissions	
607321	TEMPLETON - RESURFACING & RELATED WORK ON A SECTION OF ROUTE 68 FROM THE GARDNER CITY LINE TO THE END OF STATE HIGHWAY (2.0 MILES)	\$ 1,828,965	Qualitative		No assumed impact/negligible impact on emissions	
608542	WINCHENDON - RESURFACING & RELATED WORK ON ROUTE 140, FROM TEEL ROAD TO 430 FT. SOUTH OF ROUTE 12 (1.1 MILES)	\$ 850,000	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	
► Section 1B / Federal Aid Bridge Projects						
► STATEWIDE Systematic Maintenance Program						
				Quantified Impact ►	0	
► On System						
				Quantified Impact ►	0	
► Off-System						
608250	ROYALSTON- BRIDGE REPLACEMENT, R-12-001 (B35), STOCKWELL ROAD OVER LAWRENCE BROOK	\$ 862,500	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	

2017 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► STATEWIDE Bridge Inspection Program						
			Quantified Impact ►	0		
► Section 1C / Federal Aid Non-Target Projects						
► Other Federal Aid						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
			Quantified Impact ►	0		
► Section 1D / Federal Aid Major & State Category Projects						
► Regional Major Infrastructure						
			Quantified Impact ►	0		
► STATEWIDE Americans with Disability Act Implementation Plan						
			Quantified Impact ►	0		
► STATEWIDE Congestion Mitigation and Air Quality						
			Quantified Impact ►	0		
► STATEWIDE HSIP Program						
			Quantified Impact ►	0		
► STATEWIDE Infrastructure Program						
			Quantified Impact ►	0		
► STATEWIDE Interstate Maintenance Program						
606575	STERLING- LANCASTER- LEOMINSTER- INTERSTATE MAINTENANCE & RELATED WORK ON I-190	\$ 16,695,300	Qualitative		No assumed impact/negligible impact on emissions	
			Quantified Impact ►	0		
► STATEWIDE Intelligent Transportation Systems						
			Quantified Impact ►	0		
► STATEWIDE National Freight Program						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
			Quantified Impact ►	0		
► STATEWIDE National Highway System Preservation Program						
607475	WINCHENDON- RESURFACING & RELATED WORK ON ROUTE 12, FROM MILL STREET/BEGINNING OF STATE HIGHWAY TO NEW HAMPSHIRE STATE LINE (2.5 MILES)	\$ 1,800,000	Qualitative		No assumed impact/negligible impact on emissions	
			Quantified Impact ►	0		
► STATEWIDE Planning Program						
			Quantified Impact ►	0		
► STATEWIDE Railroad Grade Crossings						
			Quantified Impact ►	0		
► STATEWIDE Safe Routes to Schools Program						
			Quantified Impact ►	0		
► STATEWIDE Stormwater Retrofits						
			Quantified Impact ►	0		
► STATEWIDE Transportation Enhancements						
0	No Projects Programmed	\$ -			N/A	
			Quantified Impact ►	0		
► Other STATEWIDE Items						
			Quantified Impact ►	0		

2017 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 2A / Non-Federal Projects						
► Non Federal Aid						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ►	0	
► Section 2B / Non-Federal Bridge Projects						
► Section 2B / Non-Federal Bridge Projects						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ►	0	
2017 Montachusett MPO GHG Tracking Summary				Total Quantified Impact ▼		
				Quantified Impact ►	0	

2018 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects						
► HSIP - Highway Safety Improvement Program						
608188	GARDNER- LEOMINSTER- STERLING - INTERSECTION IMPROVEMENTS AT 3 LOCATIONS	\$ 728,000	Qualitative		No assumed impact/negligible impact on emissions	Safety Related Improvement
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program						
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	\$ 1,114,889	Quantified	8,827	Quantified Decrease in Emissions from Traffic Operational Improvement	
0	No Projects Programmed	\$ -				
				Quantified Impact ►	8,827	
► TAP - Transportation Alternatives Program						
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	\$ 85,141	Quantified		Quantified Decrease in Emissions from Traffic Operational Improvement	See CMAQ above.
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► Non-CMAQ/HSIP/TAP (Other)						
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	\$ 7,623,485	Quantified		Quantified Decrease in Emissions from Traffic Operational Improvement	See CMAQ above.
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► Section 1B / Federal Aid Bridge Projects						
► STATEWIDE Systematic Maintenance Program						
				Quantified Impact ►	0	
► On System						
603513	GARDNER- BRIDGE REPLACEMENT, G-01-008, PLEASANT STREET OVER THE B&M RAILROAD	\$ 4,404,240	Qualitative		No assumed impact/negligible impact on emissions	
605094	FITCHBURG- BRIDGE REPLACEMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	\$ 4,738,140	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	
► Off-System						
607127	HUBBARDSTON- BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	\$ 1,662,806	Qualitative		No assumed impact/negligible impact on emissions	
608179	ROYALSTON- BRIDGE REPLACEMENT, R-12-009, NORTH FITZWILLIAM ROAD OVER LAWRENCE BROOK	\$ 1,790,755	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	
► STATEWIDE Bridge Inspection Program						
				Quantified Impact ►	0	

2018 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1C / Federal Aid Non-Target Projects						
► Other Federal Aid						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ►	0	
► Section 1D / Federal Aid Major & State Category Projects						
► Regional Major Infrastructure						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ►	0	
► STATEWIDE Americans with Disability Act Implementation Plan						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ►	0	
► STATEWIDE Congestion Mitigation and Air Quality						
				Quantified Impact ►	0	
► STATEWIDE HSIP Program						
				Quantified Impact ►	0	
► STATEWIDE Infrastructure Program						
				Quantified Impact ►	0	
► STATEWIDE Interstate Maintenance Program						
				Quantified Impact ►	0	
► STATEWIDE Intelligent Transportation Systems						
				Quantified Impact ►	0	
► STATEWIDE National Freight Program						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ►	0	
► STATEWIDE National Highway System Preservation Program						
				Quantified Impact ►	0	
► STATEWIDE Planning Program						
				Quantified Impact ►	0	
► STATEWIDE Railroad Grade Crossings						
				Quantified Impact ►	0	
► STATEWIDE Safe Routes to Schools Program						
				Quantified Impact ►	0	

2018 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► STATEWIDE Stormwater Retrofits						
				Quantified Impact ► 0		
► STATEWIDE Transportation Enhancements						
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ► 0		
► Other STATEWIDE Items						
				Quantified Impact ► 0		
► Section 2A / Non-Federal Projects						
► Non Federal Aid						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ► 0		
► Section 2B / Non-Federal Bridge Projects						
► Section 2B / Non-Federal Bridge Projects						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ► 0		
2017 Montachusett MPO GHG Tracking Summary				Total Quantified Impact ▼		
				Quantified Impact ► 8.827		

2019 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A/ Federal Aid Target Projects						
► HSIP - Highway Safety Improvement Program						
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	\$ 445,955	Quantified	138,448	Quantified Decrease in Emissions from Traffic Operational Improvement	
0	No Projects Programmed	\$ -				
				Quantified Impact ►	138,448	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program						
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	\$ 1,114,889	Quantified		Quantified Decrease in Emissions from Traffic Operational Improvement	See HSIP Above.
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► TAP - Transportation Alternatives Program						
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	\$ 85,118	Quantified		Quantified Decrease in Emissions from Traffic Operational Improvement	See HSIP Above.
				Quantified Impact ►	0	
► Non-CMAQ/HSIP/TAP (Other)						
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	\$ 2,464,987	Quantified		Quantified Decrease in Emissions from Traffic Operational Improvement	See HSIP Above.
607770	LUNENBURG- RESURFACING & RELATED WORK ON ROUTE 13 (CHASE ROAD), FROM NORTHFIELD ROAD TO THE TOWNSEND T.L.	\$ 1,765,063	Qualitative		No assumed impact/negligible impact on emissions	
607446	WESTMINSTER- INTERSECTION IMPROVEMENTS, ROUTE 2A AT ROUTE 140	\$ 1,512,000	Qualitative		Qualitative Decrease in Emissions	
604961	CLINTON- RESURFACING & RELATED WORK ON ROUTE 110 (HIGH STREET)	\$ 1,296,000	Qualitative		No assumed impact/negligible impact on emissions	
607604	STERLING- WEST BOYLSTON- IMPROVEMENTS ON ROUTE 140 AT I-190	\$ 810,000	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	

2019 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
▶ Section 1B / Federal Aid Bridge Projects						
▶ STATEWIDE Systematic Maintenance Program						
				Quantified Impact ▶	0	
▶ On System						
608612	ATHOL- BRIDGE REPLACEMENT, A-15-008, CRESCENT STREET OVER MILLERS RIVER	\$ 8,140,880	Qualitative		No assumed impact/negligible impact on emissions	
▶ Off-System						
608259	TOWNSEND- BRIDGE REPLACEMENT, T-07-013, WEST MEADOW ROAD OVER LOCKE BROOK	\$ 2,226,528	Qualitative		No assumed impact/negligible impact on emissions	
608260	ATHOL- BRIDGE REPLACEMENT, A-15-005, WASHINGTON AVE OVER ATHOL POND OUTLET	\$ 2,446,848	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ▶	0	
▶ STATEWIDE Bridge Inspection Program						
				Quantified Impact ▶	0	
▶ Section 1C / Federal Aid Non-Target Projects						
▶ Other Federal Aid						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ▶	0	
▶ Section 1D / Federal Aid Major & State Category Projects						
▶ Regional Major Infrastructure						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
				Quantified Impact ▶	0	
▶ STATEWIDE Americans with Disability Act Implementation Plan						
				Quantified Impact ▶	0	
▶ STATEWIDE Congestion Mitigation and Air Quality						
608193	FITCHBURG- LEOMINSTER- RAIL TRAIL CONSTRUCTION (TWIN CITIES RAIL TRAIL)	\$ 11,178,000	Qualitative	186,768	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	
				Quantified Impact ▶	186,768	
▶ STATEWIDE HSIP Program						
				Quantified Impact ▶	0	
▶ STATEWIDE Infrastructure Program						
				Quantified Impact ▶	0	
▶ STATEWIDE Interstate Maintenance Program						
				Quantified Impact ▶	0	
▶ STATEWIDE Intelligent Transportation Systems						
				Quantified Impact ▶	0	

2019 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► STATEWIDE National Freight Program						
0	No Projects Programmed	\$ -	Quantified Impact ►	0	N/A	
► STATEWIDE National Highway System Preservation Program						
			Quantified Impact ►	0		
► STATEWIDE Planning Program						
			Quantified Impact ►	0		
► STATEWIDE Railroad Grade Crossings						
			Quantified Impact ►	0		
► STATEWIDE Safe Routes to Schools Program						
			Quantified Impact ►	0		
► STATEWIDE Stormwater Retrofits						
608594	LANCASTER - STORMWATER IMPROVEMENTS ALONG ROUTE 2	\$ 370,625	Qualitative		No assumed impact/negligible impact on emissions	
			Quantified Impact ►	0		
► STATEWIDE Transportation Enhancements						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -	Quantified Impact ►	0	N/A	
► Other STATEWIDE Items						
			Quantified Impact ►	0		
► Section 2A / Non-Federal Projects						
► Non Federal Aid						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -	Quantified Impact ►	0	N/A	
► Section 2B / Non-Federal Bridge Projects						
► Section 2B / Non-Federal Bridge Projects						
0	No Projects Programmed	\$ -			N/A	
			Quantified Impact ►	0		
2019 Montachusett MPO GHG Tracking Summary				Total Quantified Impact ▼		
			Quantified Impact ►	325,216		

2020 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects						
► HSIP - Highway Safety Improvement Program						
606420	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	\$ 445,955	Qualitative		No assumed impact/negligible impact on emissions	Further Inf on Type of Improvement Needed to Assess AQ
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program						
606420	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	\$ 1,114,889	Qualitative		No assumed impact/negligible impact on emissions	See HSIP Above
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► TAP - Transportation Alternatives Program						
606420	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	\$ 122,343	Qualitative		No assumed impact/negligible impact on emissions	See HSIP Above
0	No Projects Programmed	\$ -				
				Quantified Impact ►	0	
► Non-CMAQ/HSIP/TAP (Other)						
606420	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	\$ 332,813	Qualitative		No assumed impact/negligible impact on emissions	See HSIP Above
601957	ASHBURNHAM- RESURFACING & RELATED WORK ON ROUTE 101	\$ 5,040,000	Qualitative		No assumed impact/negligible impact on emissions	
607902	AYER- RECLAMATION & RELATED WORK ON ROUTE 2A, FROM HARVARD ROAD TO MAIN STREET	\$ 2,419,200	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	
► Section 1B / Federal Aid Bridge Projects						
► STATEWIDE Systematic Maintenance Program						
				Quantified Impact ►	0	
► On System						
608189	FITCHBURG - BRIDGE REPLACEMENT, F-04-018, ROUTE 12 (WATER STREET) OVER NORTH NASHUA RIVER	\$ 4,793,936	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	
► Off-System						
608639	WESTMINSTER - BRIDGE REPLACEMENT, W-28-010, WHITMANVILLE ROAD OVER WHITMAN RIVER	\$ 2,791,264	Qualitative		No assumed impact/negligible impact on emissions	
				Quantified Impact ►	0	

2020 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► STATEWIDE Bridge Inspection Program						
				Quantified Impact ►	0	
► Section 1C / Federal Aid Non-Target Projects						
► Other Federal Aid						
0	No Projects Programmed	\$ -				N/A
0	No Projects Programmed	\$ -				N/A
				Quantified Impact ►	0	
► Section 1D / Federal Aid Major & State Category Projects						
► Regional Major Infrastructure						
0	No Projects Programmed	\$ -				N/A
0	No Projects Programmed	\$ -				N/A
				Quantified Impact ►	0	
► STATEWIDE Americans with Disability Act Implementation Plan						
0	No Projects Programmed	\$ -				N/A
0	No Projects Programmed	\$ -				N/A
				Quantified Impact ►	0	
► STATEWIDE Congestion Mitigation and Air Quality						
				Quantified Impact ►	0	
► STATEWIDE HSIP Program						
				Quantified Impact ►	0	
► STATEWIDE Infrastructure Program						
				Quantified Impact ►	0	
► STATEWIDE Interstate Maintenance Program						
				Quantified Impact ►	0	
► STATEWIDE Intelligent Transportation Systems						
				Quantified Impact ►	0	
► STATEWIDE National Freight Program						
0	No Projects Programmed	\$ -				N/A
0	No Projects Programmed	\$ -				N/A
				Quantified Impact ►	0	
► STATEWIDE National Highway System Preservation Program						
				Quantified Impact ►	0	
► STATEWIDE Planning Program						
				Quantified Impact ►	0	
► STATEWIDE Railroad Grade Crossings						
				Quantified Impact ►	0	
► STATEWIDE Safe Routes to Schools Program						
				Quantified Impact ►	0	
► STATEWIDE Stormwater Retrofits						
				Quantified Impact ►	0	
► STATEWIDE Transportation Enhancements						
0	No Projects Programmed	\$ -				N/A
0	No Projects Programmed	\$ -				N/A
				Quantified Impact ►	0	

2020 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Other STATEWIDE Items						
				Quantified Impact ► 0		
► Section 2A / Non-Federal Projects						
► Non Federal Aid						
				Quantified Impact ► 0		
► Section 2B / Non-Federal Bridge Projects						
► Section 2B / Non-Federal Bridge Projects						
0	No Projects Programmed	\$ -	-		N/A	
0	No Projects Programmed	\$ -	-		N/A	
				Quantified Impact ► 0		
2020 Montachusett MPO GHG Tracking Summary				Total Quantified Impact ▼		
				Quantified Impact ► 0		

2021 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Section 1A / Federal Aid Target Projects						
► HSIP - Highway Safety Improvement Program						
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	\$ 445,955	Qualitative		No assumed impact/negligible impact on emissions	
0	No Projects Programmed	\$ -				
			Quantified Impact ►	0		
► CMAQ - Congestion Mitigation and Air Quality Improvement Program						
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	\$ 1,114,889	Qualitative		No assumed impact/negligible impact on emissions	See HSIP Above
0	No Projects Programmed	\$ -				
			Quantified Impact ►	0		
► TAP - Transportation Alternatives Program						
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	\$ 310,967	Qualitative		No assumed impact/negligible impact on emissions	See HSIP Above
0	No Projects Programmed	\$ -				
			Quantified Impact ►	0		
► Non-CMAQ/HSIP/TAP (Other)						
604499	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	\$ 7,814,363	Qualitative		No assumed impact/negligible impact on emissions	See HSIP Above
0	No Projects Programmed	\$ -				
			Quantified Impact ►	0		
► Section 1B / Federal Aid Bridge Projects						
► STATEWIDE Systematic Maintenance Program						
			Quantified Impact ►	0		
► On System						
			Quantified Impact ►	0		

2021 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
► Off-System						
608635	SHIRLEY - BRIDGE REPLACEMENT, S-13-005, LONGLEY ROAD OVER MULPUS BROOK	\$ 1,764,940	Qualitative	0	No assumed impact/negligible impact on emissions	
			Quantified Impact ►	0		
► STATEWIDE Bridge Inspection Program						
			Quantified Impact ►	0		
► Section 1C / Federal Aid Non-Target Projects						
► Other Federal Aid						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
			Quantified Impact ►	0		
► Section 1D / Federal Aid Major & State Category Projects						
► Regional Major Infrastructure						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
			Quantified Impact ►	0		
► STATEWIDE Americans with Disability Act Implementation Plan						
			Quantified Impact ►	0		
► STATEWIDE Congestion Mitigation and Air Quality						
607347	GARDNER- BIKE PATH CONSTRUCTION, NORTH CENTRAL PATHWAY (PHASE VI)	\$ 3,000,000	Quantified	476,405	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	
			Quantified Impact ►	476,405		
► STATEWIDE HSIP Program						
			Quantified Impact ►	0		
► STATEWIDE Infrastructure Program						
			Quantified Impact ►	0		
► STATEWIDE Interstate Maintenance Program						
			Quantified Impact ►	0		
► STATEWIDE Intelligent Transportation Systems						
			Quantified Impact ►	0		
► STATEWIDE National Freight Program						
0	No Projects Programmed	\$ -			N/A	
0	No Projects Programmed	\$ -			N/A	
			Quantified Impact ►	0		
► STATEWIDE National Highway System Preservation Program						
			Quantified Impact ►	0		
► STATEWIDE Planning Program						
			Quantified Impact ►	0		
► STATEWIDE Railroad Grade Crossings						
			Quantified Impact ►	0		
► STATEWIDE Safe Routes to Schools Program						
			Quantified Impact ►	0		

2021 Montachusett MPO TIP GHG Tracking

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼
▶ STATEWIDE Stormwater Retrofits						
				Quantified Impact ▶	0	
▶ STATEWIDE Transportation Enhancements						
0	No Projects Programmed	\$ -				N/A
0	No Projects Programmed	\$ -				N/A
				Quantified Impact ▶	0	
▶ Other STATEWIDE Items						
				Quantified Impact ▶	0	
▶ Section 2A / Non-Federal Projects						
▶ Non Federal Aid						
				Quantified Impact ▶	0	
▶ Section 2B / Non-Federal Bridge Projects						
▶ Section 2B / Non-Federal Bridge Projects						
0	No Projects Programmed	\$ -				N/A
0	No Projects Programmed	\$ -				N/A
				Quantified Impact ▶	0	
2021 Montachusett MPO GHG Tracking Summary				Total Quantified Impact ▼		
				Quantified Impact ▶	476,405	

Montachusett MPO Completed Highway Projects GHG

MassDOT Project ID ▼	MassDOT Project Description ▼	Total Programmed Funds ▼	GHG Analysis Type ▼	GHG CO ₂ Impact (kg/yr) ▼	GHG Impact Description ▼	Additional Description ▼	Fiscal Year of Contract Award (2015 and forward) ▼
604699	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	\$ 5,633,000	Quantified	130,027.475	Quantified Decrease in Emissions from Traffic Operational Improvement	To be advertised	2016
604960	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	\$ 4,433,939	Quantified	12,730.300	Quantified Decrease in Emissions from Traffic Operational Improvement	Advetised 11/1/2014; Notice to Proceed 9/1/2015	2016
604439	WINCHENDON- MULTI-USE TRAIL CONSTRUCTION (NORTH CENTRAL PATHWAY - PHASE V) INCLUDES W-39-023, W-39-024 & W-39-028	\$ 1,987,709	Quantified	3,006.700	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	Advetised 6/28/2014; Notice to Proceed 3/12/2015	2015
604928	LEOMINSTER- RECONSTRUCTION OF MECHANIC STREET, FROM LAUREL STREET TO THE LEOMINSTER CONNECTOR	\$ 2,929,315	Quantified	5,080.064	Quantified Decrease in Emissions from Traffic Operational Improvement	Advetised 9/12/2015; Notice to Proceed 3/9/2016	2016
607242	FITCHBURG- SAFE ROUTES TO SCHOOLS (SOUTH STREET ELEMENTARY SCHOOL)	\$ 1,580,298	Qualitative		No assumed impact/negligible impact on emissions	To be advertised	2016
604515	ROYALSTON- BRIDGE REPLACEMENT, R-12-006, NORTH FITZWILLIAM ROAD OVER LAWRENCE BROOK	\$ 1,313,437	Qualitative		No assumed impact/negligible impact on emissions	Advetised 9/7/2013; Notice to Proceed 4/22/2014	2015
604838	WINCHENDON- BRIDGE REPLACEMENT, W-39-001, HARRIS ROAD OVER TARBELL BROOK	\$ 2,129,943	Qualitative		No assumed impact/negligible impact on emissions	Advetised 8/22/2015; Notice to Proceed 3/10/2016	2015
607114	LANCASTER- BRIDGE REPLACEMENT, L-02-018, JACKSON ROAD OVER ROUTE 2	\$ 5,924,599	Qualitative		No assumed impact/negligible impact on emissions	Advetised 9/20/2014; Notice to Proceed 8/6/2015	2015
607419	WESTMINSTER- DECK REPLACEMENT, W-28-023, ROUTE 2A/140 OVER ROUTE 2	\$ 2,672,775	Qualitative		No assumed impact/negligible impact on emissions	Advetised 2/28/2015; Notice to Proceed 8/18/2015	2015
607909	STERLING- BRIDGE JOINTS REPAIRS AND BEAM-END REPAIRS AT 5 BRIDGES ON I-190	\$ 10,021,616	Qualitative		No assumed impact/negligible impact on emissions	Advetised 5/15/2015; Notice to Proceed 9/15/2015	2015

2017 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1A / Federal Aid Target Projects										
► HSIP - Highway Safety Improvement Program										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
						HSIP Subtotal ►	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► CMAQ - Congestion Mitigation and Air Quality Improvement Program										
	606124	Montachusett	Multiple	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	CMAQ	\$ 994,860	\$ 795,888	\$ 198,972	CMAQ/TAP; Total Cost = \$9,939,131 Non-Adjusted for YOE; Non Adjusted Total Cost = \$9,939,131 as of 6/20/16; 75% returned (12/23/14); Public Hearing 7/22/15; TEC 50 of 100; Not HSIP Eligible; Construction; AC Yr 1 of 2; AC Yr 2 Cost = \$8,823,515;
				No Projects Programmed			\$ -	\$ -	\$ -	
						CMAQ Subtotal ►	\$ 994,860	\$ 795,888	\$ 198,972	◀ 80% Federal + 20% Non-Federal
► TAP - Transportation Alternatives Program										
	606124	Montachusett	Multiple	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	TAP	\$ 120,756	\$ 96,605	\$ 24,151	CMAQ/TAP; Total Cost = \$9,939,131 Non-Adjusted for YOE; Non Adjusted Total Cost = \$9,939,131 as of 6/20/16; 75% returned (12/23/14); Public Hearing 7/22/15; TEC 50 of 100; Not HSIP Eligible; Construction; AC Yr 1 of 2; AC Yr 2 Cost = \$8,823,515;
				No Projects Programmed			\$ -	\$ -	\$ -	
						TAP Subtotal ►	\$ 120,756	\$ 96,605	\$ 24,151	◀ 80% Federal + 20% Non-Federal
► Non-CMAQ/HSIP/TAP (Other)										
	607252	Montachusett	Gardner	GARDNER - RESURFACING & RELATED WORK ON MATTHEW STREET	3	STP	\$ 1,770,588	\$ 1,416,470	\$ 354,118	100% design received; city to design; Total Cost = \$1,770,588; Not Adjusted for YOE; Non Adjusted Total Est Cost = \$1,770,588 as of 6/7/16; TEC 35 of 100; Construction;
	606435	Montachusett	Hubbardston	HUBBARDSTON- RESURFACING AND RELATED WORK ON ROUTE 68, FROM WILLIAMSVILLE ROAD TO THE RUTLAND T.L.	3	STP	\$ 3,691,750	\$ 2,953,400	\$ 738,350	75% Received 1/6/15; Total Cost = \$3,691,750 Non-Adjusted for YOE; Non Adjusted Total Cost = \$3,691,750 (as of 6/3/15); Construction; TEC 43 of 100; Possible Redistribution Fund Project in 2015; Originally FY 2018 - Moved Due to Fiscal Constraint Issues
	607321	Montachusett	Templeton	TEMPLETON - RESURFACING & RELATED WORK ON A SECTION OF ROUTE 68 FROM THE GARDNER CITY LINE TO THE END OF STATE HIGHWAY (2.0 MILES)	2	STP	\$ 1,828,965	\$ 1,463,172	\$ 365,793	75% Returned 5/26/15; Total Cost = \$1,828,965 Not Adjusted for YOE; Non Adjusted Total Cost = \$1,828,965 (as of 4/13/16); TEC 29 of 100; Construction;
	608542	Montachusett	Winchendon	WINCHENDON - RESURFACING & RELATED WORK ON ROUTE 140, FROM TEEL ROAD TO 430 FT. SOUTH OF ROUTE 12 (1.1 MILES)	2	STP	\$ 850,000	\$ 680,000	\$ 170,000	Prelim Design; 75% Ready Soon after PRC approval; MassDOT D2 to design; Total Cost = \$850,000 Not Adjusted for YOE; Non Adjusted Total Est Cost = \$850,000 as of 5/25/16; TEC TBD of 100; Construction;
						Non-CMAQ/HSIP/TAP (Other) Subtotal ►	\$ 8,141,303	\$ 6,513,042	\$ 1,628,261	◀ 80% Federal + 20% Non-Federal
► Section 1A / Fiscal Constraint Analysis										
						Total Federal Aid Target Funds Programmed ►	\$ 9,256,919	\$ 9,256,919	\$ -	Total Target
						Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 8,141,303	\$ 7,296,597	\$ (844,706)	Max. Non-CMAQ/HSIP/TAP
						Total HSIP Programmed ►	\$ -	\$ 445,955	\$ 445,955	Min. HSIP
						Total CMAQ Programmed ►	\$ 994,860	\$ 1,393,611	\$ 398,751	Min. CMAQ
						Total TAP Programmed ►	\$ 120,756	\$ 120,756	\$ -	Min. TAP
						Remaining HSIP, CMAQ, and TAP Funds	\$ 844,706			

2017 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1B / Federal Aid Bridge Projects										
► STATEWIDE Systematic Maintenance Program										
STATEWIDE Bridge Maintenance Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► On System										
On System Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Off-System										
	607529	Montachusett	Winchendon	WINCHENDON- BRIDGE REPLACEMENT, W-39-015, NORTH ROYALSTON ROAD OVER TARBELL BROOK	2	STP-BR-OFF	\$ 2,017,260	\$ 1,613,808	\$ 403,452	
	608250	Montachusett	Royalston	ROYALSTON- BRIDGE REPLACEMENT, R-12-001 (B35), STOCKWELL ROAD OVER LAWRENCE BROOK	2	STP-BR-OFF	\$ 862,500	\$ 690,000	\$ 172,500	
Off-System Subtotal ►							\$ 2,879,760	\$ 2,303,808	\$ 575,952	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Bridge Inspection Program										
STATEWIDE Bridge Inspection Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects										
► Other Federal Aid										
No Projects Programmed							\$ -	\$ -	\$ -	
No Projects Programmed							\$ -	\$ -	\$ -	
Other Federal Aid Subtotal ►							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects										
► Regional Major Infrastructure										
Regional Major Infrastructure Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Americans with Disability Act Implementation Plan										
STATEWIDE ADA Implementation Plan Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Congestion Mitigation and Air Quality										
STATEWIDE CMAQ Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE HSIP Program										
STATEWIDE HSIP Program Subtotal ►							\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► STATEWIDE Infrastructure Program										
STATEWIDE Infrastructure Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Interstate Maintenance Program										
	606575	Montachusett	Multiple	STERLING- LANCASTER- LEOMINSTER- INTERSTATE MAINTENANCE & RELATED WORK ON I-190	3	NHPP	\$ 16,695,300	\$ 15,025,770	\$ 1,669,530	
STATEWIDE Interstate Maintenance Program Subtotal ►							\$ 16,695,300	\$ 15,025,770	\$ 1,669,530	◀ 90% Federal + 10% Non-Federal
► STATEWIDE Intelligent Transportation Systems										
STATEWIDE ITS Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal

2017 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► STATEWIDE National Freight Program										
				No Projects Programmed			\$ -	\$ -	\$ -	
				No Projects Programmed			\$ -	\$ -	\$ -	
STATEWIDE National Freight Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE National Highway System Preservation Program										
	607475	Montachusett	Winchendon	WINCHENDON- RESURFACING & RELATED WORK ON ROUTE 12, FROM MILL STREET/BEGINNING OF STATE HIGHWAY TO NEW HAMPSHIRE STATE LINE (2.5 MILES)	2	NHPP	\$ 1,800,000	\$ 1,440,000	\$ 360,000	
STATEWIDE NHS Preservation Program Subtotal ►							\$ 1,800,000	\$ 1,440,000	\$ 360,000	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Planning Program										
STATEWIDE Planning Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Railroad Grade Crossings										
STATEWIDE RR Grade Crossings Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Safe Routes to Schools Program										
STATEWIDE Safe Routes to Schools Program Subtotal ►							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► STATEWIDE Stormwater Retrofits										
STATEWIDE Stormwater Retrofits Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Transportation Enhancements										
				No Projects Programmed		STP-TE	\$ -	\$ -	\$ -	
STATEWIDE Transportation Enhancements Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Other STATEWIDE Items										
Other STATEWIDE Items Subtotal ►							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects										
► Non Federal Aid										
				No Projects Programmed		NFA	\$ -	\$ -	\$ -	
				No Projects Programmed		NFA	\$ -	\$ -	\$ -	
Non-Federal Aid Subtotal ►							\$ -	\$ -	\$ -	◀ 100% Non-Federal
► Section 2B / Non-Federal Bridge Projects										
► Section 2B / Non-Federal Bridge Projects										
				No Projects Programmed		NFA	\$ -	\$ -	\$ -	
				No Projects Programmed		NFA	\$ -	\$ -	\$ -	
Section 2B / Non-Federal Bridge Projects Subtotal ►							\$ -	\$ -	\$ -	◀ 100% Non-Federal

2017 Montachusett MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 30,631,979	\$ -	\$ 30,631,979	◀ Total Spending in Region
Federal Funds ►	\$ 26,175,113	\$ -	\$ 26,175,113	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 4,456,866	\$ -	\$ 4,456,866	◀ 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 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	MassDOT District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
	608188	Montachusett	Multiple	GARDNER- LEOMINSTER- STERLING - INTERSECTION IMPROVEMENTS AT 3 LOCATIONS	3	HSIP	\$ 728,000	\$ 655,200	\$ 72,800	HSIP; Total Cost = \$728,000 Adjusted for YOE by 4%; Non Adjusted Total Cost = \$700,000 (as of 6/10/16); Preliminary Design; Construction; TEC 44 of 100; Funded HSIP; as of 1/22/16	
				No Projects Programmed			\$ -	\$ -	\$ -		
				HSIP Subtotal ►			\$ 728,000	\$ 655,200	\$ 72,800	◀ 90% Federal + 10% Non-Federal	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	606124	Montachusett	Multiple	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	CMAQ	\$ 1,114,889	\$ 891,911	\$ 222,978	STP/CMAQ/TAP; Total Cost = \$9,939,131 Non-Adjusted for YOE; Non Adjusted Total Cost = \$9,939,131 as of 6/20/16; 75% returned (12/23/14); Public Hearing 7/22/15; TEC 50 of 100; Not HSIP Eligible; Construction; AC Yr 2 of 2; AC Yr 1 Cost = \$1,115,616;	
				No Projects Programmed			\$ -	\$ -	\$ -		
				CMAQ Subtotal ►			\$ 1,114,889	\$ 891,911	\$ 222,978	◀ 80% Federal + 20% Non-Federal	
► TAP - Transportation Alternatives Program											
	606124	Montachusett	Multiple	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	TAP	\$ 85,141	\$ 68,113	\$ 17,028	STP/CMAQ/TAP; Total Cost = \$9,939,131 Non-Adjusted for YOE; Non Adjusted Total Cost = \$9,939,131 as of 6/20/16; 75% returned (12/23/14); Public Hearing 7/22/15; TEC 50 of 100; Not HSIP Eligible; Construction; AC Yr 2 of 2; AC Yr 1 Cost = \$1,115,616;	
				No Projects Programmed			\$ -	\$ -	\$ -		
				TAP Subtotal ►			\$ 85,141	\$ 68,113	\$ 17,028	◀ 80% Federal + 20% Non-Federal	
► Non-CMAQ/HSIP/TAP (Other)											
	606124	Montachusett	Multiple	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	STP	\$ 7,623,485	\$ 6,098,788	\$ 1,524,697	STP/CMAQ/TAP; Total Cost = \$9,939,131 Non-Adjusted for YOE; Non Adjusted Total Cost = \$9,939,131 as of 6/20/16; 75% returned (12/23/14); Public Hearing 7/22/15; TEC 50 of 100; Not HSIP Eligible; Construction; AC Yr 2 of 2; AC Yr 1 Cost = \$1,115,616;	
				No Projects Programmed			\$ -	\$ -	\$ -		
				Non-CMAQ/HSIP/TAP (Other) Subtotal ►			\$ 7,623,485	\$ 6,098,788	\$ 1,524,697	◀ 80% Federal + 20% Non-Federal	
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►							\$ 9,551,515	\$ 9,613,684	◀ Total Target	\$ 62,169	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►							\$ 7,623,485	\$ 7,967,699	◀ Max. Non-CMAQ/HSIP/TAP Available	\$ 62,169	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ►							\$ 728,000	\$ 445,955	◀ Min. HSIP	\$ (282,045)	HSIP Recommended Met
Total CMAQ Programmed ►							\$ 1,114,889	\$ 1,114,889	◀ Min. CMAQ	\$ -	CMAQ Recommended Met
Total TAP Programmed ►							\$ 85,141	\$ 85,141	◀ Min. TAP	\$ -	TAP Recommended Met
HSIP, CMAQ, TAP Overprogrammed							\$ (282,045)				

2018 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1B / Federal Aid Bridge Projects											
► STATEWIDE Systematic Maintenance Program											
							STATEWIDE Bridge Maintenance Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► On System											
	603513	Montachusett	Gardner	GARDNER- BRIDGE REPLACEMENT, G-01-008, PLEASANT STREET OVER THE B&M RAILROAD	3	NHPP	\$ 4,404,240	\$ 3,523,392	\$ 880,848		
	605094	Montachusett	Fitchburg	FITCHBURG- BRIDGE REPLACEMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	3	NHPP	\$ 4,738,140	\$ 3,790,512	\$ 947,628		
							On System Subtotal ►	\$ 9,142,380	\$ 7,313,904	\$ 1,828,476	◀ 80% Federal + 20% Non-Federal
► Off-System											
	607127	Montachusett	Hubbardston	HUBBARDSTON- BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	3	STP-BR-OFF	\$ 1,662,806	\$ 1,330,245	\$ 332,561		
	608179	Montachusett	Royalston	ROYALSTON- BRIDGE REPLACEMENT, R-12-009, NORTH FITZWILLIAM ROAD OVER LAWRENCE BROOK	2	STP-BR-OFF	\$ 1,790,755	\$ 1,432,604	\$ 358,151		
							Off-System Subtotal ►	\$ 3,453,561	\$ 2,762,849	\$ 690,712	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Bridge Inspection Program											
							STATEWIDE Bridge Inspection Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects											
► Other Federal Aid											
							No Projects Programmed	\$ -	\$ -	\$ -	
							No Projects Programmed	\$ -	\$ -	\$ -	
							Other Federal Aid Subtotal ►	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects											
► Regional Major Infrastructure											
							No Projects Programmed	\$ -	\$ -	\$ -	
							No Projects Programmed	\$ -	\$ -	\$ -	
							Regional Major Infrastructure Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Americans with Disability Act Implementation Plan											
							No Projects Programmed	\$ -	\$ -	\$ -	
							No Projects Programmed	\$ -	\$ -	\$ -	
							STATEWIDE ADA Implementation Plan Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Congestion Mitigation and Air Quality											
							STATEWIDE CMAQ Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE HSIP Program											
							STATEWIDE HSIP Program Subtotal ►	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► STATEWIDE Infrastructure Program											
							STATEWIDE Infrastructure Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Interstate Maintenance Program											
							STATEWIDE Interstate Maintenance Program Subtotal ►	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal

2018 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► STATEWIDE Intelligent Transportation Systems											
							STATEWIDE ITS Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE National Freight Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE National Freight Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE National Highway System Preservation Program											
							STATEWIDE NHS Preservation Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Planning Program											
							STATEWIDE Planning Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Railroad Grade Crossings											
							STATEWIDE RR Grade Crossings Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Safe Routes to Schools Program											
							STATEWIDE Safe Routes to Schools Program Subtotal ►	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► STATEWIDE Stormwater Retrofits											
							STATEWIDE Stormwater Retrofits Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Transportation Enhancements											
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE Transportation Enhancements Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Other STATEWIDE Items											
							Other STATEWIDE Items Subtotal ►	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects											
► Non Federal Aid											
				No Projects Programmed		NFA	\$ -		\$ -		
				No Projects Programmed		NFA	\$ -		\$ -		
							Non-Federal Aid Subtotal ►	\$ -	\$ -	◀ 100% Non-Federal	
► Section 2B / Non-Federal Bridge Projects											
► Section 2B / Non-Federal Bridge Projects											
				No Projects Programmed		NFA	\$ -		\$ -		
				No Projects Programmed		NFA	\$ -		\$ -		
							Section 2B / Non-Federal Bridge Projects Subtotal ►	\$ -	\$ -	◀ 100% Non-Federal	

2018 Montachusett MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►	\$ 22,147,456	\$ -	\$ 22,147,456	◀ Total Spending in Region
Federal Funds ►	\$ 17,790,765	\$ -	\$ 17,790,765	◀ Total Federal Spending in Region
Non-Federal Funds ►	\$ 4,356,691	\$ -	\$ 4,356,691	◀ Total Non-Federal Spending in Region

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

2019 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
	605651	Montachusett	Leominster	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	HSIP	\$ 445,955	\$ 401,360	\$ 44,596	HSIP/CMAQ/TAP/STP; Total Cost = \$4,110,949 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$3,806,434 (as of 4/13/16); Construction; TEC 64 of 100; 25% Design; Cost includes utilities; AQ analysis shows positive impact	
				No Projects Programmed			\$ -	\$ -	\$ -		
				HSIP Subtotal ►			\$ 445,955	\$ 401,360	\$ 44,596	◀ 90% Federal + 10% Non-Federal	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	605651	Montachusett	Leominster	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	CMAQ	\$ 1,114,889	\$ 891,911	\$ 222,978	HSIP/CMAQ/TAP/STP; Total Cost = \$4,110,949 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$3,806,434 (as of 4/13/16); Construction; TEC 64 of 100; 25% Design; Cost includes utilities; AQ analysis shows positive impact	
				No Projects Programmed			\$ -	\$ -	\$ -		
				CMAQ Subtotal ►			\$ 1,114,889	\$ 891,911	\$ 222,978	◀ 80% Federal + 20% Non-Federal	
► TAP - Transportation Alternatives Program											
	605651	Montachusett	Leominster	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	TAP	\$ 85,118	\$ 68,094	\$ 17,024	HSIP/CMAQ/TAP/STP; Total Cost = \$4,110,949 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$3,806,434 (as of 4/13/16); Construction; TEC 64 of 100; 25% Design; Cost includes utilities; AQ analysis shows positive impact	
				TAP Subtotal ►			\$ 85,118	\$ 68,094	\$ 17,024	◀ 80% Federal + 20% Non-Federal	
► Non-CMAQ/HSIP/TAP (Other)											
	605651	Montachusett	Leominster	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	STP	\$ 2,464,987	\$ 1,971,990	\$ 492,997	HSIP/CMAQ/TAP/STP; Total Cost = \$4,110,949 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$3,806,434 (as of 4/13/16); Construction; TEC 64 of 100; 25% Design; Cost includes utilities; AQ analysis shows positive impact	
	607770	Montachusett	Lunenburg	LUNENBURG- RESURFACING & RELATED WORK ON ROUTE 13 (CHASE ROAD), FROM NORTHFIELD ROAD TO THE TOWNSEND T.L.	3	STP	\$ 1,765,063	\$ 1,412,050	\$ 353,013	Total Cost = \$1,765,063 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$1,634,318 as of 6/7/16; Preliminary Design; PRC Approved 4/7/2014; Construction; TEC 35 of 100;	
	607446	Montachusett	Westminster	WESTMINSTER- INTERSECTION IMPROVEMENTS, ROUTE 2A AT ROUTE 140	3	STP	\$ 1,512,000	\$ 1,209,600	\$ 302,400	Total Cost = \$1,512,000 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$1,400,000 (as of 6/7/16); Prelim Design; Est Const - Summer 2019; Consultant Design; Construction; TEC 43 of 100;	
	604961	Montachusett	Clinton	CLINTON- RESURFACING & RELATED WORK ON ROUTE 110 (HIGH STREET)	3	STP	\$ 1,296,000	\$ 1,036,800	\$ 259,200	Total Cost = \$1,296,000 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$1,200,000 as of 4/28/16; Preliminary Design; Construction; TEC 36 of 100.	
	607604	Montachusett	Multiple	STERLING- WEST BOYLSTON- IMPROVEMENTS ON ROUTE 140 AT I-190	3	STP	\$ 810,000	\$ 648,000	\$ 162,000	STP; Total Cost = \$810,000 Adjusted for YOE by 8%; Non Adjusted Total Cost = \$750,000 (as of 4/10/15); Prelim Design; Consultant Design; TEC 29 of 100; Construction;	
				Non-CMAQ/HSIP/TAP (Other) Subtotal ►			\$ 7,848,050	\$ 6,278,440	\$ 1,569,610	◀ 80% Federal + 20% Non-Federal	
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►							\$ 9,494,012	\$ 9,613,684	◀ Total Target	\$ 119,672	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►							\$ 7,848,050	\$ 7,967,722	◀ Max. Non-CMAQ/HSIP/TAP	\$ 119,672	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ►							\$ 445,955	\$ 445,955	◀ Min. HSIP	\$ -	HSIP Recommended Met
Total CMAQ Programmed ►							\$ 1,114,889	\$ 1,114,889	◀ Min. CMAQ	\$ -	CMAQ Recommended Met
Total TAP Programmed ►							\$ 85,118	\$ 85,118	◀ Min. TAP	\$ -	TAP Recommended Met
Remaining HSIP, CMAQ, and TAP Funds \$											

2019 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1B / Federal Aid Bridge Projects										
► STATEWISE Systematic Maintenance Program										
STATEWISE Bridge Maintenance Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► On System										
	608612	Montachusett	Athol	ATHOL- BRIDGE REPLACEMENT, A-15-008, CRESCENT STREET OVER MILLERS RIVER	2	NHPP	\$ 8,140,880	\$ 6,512,704	\$ 1,628,176	
On System Subtotal ►							\$ 8,140,880	\$ 6,512,704	\$ 1,628,176	◀ 80% Federal + 20% Non-Federal
► Off-System										
	608259	Montachusett	Townsend	TOWNSEND- BRIDGE REPLACEMENT, T-07-013, WEST MEADOW ROAD OVER LOCKE BROOK	3	STP-BR-OFF	\$ 2,226,528	\$ 1,781,222	\$ 445,306	
	608260	Montachusett	Athol	ATHOL- BRIDGE REPLACEMENT, A-15-005, WASHINGTON AVE OVER ATHOL POND OUTLET	2	STP-BR-OFF	\$ 2,446,848	\$ 1,957,478	\$ 489,370	
Off-System Subtotal ►							\$ 4,673,376	\$ 3,738,701	\$ 934,675	◀ 80% Federal + 20% Non-Federal
► STATEWISE Bridge Inspection Program										
STATEWISE Bridge Inspection Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects										
► Other Federal Aid										
							\$ -	\$ -	\$ -	
							\$ -	\$ -	\$ -	
Other Federal Aid Subtotal ►							\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects										
► Regional Major Infrastructure										
							\$ -	\$ -	\$ -	
							\$ -	\$ -	\$ -	
Regional Major Infrastructure Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWISE Americans with Disability Act Implementation Plan										
STATEWISE ADA Implementation Plan Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWISE Congestion Mitigation and Air Quality										
	608193	Montachusett	Multiple	FITCHBURG- LEOMINSTER- RAIL TRAIL CONSTRUCTION (TWIN CITIES RAIL TRAIL)	3	CMAQ	\$ 11,178,000	\$ 8,942,400	\$ 2,235,600	
STATEWISE CMAQ Subtotal ►							\$ 11,178,000	\$ 8,942,400	\$ 2,235,600	◀ 80% Federal + 20% Non-Federal
► STATEWISE HSIP Program										
STATEWISE HSIP Program Subtotal ►							\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► STATEWISE Infrastructure Program										
STATEWISE Infrastructure Program Subtotal ►							\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWISE Interstate Maintenance Program										
STATEWISE Interstate Maintenance Program Subtotal ►							\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal

2019 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
▶ STATEWIDE Intelligent Transportation Systems											
							STATEWIDE ITS Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE National Freight Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE National Freight Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE National Highway System Preservation Program											
							STATEWIDE NHS Preservation Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Planning Program											
							STATEWIDE Planning Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Railroad Grade Crossings											
							STATEWIDE RR Grade Crossings Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Safe Routes to Schools Program											
							STATEWIDE Safe Routes to Schools Program Subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ STATEWIDE Stormwater Retrofits											
	608594	Montachusett	Lancaster	LANCASTER - STORMWATER IMPROVEMENTS ALONG ROUTE 2	3	STP-TE	\$ 370,625	\$ 296,500	\$ 74,125		
							STATEWIDE Stormwater Retrofits Subtotal ▶	\$ 370,625	\$ 296,500	\$ 74,125	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Transportation Enhancements											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE Transportation Enhancements Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Other STATEWIDE Items											
							Other STATEWIDE Items Subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Section 2A / Non-Federal Projects											
▶ Non Federal Aid											
				No Projects Programmed		NFA	\$ -	\$ -	\$ -		
				No Projects Programmed		NFA	\$ -	\$ -	\$ -		
							Non-Federal Aid Subtotal ▶	\$ -	\$ -	\$ -	◀ 100% Non-Federal
▶ Section 2B / Non-Federal Bridge Projects											
▶ Section 2B / Non-Federal Bridge Projects											
				No Projects Programmed		NFA	\$ -	\$ -	\$ -		
							Section 2B / Non-Federal Bridge Projects Subtotal ▶	\$ -	\$ -	\$ -	◀ 100% Non-Federal

2019 Montachusett MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 33,856,893	\$ -	\$ 33,856,893	◀ Total Spending in Region
Federal Funds ▶	\$ 27,130,110	\$ -	\$ 27,130,110	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 6,726,783	\$ -	\$ 6,726,783	◀ 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>

2020 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
	606420	Montachusett	Fitchburg	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	3	HSIP	\$ 445,955	\$ 401,360	\$ 44,596	HSIP/CMAQ/TAP/STP; Total Cost = \$2,016,000 Adjusted for YOE by 12%; Non Adjusted Total Cost = \$1,800,000 (as of 4/10/13); Highway Reconstruction/Restoration & Rehab; Prelim Design; TEC 44 of 100; Construction;	
				No Projects Programmed			\$ -	\$ -	\$ -		
				HSIP Subtotal ►			\$ 445,955	\$ 401,360	\$ 44,596	◀ 90% Federal + 10% Non-Federal	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	606420	Montachusett	Fitchburg	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	3	CMAQ	\$ 1,114,889	\$ 891,911	\$ 222,978	HSIP/CMAQ/TAP/STP; Total Cost = \$2,016,000 Adjusted for YOE by 12%; Non Adjusted Total Cost = \$1,800,000 (as of 4/10/13); Highway Reconstruction/Restoration & Rehab; Prelim Design; TEC 44 of 100; Construction;	
				No Projects Programmed			\$ -	\$ -	\$ -		
				CMAQ Subtotal ►			\$ 1,114,889	\$ 891,911	\$ 222,978	◀ 80% Federal + 20% Non-Federal	
► TAP - Transportation Alternatives Program											
	606420	Montachusett	Fitchburg	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	3	TAP	\$ 122,343	\$ 97,874	\$ 24,469	HSIP/CMAQ/TAP/STP; Total Cost = \$2,016,000 Adjusted for YOE by 12%; Non Adjusted Total Cost = \$1,800,000 (as of 4/10/13); Highway Reconstruction/Restoration & Rehab; Prelim Design; TEC 44 of 100; Construction;	
				No Projects Programmed			\$ -	\$ -	\$ -		
				TAP Subtotal ►			\$ 122,343	\$ 97,874	\$ 24,469	◀ 80% Federal + 20% Non-Federal	
► Non-CMAQ/HSIP/TAP (Other)											
	606420	Montachusett	Fitchburg	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	3	STP	\$ 332,813	\$ 266,250	\$ 66,563	HSIP/CMAQ/TAP/STP; Total Cost = \$2,016,000 Adjusted for YOE by 12%; Non Adjusted Total Cost = \$1,800,000 (as of 4/10/13); Highway Reconstruction/Restoration & Rehab; Prelim Design; TEC 44 of 100; Construction;	
	601957	Montachusett	Ashburnham	ASHBURNHAM- RESURFACING & RELATED WORK ON ROUTE 101	3	STP	\$ 5,040,000	\$ 4,032,000	\$ 1,008,000	Total Cost = \$5,040,000 Adjusted for YOE by 12%; Non Adjusted Total Cost = \$4,500,000 as of 4/13/16; Preliminary design; drainage not included w/new sidewalk; better estimate \$4,500,000 (as of 4/10/13); TEC 30 of 100; Prelim Design; Construction;	
	607902	Montachusett	Ayer	AYER- RECLAMATION & RELATED WORK ON ROUTE 2A, FROM HARVARD ROAD TO MAIN STREET	3	STP	\$ 2,419,200	\$ 1,935,360	\$ 483,840	Total Cost = \$2,419,200 Adjusted for YOE by 12%; Non Adjusted Total Cost = \$2,160,000 as of 5/23/16; Preliminary Design; PRC Approved 8/1/2014; Construction; TEC 41 of 100;	
				Non-CMAQ/HSIP/TAP (Other) Subtotal ►			\$ 7,792,013	\$ 6,233,610	\$ 1,558,403	◀ 80% Federal + 20% Non-Federal	
► Section 1A / Fiscal Constraint Analysis											
Total Federal Aid Target Funds Programmed ►							\$ 9,475,200	\$ 9,841,355	◀ Total Target	\$ 366,155	Target Funds Available
Total Non-CMAQ/HSIP/TAP (Other) Programmed ►							\$ 7,792,013	\$ 8,158,168	◀ Max. Non-CMAQ/HSIP/TAP	\$ 366,155	Non-CMAQ/HSIP/TAP (Other) Available
Total HSIP Programmed ►							\$ 445,955	\$ 445,955	◀ Min. HSIP	\$ -	HSIP Recommended Met
Total CMAQ Programmed ►							\$ 1,114,889	\$ 1,114,889	◀ Min. CMAQ	\$ -	CMAQ Recommended Met
Total TAP Programmed ►							\$ 122,343	\$ 122,343	◀ Min. TAP	\$ -	TAP Recommended Met
Remaining HSIP, CMAQ, and TAP Funds \$							-	-			

2020 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1B / Federal Aid Bridge Projects											
► STATEWIDE Systematic Maintenance Program											
							STATEWIDE Bridge Maintenance Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► On System											
	608189	Montachusett	Fitchburg	FITCHBURG - BRIDGE REPLACEMENT, F-04-018, ROUTE 12 (WATER STREET) OVER NORTH NASHUA RIVER	3	NHPP	\$ 4,793,936	\$ 3,835,149	\$ 958,787		
							On System Subtotal ►	\$ 4,793,936	\$ 3,835,149	\$ 958,787	◀ 80% Federal + 20% Non-Federal
► Off-System											
	608639	Montachusett	Westminster	WESTMINSTER - BRIDGE REPLACEMENT, W-28-010, WHITMANVILLE ROAD OVER WHITMAN RIVER	D3	STP-BR-OFF	\$ 2,791,264	\$ 2,233,011	\$ 558,253		
							Off-System Subtotal ►	\$ 2,791,264	\$ 2,233,011	\$ 558,253	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Bridge Inspection Program											
							STATEWIDE Bridge Inspection Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects											
► Other Federal Aid											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							Other Federal Aid Subtotal ►	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects											
► Regional Major Infrastructure											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							Regional Major Infrastructure Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Americans with Disability Act Implementation Plan											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE ADA Implementation Plan Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Congestion Mitigation and Air Quality											
							STATEWIDE CMAQ Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE HSIP Program											
							STATEWIDE HSIP Program Subtotal ►	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► STATEWIDE Infrastructure Program											
							STATEWIDE Infrastructure Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Interstate Maintenance Program											
							STATEWIDE Interstate Maintenance Program Subtotal ►	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal

2020 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
▶ STATEWIDE Intelligent Transportation Systems											
							STATEWIDE ITS Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE National Freight Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE National Freight Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE National Highway System Preservation Program											
							STATEWIDE NHS Preservation Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Planning Program											
							STATEWIDE Planning Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Railroad Grade Crossings											
							STATEWIDE RR Grade Crossings Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Safe Routes to Schools Program											
							STATEWIDE Safe Routes to Schools Program Subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ STATEWIDE Stormwater Retrofits											
							STATEWIDE Stormwater Retrofits Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Transportation Enhancements											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE Transportation Enhancements Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Other STATEWIDE Items											
							Other STATEWIDE Items Subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Section 2A / Non-Federal Projects											
▶ Non Federal Aid											
							Non-Federal Aid Subtotal ▶	\$ -	\$ -	\$ -	◀ 100% Non-Federal
▶ Section 2B / Non-Federal Bridge Projects											
▶ Section 2B / Non-Federal Bridge Projects											
				No Projects Programmed		NFA	\$ -	\$ -	\$ -		
				No Projects Programmed		NFA	\$ -	\$ -	\$ -		
							Section 2B / Non-Federal Bridge Projects Subtotal ▶	\$ -	\$ -	\$ -	◀ 100% Non-Federal

2020 Montachusett MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 17,060,400	\$ -	\$ 17,060,400	◀ Total Spending in Region
Federal Funds ▶	\$ 13,692,916	\$ -	\$ 13,692,916	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 3,367,485	\$ -	\$ 3,367,485	◀ 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>

2021 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1A / Federal Aid Target Projects											
► HSIP - Highway Safety Improvement Program											
	604499	Montachusett	Leominster	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	HSIP	\$ 445,955	\$ 401,360	\$ 44,596	STP/HSIP/TAP/CMAQ Possible; Total Cost = \$9,686,174 Adjusted for YOE by 16%; Non Adjusted Total Cost = \$8,350,150 as of 4/13/16; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 37 of 100.	
				No Projects Programmed			\$ -	\$ -	\$ -		
						HSIP Subtotal ►	\$ 445,955	\$ 401,360	\$ 44,596	◀ 90% Federal + 10% Non-Federal	
► CMAQ - Congestion Mitigation and Air Quality Improvement Program											
	604499	Montachusett	Leominster	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	CMAQ	\$ 1,114,889	\$ 891,911	\$ 222,978	STP/HSIP/TAP/CMAQ Possible; Total Cost = \$9,686,174 Adjusted for YOE by 16%; Non Adjusted Total Cost = \$8,350,150 as of 4/13/16; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 37 of 100.	
				No Projects Programmed			\$ -	\$ -	\$ -		
						CMAQ Subtotal ►	\$ 1,114,889	\$ 891,911	\$ 222,978	◀ 80% Federal + 20% Non-Federal	
► TAP - Transportation Alternatives Program											
	604499	Montachusett	Leominster	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	TAP	\$ 310,967	\$ 248,774	\$ 62,193	STP/HSIP/TAP/CMAQ Possible; Total Cost = \$9,686,174 Adjusted for YOE by 16%; Non Adjusted Total Cost = \$8,350,150 as of 4/13/16; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 37 of 100.	
				No Projects Programmed			\$ -	\$ -	\$ -		
						TAP Subtotal ►	\$ 310,967	\$ 248,774	\$ 62,193	◀ 80% Federal + 20% Non-Federal	
► Non-CMAQ/HSIP/TAP (Other)											
	604499	MONTACHUSETT	Leominster	LEOMINSTER- RECONSTRUCTION/REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	STP	\$ 7,814,363	\$ 6,251,490	\$ 1,562,873	STP/HSIP/TAP/CMAQ Possible; Total Cost = \$9,686,174 Adjusted for YOE by 16%; Non Adjusted Total Cost = \$8,350,150 as of 4/13/16; Preliminary Design; Construction; If Widening Involved Likely CMAQ; HSIP within Limits; TEC 37 of 100.	
				No Projects Programmed			\$ -	\$ -	\$ -		
						Non-CMAQ/HSIP/TAP (Other) Subtotal ►	\$ 7,814,363	\$ 6,251,490	\$ 1,562,873	◀ 80% Federal + 20% Non-Federal	
► Section 1A / Fiscal Constraint Analysis											
						Total Federal Aid Target Funds Programmed ►	\$ 9,686,174	\$ 9,841,355	◀ Total Target	\$ 155,181	Target Funds Available
						Total Non-CMAQ/HSIP/TAP (Other) Programmed ►	\$ 7,814,363	\$ 7,969,544	◀ Max. Non-CMAQ/HSIP/TAP	\$ 155,181	Non-CMAQ/HSIP/TAP (Other) Available
						Total HSIP Programmed ►	\$ 445,955	\$ 445,955	◀ Min. HSIP	\$ -	HSIP Recommended Met
						Total CMAQ Programmed ►	\$ 1,114,889	\$ 1,114,889	◀ Min. CMAQ	\$ -	CMAQ Recommended Met
						Total TAP Programmed ►	\$ 310,967	\$ 310,967	◀ Min. TAP	\$ -	TAP Recommended Met
						Remaining HSIP, CMAQ, and TAP Funds	\$ -				

2021 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
► Section 1B / Federal Aid Bridge Projects											
► STATEWIDE Systematic Maintenance Program											
							STATEWIDE Bridge Maintenance Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► On System											
							On System Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Off-System											
	608635	Montachusett	Shirley	SHIRLEY - BRIDGE REPLACEMENT, S-13-005, LONGLEY ROAD OVER MULPUS BROOK	D3	STP-BR-OFF	\$ 1,764,940	\$ 1,411,952	\$ 352,988		
							Off-System Subtotal ►	\$ 1,764,940	\$ 1,411,952	\$ 352,988	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Bridge Inspection Program											
							STATEWIDE Bridge Inspection Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects											
► Other Federal Aid											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							Other Federal Aid Subtotal ►	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects											
► Regional Major Infrastructure											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							Regional Major Infrastructure Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Americans with Disability Act Implementation Plan											
							STATEWIDE ADA Implementation Plan Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Congestion Mitigation and Air Quality											
	607347	Montachusett	Gardner	GARDNER- BIKE PATH CONSTRUCTION, NORTH CENTRAL PATHWAY (PHASE VI)	3	CMAQ	\$ 3,000,000	\$ 2,400,000	\$ 600,000		
							STATEWIDE CMAQ Subtotal ►	\$ 3,000,000	\$ 2,400,000	\$ 600,000	◀ 80% Federal + 20% Non-Federal
► STATEWIDE HSIP Program											
							STATEWIDE HSIP Program Subtotal ►	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal
► STATEWIDE Infrastructure Program											
							STATEWIDE Infrastructure Program Subtotal ►	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
► STATEWIDE Interstate Maintenance Program											
							STATEWIDE Interstate Maintenance Program Subtotal ►	\$ -	\$ -	\$ -	◀ 90% Federal + 10% Non-Federal

2021 Montachusett MPO Transportation Improvement Program

Amendment/ Adjustment Type ▼	MassDOT Project ID ▼	MPO ▼	Municipality Name ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼	
▶ STATEWIDE Intelligent Transportation Systems											
							STATEWIDE ITS Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE National Freight Program											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE National Freight Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE National Highway System Preservation Program											
							STATEWIDE NHS Preservation Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Planning Program											
							STATEWIDE Planning Program Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Railroad Grade Crossings											
							STATEWIDE RR Grade Crossings Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Safe Routes to Schools Program											
							STATEWIDE Safe Routes to Schools Program Subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ STATEWIDE Stormwater Retrofits											
							STATEWIDE Stormwater Retrofits Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ STATEWIDE Transportation Enhancements											
				No Projects Programmed			\$ -	\$ -	\$ -		
				No Projects Programmed			\$ -	\$ -	\$ -		
							STATEWIDE Transportation Enhancements Subtotal ▶	\$ -	\$ -	\$ -	◀ 80% Federal + 20% Non-Federal
▶ Other STATEWIDE Items											
							Other STATEWIDE Items Subtotal ▶	\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source
▶ Section 2A / Non-Federal Projects											
▶ Non Federal Aid											
							Non-Federal Aid Subtotal ▶	\$ -	\$ -	\$ -	◀ 100% Non-Federal
▶ Section 2B / Non-Federal Bridge Projects											
▶ Section 2B / Non-Federal Bridge Projects											
				No Projects Programmed		NFA	\$ -	\$ -	\$ -		
				No Projects Programmed		NFA	\$ -	\$ -	\$ -		
							Section 2B / Non-Federal Bridge Projects Subtotal ▶	\$ -	\$ -	\$ -	◀ 100% Non-Federal

2021 Montachusett MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ▶	\$ 14,451,114	\$ -	\$ 14,451,114	◀ Total Spending in Region
Federal Funds ▶	\$ 11,605,487	\$ -	\$ 11,605,487	◀ Total Federal Spending in Region
Non-Federal Funds ▶	\$ 2,845,627	\$ -	\$ 2,845,627	◀ Total Non-Federal Spending in Region

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Transportation Improvement Program (TIP)											
Project List (FY2017)											
FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost	
5307											
	5307	RTD0004829	Montachusett Regional Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$40,000	\$10,000	\$0	\$0	\$50,000
	5307	RTD0004832	Montachusett Regional Transit Authority	123404	REHAB/RENOV - PARK & RIDE FACILITY		\$80,000	\$20,000	\$0	\$0	\$100,000
	5307	RTD0004837	Montachusett Regional Transit Authority	111215	BUY REPLACEMENT VAN (5)		\$236,000	\$59,000	\$0	\$0	\$295,000
	5307	RTD0004960	Montachusett Regional Transit Authority	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$100,000	\$25,000	\$0	\$0	\$125,000
	5307	RTD0004833	Montachusett Regional Transit Authority	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$320,000	\$80,000	\$0	\$0	\$400,000
	5307	RTD0004849	Montachusett Regional Transit Authority	111204	BUY REPLACEMENT <30 FT BUS (2)		\$146,000	\$36,500	\$0	\$0	\$182,500
	5307	RTD0005100	Montachusett Regional Transit Authority	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT		\$200,000	\$50,000	\$0	\$0	\$250,000
	5307	RTD0004830	Montachusett Regional Transit Authority	300901	UP TO 50% FEDERAL SHARE		\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000
	5307	RTD0004963	Montachusett Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV		\$240,000	\$60,000	\$0	\$0	\$300,000
Subtotal							\$3,362,000	\$2,340,500	\$0	\$0	\$5,702,500
5309											
Subtotal							\$0	\$0	\$0	\$0	\$0
5310											
Subtotal							\$0	\$0	\$0	\$0	\$0
5311											
Subtotal							\$0	\$0	\$0	\$0	\$0
5337											
Subtotal							\$0	\$0	\$0	\$0	\$0
5339											
Subtotal							\$0	\$0	\$0	\$0	\$0
5320											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Non-Federal											
Other Non-Federal	RTD0005411	Montachusett Regional Transit Authority	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT		\$0	\$132,000	\$0	\$0	\$132,000	
Subtotal							\$0	\$132,000	\$0	\$0	\$132,000
Total							\$3,362,000	\$2,472,500	\$0	\$0	\$5,834,500
Funds listed under the Carry Over column are included in the Federal Amount											

Transportation Improvement Program (TIP)											
Project List (FY2018)											
FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost	
5307											
	5307	RTD0004841	Montachusett Regional Transit Authority	113209	ACQUIRE - BUS ROUTE SIGNING		\$600,000	\$150,000	\$0	\$0	\$750,000
	5307	RTD0004842	Montachusett Regional Transit Authority	129405	REHAB/RENOV PED ACCESS / WALKWAYS		\$140,000	\$35,000	\$0	\$0	\$175,000
	5307	RTD0004961	Montachusett Regional Transit Authority	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$160,000	\$40,000	\$0	\$0	\$200,000
	5307	RTD0004851	Montachusett Regional Transit Authority	111215	BUY REPLACEMENT VAN (8)		\$307,200	\$76,800	\$0	\$0	\$384,000
	5307	RTD0004964	Montachusett Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV		\$300,000	\$75,000	\$0	\$0	\$375,000
	5307	RTD0004972	Montachusett Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE		\$200,000	\$50,000	\$0	\$0	\$250,000
	5307	RTD0004831	Montachusett Regional Transit Authority	300901	UP TO 50% FEDERAL SHARE		\$1,500,000	\$1,500,000	\$0	\$0	\$3,000,000
	5307	RTD0004834	Montachusett Regional Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$40,000	\$10,000	\$0	\$0	\$50,000
Subtotal							\$3,247,200	\$1,936,800	\$0	\$0	\$5,184,000
5309											
Subtotal							\$0	\$0	\$0	\$0	\$0
5310											
Subtotal							\$0	\$0	\$0	\$0	\$0
5311											
Subtotal							\$0	\$0	\$0	\$0	\$0
5337											
Subtotal							\$0	\$0	\$0	\$0	\$0
5339											
Subtotal							\$0	\$0	\$0	\$0	\$0
5320											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Non-Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Total							\$3,247,200	\$1,936,800	\$0	\$0	\$5,184,000
Funds listed under the Carry Over column are included in the Federal Amount											

Transportation Improvement Program (TIP)											
Project List (FY2019)											
FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost	
5307											
	5307	RTD0004835	Montachusett Regional Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$160,000	\$40,000	\$0	\$0	\$200,000
	5307	RTD0004836	Montachusett Regional Transit Authority	111215	BUY REPLACEMENT VAN (8)		\$400,000	\$100,000	\$0	\$0	\$500,000
	5307	RTD0004969	Montachusett Regional Transit Authority	113403	TERMINAL, INTERMODAL (TRANSIT)		\$80,000	\$20,000	\$0	\$0	\$100,000
	5307	RTD0004973	Montachusett Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE		\$300,000	\$75,000	\$0	\$0	\$375,000
	5307	RTD0004965	Montachusett Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV		\$320,000	\$80,000	\$0	\$0	\$400,000
	5307	RTD0004840	Montachusett Regional Transit Authority	300901	UP TO 50% FEDERAL SHARE		\$1,280,000	\$1,280,000	\$0	\$0	\$2,560,000
	5307	RTD0004843	Montachusett Regional Transit Authority	111202	BUY REPLACEMENT 35-FT BUS (3)		\$875,000	\$512,500	\$0	\$0	\$1,387,500
Subtotal							\$3,415,000	\$2,107,500	\$0	\$0	\$5,522,500
5309											
Subtotal							\$0	\$0	\$0	\$0	\$0
5310											
Subtotal							\$0	\$0	\$0	\$0	\$0
5311											
Subtotal							\$0	\$0	\$0	\$0	\$0
5337											
Subtotal							\$0	\$0	\$0	\$0	\$0
5339											
Subtotal							\$0	\$0	\$0	\$0	\$0
5320											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Non-Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Total							\$3,415,000	\$2,107,500	\$0	\$0	\$5,522,500
Funds listed under the Carry Over column are included in the Federal Amount											

Transportation Improvement Program (TIP)											
Project List (FY2020)											
FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost	
5307											
	5307	RTD0004846	Montachusett Regional Transit Authority	111215	BUY REPLACEMENT VANS (5)		\$260,000	\$32,500	\$0	\$32,500	\$325,000
	5307	RTD0004839	Montachusett Regional Transit Authority	119202	PURCHASE BUS SHELTERS		\$80,000	\$20,000	\$0	\$0	\$100,000
	5307	RTD0004845	Montachusett Regional Transit Authority	300901	UP TO 50% FEDERAL SHARE		\$1,070,000	\$1,070,000	\$0	\$0	\$2,140,000
	5307	RTD0004974	Montachusett Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE		\$400,000	\$100,000	\$0	\$0	\$500,000
	5307	RTD0004966	Montachusett Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV		\$330,000	\$82,500	\$0	\$0	\$412,500
	5307	RTD0004844	Montachusett Regional Transit Authority	111203	BUY REPLACEMENT 30-FT BUS (3)		\$800,000	\$200,000	\$0	\$0	\$1,000,000
	5307	RTD0005103	Montachusett Regional Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$48,000	\$12,000	\$0	\$0	\$60,000
Subtotal							\$2,988,000	\$1,517,000	\$0	\$32,500	\$4,537,500
5309											
Subtotal							\$0	\$0	\$0	\$0	\$0
5310											
Subtotal							\$0	\$0	\$0	\$0	\$0
5311											
Subtotal							\$0	\$0	\$0	\$0	\$0
5337											
Subtotal							\$0	\$0	\$0	\$0	\$0
5339											
Subtotal							\$0	\$0	\$0	\$0	\$0
5320											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Non-Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Total							\$2,988,000	\$1,517,000	\$0	\$32,500	\$4,537,500
Funds listed under the Carry Over column are included in the Federal Amount											

Transportation Improvement Program (TIP)											
Project List (FY2021)											
FTA Program	Project Number	Transit Agency	FTA Activity Line Item	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost	
5307											
	5307	RTD0004968	Montachusett Regional Transit Authority	113403	TERMINAL, INTERMODAL (TRANSIT)		\$600,000	\$150,000	\$0	\$0	\$750,000
	5307	RTD0004967	Montachusett Regional Transit Authority	117C00	NON FIXED ROUTE ADA PARA SERV		\$330,000	\$82,500	\$0	\$0	\$412,500
	5307	RTD0004970	Montachusett Regional Transit Authority	300901	UP TO 50% FEDERAL SHARE		\$1,070,000	\$1,070,000	\$0	\$0	\$2,140,000
	5307	RTD0004975	Montachusett Regional Transit Authority	117A00	PREVENTIVE MAINTENANCE		\$400,000	\$100,000	\$0	\$0	\$500,000
	5307	RTD0005108	Montachusett Regional Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$72,000	\$18,000	\$0	\$0	\$90,000
	5307	RTD0005114	Montachusett Regional Transit Authority	111215	BUY REPLACEMENT VAN (6)	2020 - \$325,000	\$325,000	\$40,625	\$0	\$40,625	\$406,250
	5307	RTD0005115	Montachusett Regional Transit Authority	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$400,000	\$100,000	\$0	\$0	\$500,000
	5307	RTD0005116	Montachusett Regional Transit Authority	111209	BUY REPLACEMENT TROLLEY BUS		\$400,000	\$50,000	\$0	\$50,000	\$500,000
Subtotal							\$3,597,000	\$1,611,125	\$0	\$90,625	\$5,298,750
5309											
Subtotal							\$0	\$0	\$0	\$0	\$0
5310											
Subtotal							\$0	\$0	\$0	\$0	\$0
5311											
Subtotal							\$0	\$0	\$0	\$0	\$0
5337											
Subtotal							\$0	\$0	\$0	\$0	\$0
5339											
Subtotal							\$0	\$0	\$0	\$0	\$0
5320											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Other Non-Federal											
Subtotal							\$0	\$0	\$0	\$0	\$0
Total							\$3,597,000	\$1,611,125	\$0	\$90,625	\$5,298,750
Funds listed under the Carry Over column are included in the Federal Amount											

Appendix Montachusett MPO Transportation Improvement Program

Project ID #	Community	Description	TEC Total Score	Design Status	Est Cost ProjectInfo	Additional Information
607704	Groton/Littleton	Groton/Littleton - Resurfacing & Related Work on Route 119	40	Preliminary Design (ProjectInfo)	\$9,775,000	Project Info Est Cost = \$9,775,000 (as of 1/6/14); Prelim Design; Est Const - Winter 2016/2017; MassDOT Design; TEC 40 of 100;
605393	Harvard/Lancaster	Harvard- Lancaster- Reconstruction & Widening on Rt 2 Ramps @ 35, 36 & 38	36	Preliminary Design (ProjectInfo)	\$2,246,400	MassDOT designer on board; possible HSIP; estimate \$2,246,400 (as of 4/10/13); Construction; TEC 36 of 100; Prelim Design.
606640	Ayer	Ayer- Resurfacing & Related Work on Rt 2A (Fitchburg Rd & Park St)	35	Preliminary Design (ProjectInfo)	\$2,400,000	Project Info Est Cost = \$2,400,000 (as of 4/10/13); Resurfacing; Prelim Design; TEC 35 of 100;
601965	Groton/Pepperell/Townsend	Groton- Pepperell- Townsend- Resurfacing & Related Work on Rt 119	34	Preliminary Design (ProjectInfo)	\$4,025,000	Construction; State needs a designer; NHS eligible; Need to break out by town due to cost; TEC 34 of 100; Prelim Design.
606348	Ayer	Ayer - Resurfacing and Related Work on Route 2A, From Sandy Pond Road to the Littleton Town Line	33	Preliminary Design (ProjectInfo)	\$1,200,000	Project Info Est Cost = \$1,200,000 (as of 1/6/14); Prelim Design; Est Const - Winter 2018/2019; MassDOT Design; TEC 33 of 100;
601220	Townsend	Townsend - Resurfacing & Related Work on Rt 13	32	Preliminary Design (ProjectInfo)	\$2,353,781	Non Adjusted Total Cost = \$2,353,780 as of 1/6/14; Preliminary Design; Town to do design; possible book job; TEC = 32 of 100;
607432	Westminster	Westminster - Rehabilitation & Box Widening on Rt 140, From Patricia Rd to the Princeton T.L.	32	Preliminary Design (ProjectInfo)	\$4,200,000	Project Info Est Cost = \$4,200,000 (as of 1/6/14); Prelim Design; Est Const - Summer 2019; Municipality Design; TEC 32 of 100;
607848	Hubbardston	Hubbardston- Resurfacing and Related Work on Route 68, from Williamsville	25	Preliminary Design (ProjectInfo)	\$5,040,000	Preliminary Design; PRC Approved 4/7/2014; TEC 25 of 100;
607431	Westminster	Westminster - Resurfacing & Related Work on Route 140, From Route 2A to Patricia Road	25	Preliminary Design (ProjectInfo)	\$1,800,000	Project Info Est Cost = \$1,800,000 (as of 1/6/14); Prelim Design; Est Const - Summer 2019; Municipality Design; TEC 25 of 100;
601366	Harvard	Harvard- Resurfacing & Related Work on Rt 110 (Still River Rd)	21	Preliminary Design (ProjectInfo)	\$3,000,000	Construction; TEC 21 of 100; Prelim Design.
608177	Ashby	Ashby - Reconstruction of Route 119 (Townsend Road) from Bernhardt Road to Route 31.	20	Preliminary Design	\$6,900,000	Preliminary Design; PRC Approved 3/20/2015; TEC 20 of 100;
607260	Petersham	Petersham - Resurfacing & Related Work on Rt 122	15	Preliminary Design (ProjectInfo)	\$4,680,000	MassDOT in house design; estimate \$4,680,000 (as of 4/10/13); TEC 15 of 100;
Total Est Cost					\$47,620,181	