

**MONTACHUSETT  
METROPOLITAN PLANNING ORGANIZATION**

Transportation Improvement Program  
FFY2014 - 2017

**DRAFT**

Comment Period: May 13, 2013 – June 11, 2013

***SUMMARY PROJECT LIST***



This document was prepared in accordance with 23 USC 450 by the Montachusett Regional Planning Commission with the assistance of the Federal Highway Administration in cooperation with the Massachusetts Department of Transportation, and with the assistance of the Federal Transit Administration.

## ***PART B. TRANSPORTATION AND TRANSIT PROJECT PRIORITIES: FEDERAL & STATE SECTIONS***

Please note that the projects listed represent the best available information at the time of compilation. Actual implementation is subject to right of way, design, land taking, local action and/or other issues that could delay project time frames and subsequently advertising and award dates.

In addition, federal guidance requires that the TIP reflect Year of Expenditure (YOE) dollars for projects and programs. To accommodate this requirement, individual project cost estimates provided by MassDOT have been adjusted by a four percent per year inflation factor depending upon its year of placement in the TIP (for this TIP, Federal Years 2015, 2016 and 2017). Year 1 cost estimates remain as provided but projects in Year 2, 3 or 4 (i.e. FFY 2015, 2016 or 2017) have been increased by a YOE factor of 4%, 8% or 12%, respectively.

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>

# 2014 Montachusett MPO Transportation Improvement Program

5/13/2013 Draft Released  
x/xx/xxxx MPO Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1A / Federal Aid Target Projects							
► STP - Surface Transportation Program							
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	STP	\$ 1,013,884	\$ 811,107	\$ 202,777	STP/HSIP/CMAQ; Total Cost = \$3,745,361 (as of 5/8/13); Cost est. reduced from \$6,331,111 as of 4/12/12; Construction; TEC 61 of 100; 25% Design; Cost includes utilities; AQ analysis shows positive impact.
605696	HUBBARDSTON- BRIDGE REHABILITATION, H-24-004, BURNSHIRT ROAD OVER WATER BURNSHIRT RIVER	3	STP	\$ 1,087,500	\$ 870,000	\$ 217,500	Total Cost = \$1,087,500; 75% design due 5/2013. Bridge Project carried under Target STP Funds.
607296	ATHOL-PHILLIPSTON - MEDIAN DELINEATOR REPLACEMENT ON ROUTE 2 FROM SOUTH ATHOL ROAD TO 1,330 FT. WEST OF STATE ROAD (6 MILES)	2	STP	\$ 700,000	\$ 560,000	\$ 140,000	Total Cost = \$700,000 (as of 4/10/13); TEC = 23 of 100; 25% Design;
606408	ATHOL- RECONSTRUCTION OF WEST ROYALSTON ROAD, FROM SILVER LAKE STREET TO THE ROYALSTON T.L.	2	STP	\$ 2,501,102	\$ 2,000,882	\$ 500,220	Total Cost = \$2,501,102 (as of 4/10/13); TEC = 23 of 100; 75% Design due 4/2013;
STP Subtotal ►				\$ 5,302,486	\$ 4,241,989	\$ 1,060,497	◄ 80% Federal + 20% Non-Federal
► TAP - Transportation Alternatives Program							
606636	ATHOL- SCENIC BYWAY ACCESS & OVERLOOK CONSTRUCTION. Project consists of the demolition of exist structures (house and barn) on the property and the installation of an information kiosk and scenic overlook including park bench, bike rack and landscaping to highlight the easterly gateway to the Mohawk Trail Scenic Byway.	2	TE/TAP	\$ 74,990	\$ 59,992	\$ 14,998	TAP/CMAQ; Total Cost = \$161,490 up from \$106,735 (as of 5/7/13); TEC - Not Scored; Landscape & Roadside Development; Near 75% Design;  <i>NOTE: Previously given due consideration and review as a Transportation Enhancement (TE) eligible project through prior program guidelines. Project subsequently selected for TE program.</i>
TAP Subtotal ►				\$ 74,990	\$ 59,992	\$ 14,998	◄ 80% Federal + 20% Non-Federal
► HSIP - Highway Safety Improvement Program							
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	HSIP	\$ 613,189	\$ 551,870	\$ 61,319	STP/HSIP/CMAQ; Total Cost = \$3,745,361 (as of 5/8/13); Cost est. reduced from \$6,331,111 as of 4/12/12; Construction; TEC 61 of 100; 25% Design; Cost includes utilities; AQ analysis shows positive impact.
HSIP Subtotal ►				\$ 613,189	\$ 551,870	\$ 61,319	◄ Funding Split Varies by Project Specifications
► CMAQ - Congestion Mitigation and Air Quality Improvement Program							
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	CMAQ	\$ 2,118,288	\$ 1,694,630	\$ 423,658	STP/HSIP/CMAQ; Total Cost = \$3,745,361 (as of 5/8/13); Cost est. reduced from \$6,331,111 as of 4/12/12; Construction; TEC 61 of 100; 25% Design; Cost includes utilities; AQ analysis shows positive impact.
606636	ATHOL- SCENIC BYWAY ACCESS & OVERLOOK CONSTRUCTION. Project consists of the demolition of exist structures (house and barn) on the property and the installation of an information kiosk and scenic overlook including park bench, bike rack and landscaping to highlight the easterly gateway to the Mohawk Trail Scenic Byway.	2	TE/TAP	\$ 86,500	\$ 69,200	\$ 17,300	TAP/CMAQ; Total Cost = \$161,490 up from \$106,735 (as of 5/7/13); TEC - Not Scored; Landscape & Roadside Development; Near 75% Design;
CMAQ Subtotal ►				\$ 2,204,788	\$ 1,763,830	\$ 440,958	◄ 80% Federal + 20% Non-Federal
► Section 1A / Fiscal Constraint Analysis							
Total Federal Aid Target Funds Programmed ►				\$ 8,195,453	\$ 8,195,453	◄ Total Target	\$ - Target Funds Available
Total STP Programmed ►				\$ 5,302,486	\$ 5,388,986	◄ Max. STP	\$ 86,500 STP Available
Total TAP Programmed ►				\$ 74,990	\$ 74,990	◄ Min. TAP	\$ - TAP Available
Total HSIP Programmed ►				\$ 613,189	\$ 613,189	◄ Min. HSIP	\$ - HSIP Minimum Met
Total CMAQ Programmed ►				\$ 2,204,788	\$ 2,118,288	◄ Min. CMAQ	\$ (86,500) CMAQ Minimum Met

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x/xx/xxxx MPO Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1B / Federal Aid Bridge Projects							
607114	LANCASTER - FULL BRIDGE REPLACEMENT, L-02-018, JACKSON ROAD OVER ROUTE 2.	3	BR-Off	\$ 4,114,608	\$ 3,291,686	\$ 822,922	AC Yr 1 of 2; Cost Est as of 4/23/13; Construction; Total Cost = \$7,576,608; Bridge Off System; \$3,432,000 programmed in FFY 2015
BR Subtotal ►				\$ 4,114,608	\$ 3,291,686	\$ 822,922	◄ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects							
► Earmarks							
604439	WINCHENDON - MULTI-USE TRAIL DESIGN (NORTH CENTRAL PATHWAY - PHASE V) INCLUDES W-39-023, W-39-024 & W-39-028	2	HPP (2005)	\$ 1,849,594	\$ 1,479,675	\$ 369,919	HPP #1798 MA 148 Earmark: Total Cost = \$1,849,594 (as of ProjectInfo 4/10/13); Construction of a shared use path from the vicinity of its intersection with North Ashburnham Rd to the vicinity of Glenallen St approx. 2.1 miles; Includes refurbishing 3 bridges over the Millers River, installation of park benches, drainage system improvements, guardrail, roadside grading, pavement markings and signs, and other incidental
Earmarks Subtotal ►				\$ 1,849,594	\$ 1,479,675	\$ 369,919	◄ Funding Split Varies by Earmark
► Other							
604439	WINCHENDON - MULTI-USE TRAIL DESIGN (NORTH CENTRAL PATHWAY - PHASE V) INCLUDES W-39-023, W-39-024 & W-39-028	2	CMAQ (Statewide)	\$ 353,600	\$ 282,880	\$ 70,720	CMAQ (Statewide): Total Cost = \$2,151,296 (as of ProjectInfo 4/10/13);
Other Subtotal ►				\$ 353,600	\$ 282,880	\$ 70,720	◄ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects							
► IM - Interstate Maintenance							
	No Projects Programmed			\$ -	\$ -	\$ -	
IM Subtotal ►				\$ -	\$ -	\$ -	◄ 90% Federal + 10% Non-Federal
► NHS - National Highway System							
	No Projects Programmed			\$ -	\$ -	\$ -	
NHS Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal
► Other							
	No Projects Programmed			\$ -	\$ -	\$ -	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects							
	No Projects Programmed			\$ -	\$ -	\$ -	
Non-Federal Projects Subtotal ►				\$ -	\$ -	\$ -	◄ 100% Non-Federal
► Section 2B / Non-Federal Bridge Projects							
	No Projects Programmed			\$ -	\$ -	\$ -	
Non-Federal Bridge Projects Subtotal ►				\$ -	\$ -	\$ -	◄ 100% Non-Federal
TIP Section 1: ▼				TIP Section 2: ▼		Total of All Projects ▼	
Total ►				\$ 14,513,255	\$ -	\$ 14,513,255	◄ Total Spending in Region
Federal Funds ►				\$ 11,671,923	\$ -	\$ 11,671,923	◄ Total Federal Spending in Region
Non-Federal Funds ►				\$ 2,841,332	\$ -	\$ 2,841,332	◄ Total Non-Federal Spending in Region

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

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MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
<b>► Section 1A / Federal Aid Target Projects</b>							
<b>► STP - Surface Transportation Program</b>							
604960	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	3	STP	\$ 3,714,735	\$ 2,971,788	\$ 742,947	STP/HSIP/CMAQ; Total Cost = \$4,368,000 Adjusted for YOY by 4%; Non Adjusted Total Cost = \$4,200,000 as of 4/10/13; Construction; TEC 43 of 100; 25% Design on 3/12/12;
607436	HUBBARDSTON- RESURFACING AND RELATED WORK ON BURNSHIRT ROAD	3	STP	\$ 1,092,000	\$ 873,600	\$ 218,400	Total Cost = \$1,092,000 Adjusted for YOY by 4%; Non Adjusted Total Cost = \$1,050,000 (as of 4/10/13); TEC = 9 of 100; Preliminary Design; Town has design underway;
STP Subtotal ►				\$ 4,806,735	\$ 3,845,388	\$ 961,347	◄ 80% Federal + 20% Non-Federal
<b>► TAP - Transportation Alternatives Program</b>							
Project(s) To Be Determined				\$ -	\$ -	\$ -	
TAP Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal
<b>► HSIP - Highway Safety Improvement Program</b>							
604960	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	3	HSIP	\$ 495,506	\$ 445,955	\$ 49,551	STP/HSIP/CMAQ; Total Cost = \$4,368,000 Adjusted for YOY by 4%; Non Adjusted Total Cost = \$4,200,000 as of 4/10/13; Construction; TEC 43 of 100; 25% Design on 3/12/12;
HSIP Subtotal ►				\$ 495,506	\$ 445,955	\$ 49,551	◄ Funding Split Varies by Project Specifications
<b>► CMAQ - Congestion Mitigation and Air Quality Improvement Program</b>							
604699	STERLING- INTERSECTION IMPROVEMENTS AT ROUTE 12 AND CHOCKSETT ROAD	3	CMAQ	\$ 1,560,000	\$ 1,248,000	\$ 312,000	Total Cost = \$1,560,000 Adjusted for YOY by 4%; Non Adjusted Total Cost = \$1,500,000; Construction (as of 4/10/13); TEC 4.70 of 18; Design at MassDOT Boston; possible HSIP.
604960	CLINTON- RESURFACING & RELATED WORK ON WATER STREET AND BOLTON ROAD (1.2 MILES)	3	TAP	\$ 157,759	\$ 126,207	\$ 31,552	STP/HSIP/CMAQ; Total Cost = \$4,368,000 Adjusted for YOY by 4%; Non Adjusted Total Cost = \$4,200,000 as of 4/10/13; Construction; TEC 43 of 100; 25% Design on 3/12/12;
CMAQ Subtotal ►				\$ 1,717,759	\$ 1,374,207	\$ 343,552	◄ 80% Federal + 20% Non-Federal
<b>► Section 1A / Fiscal Constraint Analysis</b>							
Total Federal Aid Target Funds Programmed ►				\$ 7,020,000	\$ 7,049,564	◄ Total Target	\$ 29,564 Target Funds Available
Total STP Programmed ►				\$ 4,806,735	\$ 4,806,735	◄ Max. STP	\$ - STP Available
Total TAP Programmed ►				\$ -	\$ 74,990	◄ Min. TAP	\$ 74,990 TAP Available
Total HSIP Programmed ►				\$ 495,506	\$ 495,506	◄ Min. HSIP	\$ - HSIP Minimum Met
Total CMAQ Programmed ►				\$ 1,717,759	\$ 1,672,333	◄ Min. CMAQ	\$ (45,426) CMAQ Minimum Met
<b>► Section 1B / Federal Aid Bridge Projects</b>							
607114	LANCASTER - FULL BRIDGE REPLACEMENT, L-02-018, JACKSON ROAD OVER ROUTE 2.	3	BR-Off	\$ 3,432,000	\$ 2,745,600	\$ 686,400	AC Yr 2 of 2; Cost Est as of 4/23/13; Construction; Total Cost = \$7,576,608; Bridge Off System; \$4,144,608 programmed in FFY 2014
604838	WINCHENDON - BRIDGE REPLACEMENT, W-39-001, HARRIS ROAD OVER TARBELL BROOK	2	BR-Off	\$ 3,260,694	\$ 2,608,555	\$ 652,139	Cost Est as of 4/23/13; Total Cost = \$3,260,694 Adjusted for YOY by 4%; Non Adjusted Total Cost = \$3,135,283; Bridge Off System
BR Subtotal ►				\$ 6,692,694	\$ 5,354,155	\$ 1,338,539	◄ 80% Federal + 20% Non-Federal

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► Section 1C / Federal Aid Non-Target Projects							
► Earmarks							
607347	GARDNER- BIKE PATH DESIGN, NORTH CENTRAL PATHWAY (PHASE VI) The project involves construction of 0.5 miles of the North Central Pathway. The work involves construction of a 10 foot wide paved path along an abandoned county road (Old John Eaton Road). This section, between Stone Street in Gardner and Phase III in Winchendon is the key link between the 8 miles of pathway in Winchendon and the remaining pathway in Gardner.	3	HPP (2005)	\$ 104,000	\$ 83,200	\$ 20,800	HPP #1798 MA 148 Earmark: Total Cost = \$104,000 (AS OF 4/10/13) Adjusted for YOY by 4%; Non Adjusted Total Cost = \$100,000; Total Design & Construction \$1,000,000 Non Adjusted.
607347	GARDNER- BIKE PATH CONSTRUCTION, NORTH CENTRAL PATHWAY (PHASE VI) The project involves construction of 0.5 miles of the North Central Pathway. The work involves construction of a 10 foot wide paved path along an abandoned county road (Old John Eaton Road). This section, between Stone Street in Gardner and Phase III in Winchendon is the key link between the 8 miles of pathway in Winchendon and the remaining pathway in Gardner.	3	HPP (2005)	\$ 936,000	\$ 748,800	\$ 187,200	HPP #1798 MA 148 Earmark: Total Cost = \$936,000 (AS OF 4/10/13) Adjusted for YOY by 4%; Non Adjusted Total Cost = \$900,000; Total Design & Construction \$1,000,000 Non Adjusted.
Earmarks Subtotal ►				\$ 936,000	\$ 748,800	\$ 187,200	◄ Funding Split Varies by Earmark
► Other							
No Projects Programmed				\$ -	\$ -	\$ -	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source
► Section 1D / Federal Aid Major & State Category Projects							
► IM - Interstate Maintenance							
No Projects Programmed				\$ -	\$ -	\$ -	
IM Subtotal ►				\$ -	\$ -	\$ -	◄ 90% Federal + 10% Non-Federal
► NHS - National Highway System							
No Projects Programmed				\$ -	\$ -	\$ -	
NHS Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal
► Other							
607242	FITCHBURG - SOUTH STREET ELEMENTARY - SAFE ROUTES TO SCHOOL Recommended improvements: Installation of sidewalks, wheelchair ramps, crosswalk striping and warning signs.	3	SRTS	\$ 540,000	\$ 432,000	\$ 108,000	Total Cost = \$540,000; Safe Routes to School - Funding is TAP/Flex and requires 20% state match; PRC approval 7/26/12; Total Non Adjusted Cost - \$519,231 (est as of 4/10/13);
Other Subtotal ►				\$ 540,000	\$ 432,000	\$ 108,000	◄ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects							
No Projects Programmed				\$ -	\$ -	\$ -	
Non-Federal Projects Subtotal ►				\$ -	\$ -	\$ -	◄ 100% Non-Federal
► Section 2B / Non-Federal Bridge Projects							
No Projects Programmed				\$ -	\$ -	\$ -	
Non-Federal Bridge Projects Subtotal ►				\$ -	\$ -	\$ -	◄ 100% Non-Federal

## 2015 Montachusett MPO TIP Summary

	TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼
Total ►	\$ 15,188,694	\$ -	\$ 15,188,694
Federal Funds ►	\$ 12,200,506	\$ -	\$ 12,200,506
Non-Federal Funds ►	\$ 2,988,188	\$ -	\$ 2,988,188

NOTE: Please note that costs for individual projects reflect Year of Expenditure (YOY) or cost in 2015 dollars. Project costs have been increased by 4% from 2014 levels.

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

2016

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MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
<b>► Section 1A / Federal Aid Target Projects</b>							
<b>► STP - Surface Transportation Program</b>							
604928	LEOMINSTER- RECONSTRUCTION OF MECHANIC STREET, FROM LAUREL STREET TO THE LEOMINSTER CONNECTOR	3	STP	\$ 1,387,348	\$ 1,109,878	\$ 277,470	STP/HSIP/CMAQ; Total Cost = \$3,555,187 Adjusted for YOY by 8%; Non Adjusted Total Cost = \$3,291,840 as of 4/10/13; 25% Design on 12/11; Construction; TEC 25 of 100;
601220	TOWNSEND - RESURFACING & RELATED WORK ON ROUTE 13 - FROM JUST NORTH OF THE INTERSECTION OF ROUTE 119 TO THE NH STATE LINE, A DISTANCE OF 3.2 MILES.	3	STP	\$ 2,541,996	\$ 2,033,597	\$ 508,399	Total Cost = \$2,541,996 Adjusted for YOY by 8%; Non Adjusted Total Cost = \$2,353,700 as of 4/10/13; Preliminary Design; Town to do design; possible book job; TEC = 31 of 100;
STP Subtotal ►				\$ 3,929,344	\$ 3,143,475	\$ 785,869	◄ 80% Federal + 20% Non-Federal
<b>► TAP - Transportation Alternatives Program</b>							
Project(s) To Be Determined				\$ -	\$ -	\$ -	
TAP Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal
<b>► HSIP - Highway Safety Improvement Program</b>							
604928	LEOMINSTER- RECONSTRUCTION OF MECHANIC STREET, FROM LAUREL STREET TO THE LEOMINSTER CONNECTOR	3	HSIP	\$ 495,506	\$ 445,955	\$ 49,551	STP/HSIP/CMAQ; Total Cost = \$3,555,187 Adjusted for YOY by 8%; Non Adjusted Total Cost = \$3,291,840 as of 4/10/13; 25% Design on 12/11; Construction; TEC 25 of 100;
HSIP Subtotal ►				\$ 495,506	\$ 445,955	\$ 49,551	◄ Funding Split Varies by Project Specifications
<b>► CMAQ - Congestion Mitigation and Air Quality Improvement Program</b>							
604928	LEOMINSTER- RECONSTRUCTION OF MECHANIC STREET, FROM LAUREL STREET TO THE LEOMINSTER CONNECTOR	3	CMAQ	\$ 1,672,333	\$ 1,337,866	\$ 334,467	STP/HSIP/CMAQ; Total Cost = \$3,555,187 Adjusted for YOY by 8%; Non Adjusted Total Cost = \$3,291,840 as of 4/10/13; 25% Design on 12/11; Construction; TEC 25 of 100;
CMAQ Subtotal ►				\$ 1,672,333	\$ 1,337,866	\$ 334,467	◄ 80% Federal + 20% Non-Federal
<b>► Section 1A / Fiscal Constraint Analysis</b>							
Total Federal Aid Target Funds Programmed ►				\$ 6,097,183	\$ 7,779,073	◄ Total Target	\$ 1,681,890 Target Funds Available
Total STP Programmed ►				\$ 3,929,344	\$ 5,536,244	◄ Max. STP	\$ 1,606,900 STP Available
Total TAP Programmed ►				\$ -	\$ 74,990	◄ Min. TAP	\$ 74,990 TAP Available
Total HSIP Programmed ►				\$ 495,506	\$ 495,506	◄ Min. HSIP	\$ - HSIP Minimum Met
Total CMAQ Programmed ►				\$ 1,672,333	\$ 1,672,333	◄ Min. CMAQ	\$ - CMAQ Minimum Met
<b>► Section 1B / Federal Aid Bridge Projects</b>							
No Projects Programmed				\$ -	\$ -	\$ -	
BR Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal
<b>► Section 1C / Federal Aid Non-Target Projects</b>							
<b>► Earmarks</b>							
No Projects Programmed				\$ -	\$ -	\$ -	
Earmarks Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Earmark
<b>► Other</b>							
No Projects Programmed				\$ -	\$ -	\$ -	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

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MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects							
► IM - Interstate Maintenance							
				\$ -	\$ -	\$ -	
			IM Subtotal ►	\$ -	\$ -	\$ -	◄ 90% Federal + 10% Non-Federal
► NHS - National Highway System							
	No Projects Programmed			\$ -	-	-	
			NHS Subtotal ►	\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal
► Other							
	No Projects Programmed						
			Other Subtotal ►	\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects							
	No Projects Programmed			\$ -		\$ -	
			Non-Federal Projects Subtotal ►	\$ -		\$ -	◄ 100% Non-Federal
► Section 2B / Non-Federal Bridge Projects							
	No Projects Programmed			\$ -		\$ -	
			Non-Federal Bridge Projects Subtotal ►	\$ -		\$ -	◄ 100% Non-Federal

## 2016 Montachusett MPO TIP Summary

			TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
		Total ►	\$ 6,097,183	\$ -	\$ 6,097,183	◄ Total Spending in Region
		Federal Funds ►	\$ 4,927,297		\$ 4,927,297	◄ Total Federal Spending in Region
		Non-Federal Funds ►	\$ 1,169,886	\$ -	\$ 1,169,886	◄ Total Non-Federal Spending in Region

NOTE: Please note that costs for individual projects reflect Year of Expenditure (YOE) or cost in 2016 dollars. Project costs have been increased by 8% from 2014 levels.

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



# 2017 Montachusett MPO Transportation Improvement Program

5/13/2013 Draft Released  
x/xx/xxxx MPO Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
<b>► Section 1A / Federal Aid Target Projects</b>							
<b>► STP - Surface Transportation Program</b>							
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	STP	\$ 4,283,361	\$ 3,426,689	\$ 856,672	STP/CMAQ/HSIP; Total Cost = \$6,451,200 Adjusted for YOY by 12%; Non Adjusted Total Cost = \$5,760,000; 25% expected in 6 months (9/2013); TEC 46 of 100;
606403	FITCHBURG- RECONSTRUCTION OF RINDGE ROAD, FROM ROUTE 31 (ASHBY STATE ROAD) TO ASHBY T.L.	3	STP	\$ 1,120,000	\$ 896,000	\$ 224,000	Total Cost = \$1,120,000 Adjusted for YOY by 12%; Non Adjusted Total Cost = \$1,000,000 (as of 4/10/13); Construction; TEC 26 of 100; Prelim Design.
STP Subtotal ►				\$ 5,403,361	\$ 4,322,689	\$ 1,080,672	◄ 80% Federal + 20% Non-Federal
<b>► TAP - Transportation Alternatives Program</b>							
Project(s) To Be Determined				\$ -	\$ -	\$ -	
TAP Subtotal ►				\$ -	\$ -	\$ -	◄ 80% Federal + 20% Non-Federal
<b>► HSIP - Highway Safety Improvement Program</b>							
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	HSIP	\$ 495,506	\$ 445,955	\$ 49,551	STP/CMAQ/HSIP; Total Cost = \$6,451,200 Adjusted for YOY by 12%; Non Adjusted Total Cost = \$5,760,000; 25% expected in 6 months (9/2013); TEC 46 of 100;
HSIP Subtotal ►				\$ 495,506	\$ 445,955	\$ 49,551	◄ Funding Split Varies by Project Specifications
<b>► CMAQ - Congestion Mitigation and Air Quality Improvement Program</b>							
606124	FITCHBURG- LUNENBURG- LEOMINSTER- RECONSTRUCTION OF SUMMER STREET AND NORTH STREET	3	CMAQ	\$ 1,672,333	\$ 1,337,866	\$ 334,467	STP/CMAQ/HSIP; Total Cost = \$6,451,200 Adjusted for YOY by 12%; Non Adjusted Total Cost = \$5,760,000; 25% expected in 6 months (9/2013); TEC 46 of 100;
CMAQ Subtotal ►				\$ 1,672,333	\$ 1,337,866	\$ 334,467	◄ 80% Federal + 20% Non-Federal
<b>► Section 1A / Fiscal Constraint Analysis</b>							
Total Federal Aid Target Funds Programmed ►				\$ 7,571,200	\$ 7,779,073	◄ Total Target	\$ 207,873 Target Funds Available
Total STP Programmed ►				\$ 5,403,361	\$ 5,536,244	◄ Max. STP	\$ 132,883 STP Available
Total TAP Programmed ►				\$ -	\$ 74,990	◄ Min. TAP	\$ 74,990 TAP Available
Total HSIP Programmed ►				\$ 495,506	\$ 495,506	◄ Min. HSIP	\$ - HSIP Minimum Met
Total CMAQ Programmed ►				\$ 1,672,333	\$ 1,672,333	◄ Min. CMAQ	\$ - CMAQ Minimum Met
<b>► Section 1B / Federal Aid Bridge Projects</b>							
607127	HUBBARDSTON - BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	3	BR-Off	\$ 1,382,192	\$ 1,105,754	\$ 276,438	Cost Est as of 4/23/13; Total Cost = \$1,382,192 Adjusted for YOY by 12%; Non Adjusted Total Cost = \$1,234,100; Bridge Off System
	WINCHENDON - BRIDGE REPAIR, N. ROYALSTON ROAD OVER WEST BRANCH OF MILLERS RIVER	2	BR-Off	\$ 2,058,672	\$ 1,646,938	\$ 411,734	Cost Est as of 4/23/13; Total Cost = \$2,058,672 Adjusted for YOY by 12%; Non Adjusted Total Cost = \$1,838,100; Bridge Off System
BR Subtotal ►				\$ 3,440,864	\$ 2,752,691	\$ 688,173	◄ 80% Federal + 20% Non-Federal
<b>► Section 1C / Federal Aid Non-Target Projects</b>							
<b>► Earmarks</b>							
No Projects Programmed				\$ -	\$ -	\$ -	
Earmarks Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Earmark
<b>► Other</b>							
No Projects Programmed				\$ -	\$ -	\$ -	
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source

# 2017 Montachusett MPO Transportation Improvement Program

5/13/2013 Draft Released  
x/xx/xxxx MPO Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
► Section 1D / Federal Aid Major & State Category Projects							
► IM - Interstate Maintenance							
606575	STERLING - LEOMINSTER - LANCASTER I-190	3	IM	\$ 16,905,907	\$ 15,215,316	\$ 1,690,591	Cost Est as of 4/23/13; Interstate Maintenance 90% Federal - 10% State; Total Cost = \$16,905,907 Adjusted for YOY by 12%; Non Adjusted Cost = \$15,094,560.
IM Subtotal ►				\$ 16,905,907	\$ 15,215,316	\$ 1,690,591	◄ 90% Federal + 10% Non-Federal
► NHS - National Highway System							
607475	WINCHENDON - RESURFACING & RELATED WORK ON ROUTE 12	2	NHS	\$ 2,023,700	1,618,960.0	404,740.0	Cost Est as of 4/23/13; Total Cost = \$2,023,700 Adjusted for YOY by 12%; Non Adjusted Cost = \$1,806,875.
NHS Subtotal ►				\$ 2,023,700	\$ 1,618,960	\$ 404,740	◄ 80% Federal + 20% Non-Federal
► Other							
No Projects Programmed							
Other Subtotal ►				\$ -	\$ -	\$ -	◄ Funding Split Varies by Funding Source
► Section 2A / Non-Federal Projects							
No Projects Programmed				\$ -		\$ -	
Non-Federal Projects Subtotal ►				\$ -		\$ -	◄ 100% Non-Federal
► Section 2B / Non-Federal Bridge Projects							
No Projects Programmed				\$ -		\$ -	
Non-Federal Bridge Projects Subtotal ►				\$ -		\$ -	◄ 100% Non-Federal

## 2017 Montachusett MPO TIP Summary

				TIP Section 1: ▼	TIP Section 2: ▼	Total of All Projects ▼	
Total ►				\$ 29,941,671	\$ -	\$ 29,941,671	◄ Total Spending in Region
Federal Funds ►				\$ 25,693,478		\$ 25,693,478	◄ Total Federal Spending in Region
Non-Federal Funds ►				\$ 4,248,193	\$ -	\$ 4,248,193	◄ Total Non-Federal Spending in Region

NOTE: Please note that costs for individual projects reflect Year of Expenditure (YOY) or cost in 2017 dollars. Project costs have been increased by 12% from 2014 levels.

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## ADVANCED CONSTRUCTION CONVERSION CHART

### Lancaster - Bridge Replacement, L-02-018, Jackson Road over Route 2

TOTAL COST ( NOT FEDERAL FUNDS )

File #	FUNDING CATEGORY	FFY 14	FFY 15	FFY 16	FFY 17	TOTAL
607114	Bridge - Off	\$4,144,608	\$3,432,000			\$7,576,608
FISCAL YEAR FEDERAL AID TOTALS:		\$4,144,608	\$3,432,000			\$7,576,608

NON - FEDERAL AID ( TO BE CONVERTED TO FED. AID BY A/C CONVERSIONS AS SHOWN ABOVE )	\$7,576,608				\$7,576,608
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**Transportation Improvement Program (TIP)  
Project List (FY2014)**

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ITCCAP	TDC	SCA	Local Funds	Total Cost
5307												
	5307 Montachusett Regional Transit Authority	113304	CONSTRUCT - BUS PARK&RIDE LOT		\$985,000	\$30,000	\$0	\$0	\$173,000	\$0	\$0	\$1,015,000
	5307 Montachusett Regional Transit Authority	123207	PURCHASE SURVEILL/SECURITY EQUIP		\$12,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$15,000
			REHAB/RENOVATE - MAINTENANCE									
	5307 Montachusett Regional Transit Authority	114402	FACILITY		\$72,000	\$18,000	\$0	\$0	\$0	\$0	\$0	\$90,000
	5307 Montachusett Regional Transit Authority	300901	UP TO 50% FEDERAL SHARE		\$1,486,770	\$0	\$0	\$0	\$0	\$1,486,770	\$0	\$2,973,540
	5307 Montachusett Regional Transit Authority	114211	ACQUIRE - SUPPORT VEHICLES		\$80,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$100,000
			REHAB/RENOVATE - ADMINISTRATIVE									
	5307 Montachusett Regional Transit Authority	114401	FACILITY		\$96,000	\$24,000	\$0	\$0	\$0	\$0	\$0	\$120,000
			Transit Enhancements: Bus Shelter									
	5307 Montachusett Regional Transit Authority	119402	Improvements		\$16,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$20,000
			Rehab/Renovation: Admin/Maintenance									
	5307 Montachusett Regional Transit Authority	114403	Facility		\$140,000	\$35,000	\$0	\$0	\$0	\$0	\$0	\$175,000
<b>5309</b>				<b>Subtotal</b>	<b>\$2,887,770</b>	<b>\$134,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$173,000</b>	<b>\$1,486,770</b>	<b>\$0</b>	<b>\$4,508,540</b>
				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>5310</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>5311</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	5311 Montachusett Regional Transit Authority	300902	SLIDING SCALE (5311 OR 5310 PILOT ONLY)		\$36,202	\$0	\$0	\$0	\$0	\$36,202	\$0	\$72,404
<b>5337</b>				<b>Subtotal</b>	<b>\$36,202</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$36,202</b>	<b>\$0</b>	<b>\$72,404</b>
				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>5339</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Other Federal</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Other Non-Federal</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Other Non-Federal	Montachusett Regional Transit Authority	134220	PURCHASE - MISC EQUIPMENT (VTCL)		\$0	\$25,191	\$0	\$0	\$0	\$0	\$0	\$25,191
Other Non-Federal			Purchase - Replacement: Buses - 2 Hybrid									
	Montachusett Regional Transit Authority	111315	Electric		\$0	\$200,600	\$0	\$0	\$0	\$0	\$0	\$200,600
				<b>Subtotal</b>	<b>\$0</b>	<b>\$225,791</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,791</b>
				<b>Total</b>	<b>\$2,923,972</b>	<b>\$359,791</b>	<b>\$0</b>	<b>\$0</b>	<b>\$173,000</b>	<b>\$1,522,972</b>	<b>\$0</b>	<b>\$4,806,735</b>

**Transportation Improvement Program (TIP)  
Project List (FY2015)**

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ITCCAP	TDC	SCA	Local Funds	Total Cost
5307	5307 Montachusett Regional Transit Authority	111215 Purchase - Replacement: Vans (10)		2014	\$440,000	\$110,000	\$0	\$0	\$0	\$0	\$0	\$550,000
	5307 Montachusett Regional Transit Authority	114211 ACQUIRE - SUPPORT VEHICLES		2014	\$80,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$100,000
	5307 Montachusett Regional Transit Authority	114220 ACQUIRE - MISC SUPPORT EQUIPMENT		2014	\$200,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$250,000
		PURCHASE BICYCLE ACCESS, FACIL & EQUIP										
	5307 Montachusett Regional Transit Authority	119206 ON BUSES			\$240,000	\$60,000	\$0	\$0	\$0	\$0	\$0	\$300,000
	5307 Montachusett Regional Transit Authority	113404 REHAB/RENOVATE - BUS PARK & RIDE LOT		2014	\$200,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$250,000
		REHAB/RENOVATE - ADMIN/MAINT										
	5307 Montachusett Regional Transit Authority	114403 FACILITY		2014	\$240,000	\$60,000	\$0	\$0	\$0	\$0	\$0	\$300,000
	5307 Montachusett Regional Transit Authority	113402 REHAB/RENOVATE - BUS STATION		2014	\$180,000	\$45,000	\$0	\$0	\$0	\$0	\$0	\$225,000
	5307 Montachusett Regional Transit Authority	300901 UP TO 50% FEDERAL SHARE			\$1,155,038	\$0	\$0	\$0	\$0	\$1,155,038	\$0	\$2,310,076
				<b>Subtotal</b>	<b>\$2,735,038</b>	<b>\$395,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,155,038</b>	<b>\$0</b>	<b>\$4,285,076</b>
5309				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
5310				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
5311				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
5337				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
5339				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Federal				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Federal				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
				<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
				<b>Total</b>	<b>\$2,735,038</b>	<b>\$395,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,155,038</b>	<b>\$0</b>	<b>\$4,285,076</b>

**Transportation Improvement Program (TIP)  
Project List (FY2016)**

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ITCCAP	TDC	SCA	Local Funds	Total Cost
<b>5307</b>												
5307	Montachusett Regional Transit Authority	111301	Purchase - Expansion: Buses (3)	2015	\$940,000	\$235,000	\$0	\$0	\$0	\$0	\$0	\$1,175,000
5307	Montachusett Regional Transit Authority	111215	Purchase - Replacement: Vans	2015	\$440,000	\$110,000	\$0	\$0	\$0	\$0	\$0	\$550,000
5307	Montachusett Regional Transit Authority	114220	ACQUIRE - MISC SUPPORT EQUIPMENT REHAB/RENOVATE - MAINTENANCE		\$320,000	\$80,000	\$0	\$0	\$0	\$0	\$0	\$400,000
5307	Montachusett Regional Transit Authority	114402	FACILITY	2015	\$40,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$50,000
5307	Montachusett Regional Transit Authority	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT	2015	\$40,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$50,000
5307	Montachusett Regional Transit Authority	300901	UP TO 50% FEDERAL SHARE		\$1,163,588	\$0	\$0	\$0	\$0	\$1,163,588	\$0	\$2,327,176
				<b>Subtotal</b>	<b>\$2,943,588</b>	<b>\$445,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,163,588</b>	<b>\$0</b>	<b>\$4,552,176</b>
<b>5309</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>5310</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>5311</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>5337</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>5339</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Other Federal</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Other Non-Federal</b>				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
				<b>Total</b>	<b>\$2,943,588</b>	<b>\$445,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,163,588</b>	<b>\$0</b>	<b>\$4,552,176</b>

**Transportation Improvement Program (TIP)  
Project List (FY2017)**

FTA Program	Transit Agency	FTA Activity Line Item	Project Description	Carryover or Earmark Detail	Federal Funds	RTACAP	MAP	ITCCAP	TDC	SCA	Local Funds	Total Cost
5307												
	5307 Montachusett Regional Transit Authority	119402 Shelters	Transit Enhancements: Purchase Additional	2016	\$160,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$200,000
	5307 Montachusett Regional Transit Authority	116402 REHAB/RENOV COMMUNICATIONS SYSTEM		2016	\$280,000	\$70,000	\$0	\$0	\$0	\$0	\$0	\$350,000
	5307 Montachusett Regional Transit Authority	111215 Purchase - Replacement: Vans		2016	\$800,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
	5307 Montachusett Regional Transit Authority	114406 REHAB/RENOVATE - SHOP EQUIPMENT		2016	\$160,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$200,000
	5307 Montachusett Regional Transit Authority	300901 UP TO 50% FEDERAL SHARE			\$1,272,424	\$0	\$0	\$0	\$0	\$1,272,424	\$0	\$2,544,848
	5307 Montachusett Regional Transit Authority	111202 BUY REPLACEMENT 35-FT BUS			\$640,000	\$160,000	\$0	\$0	\$0	\$0	\$0	\$800,000
				<b>Subtotal</b>	<b>\$3,312,424</b>	<b>\$510,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,272,424</b>	<b>\$0</b>	<b>\$5,094,848</b>
5309				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
5310				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
5311				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
5337				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
5339				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Other Federal				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Other Non-Federal				<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
				<b>Total</b>	<b>\$3,312,424</b>	<b>\$510,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,272,424</b>	<b>\$0</b>	<b>\$5,094,848</b>

**MONTACHUSETT METROPOLITAN PLANNING ORGANIZATION**  
**FFY 2014-2017 TRANSPORTATION IMPROVEMENT PROGRAM**  
**STATEWIDE HIGHWAY ELEMENT (FEDERAL FUNDS)**

<b>FFY 2014</b>	<b>Funding</b>		<b>Estimated Costs</b>	
<b>Project Description</b>	<b>Category</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>
Statewide Infrastructure Program	STP, NHPP	\$12,500,000	\$10,000,000	\$2,500,000
Statewide HSIP Program	HSIP	\$15,111,111	\$13,600,000	\$1,511,111
Statewide Safe Routes to School Program	STP, TAP	\$5,567,304	\$5,200,000	\$367,304
Statewide CMAQ	CMAQ	\$24,125,000	\$19,300,000	\$4,825,000
Statewide Transportation Enhancements	STP, TAP	\$12,500,000	\$10,000,000	\$2,500,000
Statewide Recreational Trails	STP, TAP	\$1,000,000	\$800,000	\$200,000
Statewide ITS	CMAQ, STP	\$15,700,000	\$12,560,000	\$3,140,000
Statewide Design and Right of Way		\$0	\$0	\$0
Statewide Interstate Maintenance Program	NHPP	\$52,020,000	\$46,818,000	\$5,202,000
Statewide NHS Preservation Program	NHPP	\$42,500,000	\$34,000,000	\$8,500,000
Statewide Railroad Grade Crossing	STP	\$10,000,000	\$8,000,000	\$2,000,000
Statewide Transit	CMAQ	\$0	\$0	\$0
Statewide Stormwater Retrofits		\$1,500,000	\$1,200,000	\$300,000
Statewide ADA Implementation Plan		\$0	\$0	\$0
Statewide Bridge Maintenance Program	NHPP	\$10,000,000	\$8,000,000	\$2,000,000
Statewide Bridge Replac/Rehab Program	NHPP, STP Off	\$99,175,000	\$79,340,000	\$19,835,000
Statewide Bridge Inspection		\$6,250,000	\$5,000,000	\$1,250,000
		<b>\$307,948,415</b>	<b>\$253,818,000</b>	<b>\$54,130,415</b>

<b>FFY 2015</b>	<b>Funding</b>		<b>Estimated Costs</b>	
<b>Project Description</b>	<b>Category</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>
Statewide Infrastructure Program	STP, NHPP	\$0	\$0	\$0
Statewide HSIP Program	HSIP	\$18,666,667	\$16,800,000	\$1,866,667
Statewide Safe Routes to School Program	STP, TAP	\$6,500,000	\$5,200,000	\$1,300,000
Statewide CMAQ	CMAQ	\$12,750,000	\$10,200,000	\$2,550,000
Statewide Transportation Enhancements	STP, TAP	\$12,500,000	\$10,000,000	\$2,500,000
Statewide Recreational Trails	STP, TAP	\$1,000,000	\$800,000	\$200,000
Statewide ITS	CMAQ, STP	\$12,800,000	\$10,240,000	\$2,560,000
Statewide Design and Right of Way		\$0	\$0	\$0
Statewide Interstate Maintenance Program	NHPP	\$58,535,000	\$52,681,500	\$5,853,500
Statewide NHS Preservation Program	NHPP	\$17,510,000	\$14,008,000	\$3,502,000
Statewide Railroad Grade Crossing	STP	\$1,000,000	\$800,000	\$200,000
Statewide Transit	CMAQ	\$0	\$0	\$0
Statewide Stormwater Retrofits		\$6,000,000	\$4,800,000	\$1,200,000
Statewide ADA Implementation Plan		\$4,000,000	\$3,200,000	\$800,000
Statewide Bridge Maintenance Program	NHPP	\$10,000,000	\$8,000,000	\$2,000,000
Statewide Bridge Replac/Rehab Program	NHPP, STP Off	\$134,750,000	\$107,800,000	\$26,950,000
Statewide Bridge Inspection		\$6,250,000	\$5,000,000	\$1,250,000
		<b>\$302,261,667</b>	<b>\$249,529,500</b>	<b>\$52,732,167</b>



**MONTACHUSETT METROPOLITAN PLANNING ORGANIZATION**  
**FFY 2014-2017 TRANSPORTATION IMPROVEMENT PROGRAM**  
**STATEWIDE HIGHWAY ELEMENT (FEDERAL FUNDS)**  
**(cont.)**

<b>FFY 2016</b>	<b>Funding</b>	<b>Estimated Costs</b>		
<b>Project Description</b>	<b>Category</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>
Statewide Infrastructure Program	STP, NHPP	\$0	\$0	\$0
Statewide HSIP Program	HSIP	\$19,555,556	\$17,600,000	\$1,955,556
Statewide Safe Routes to School Program	STP, TAP	\$6,475,000	\$5,180,000	\$1,295,000
Statewide CMAQ	CMAQ	\$37,500,000	\$30,000,000	\$7,500,000
Statewide Transportation Enhancements	STP, TAP	\$12,500,000	\$10,000,000	\$2,500,000
Statewide Recreational Trails	STP, TAP	\$1,000,000	\$800,000	\$200,000
Statewide ITS	CMAQ, STP	\$13,100,000	\$10,480,000	\$2,620,000
Statewide Design and Right of Way		\$0	\$0	\$0
Statewide Interstate Maintenance Program	NHPP	\$51,100,000	\$45,990,000	\$5,110,000
Statewide NHS Preservation Program	NHPP	\$26,700,000	\$21,360,000	\$5,340,000
Statewide Railroad Grade Crossing	STP	\$1,000,000	\$800,000	\$200,000
Statewide Transit	CMAQ	\$0	\$0	\$0
Statewide Stormwater Retrofits		\$5,000,000	\$4,000,000	\$1,000,000
Statewide ADA Implementation Plan		\$4,000,000	\$3,200,000	\$800,000
Statewide Bridge Maintenance Program	NHPP	\$10,000,000	\$8,000,000	\$2,000,000
Statewide Bridge Replac/Rehab Program	NHPP, STP Off	\$82,000,000	\$65,600,000	\$16,400,000
Statewide Bridge Inspection		\$6,250,000	\$5,000,000	\$1,250,000
		<b>\$276,180,556</b>	<b>\$228,010,000</b>	<b>\$48,170,556</b>

<b>FFY 2017</b>	<b>Funding</b>	<b>Estimated Costs</b>		
<b>Project Description</b>	<b>Category</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>
Statewide Infrastructure Program	STP, NHPP	\$0	\$0	\$0
Statewide HSIP Program	HSIP	\$19,444,444	\$17,500,000	\$1,944,444
Statewide Safe Routes to School Program	STP, TAP	\$4,000,000	\$3,200,000	\$800,000
Statewide CMAQ	CMAQ	\$37,500,000	\$30,000,000	\$7,500,000
Statewide Transportation Enhancements	STP, TAP	\$3,125,000	\$2,500,000	\$625,000
Statewide Recreational Trails	STP, TAP	\$1,000,000	\$800,000	\$200,000
Statewide ITS	CMAQ, STP	\$18,000,000	\$14,400,000	\$3,600,000
Statewide Design and Right of Way		\$0	\$0	\$0
Statewide Interstate Maintenance Program	NHPP	\$53,020,000	\$47,718,000	\$5,302,000
Statewide NHS Preservation Program	NHPP	\$24,915,000	\$19,932,000	\$4,983,000
Statewide Railroad Grade Crossing	STP	\$5,000,000	\$4,000,000	\$1,000,000
Statewide Transit	CMAQ	\$0	\$0	\$0
Statewide Stormwater Retrofits		\$5,000,000	\$4,000,000	\$1,000,000
Statewide ADA Implementation Plan		\$4,000,000	\$3,200,000	\$800,000
Statewide Bridge Maintenance Program	NHPP	\$10,000,000	\$8,000,000	\$2,000,000
Statewide Bridge Replac/Rehab Program	NHPP, STP Off	\$84,950,000	\$67,960,000	\$16,990,000
Statewide Bridge Inspection		\$6,250,000	\$5,000,000	\$1,250,000
		<b>\$276,204,444</b>	<b>\$228,210,000</b>	<b>\$47,994,444</b>

## **APPENDIX A – REGIONAL PRIORITIES FOR WHICH FUNDING HAS NOT BEEN IDENTIFIED**

**(For Informational Purposes)**

Please note that the projects listed represent the best available information at the time of compilation. Actual implementation is subject to right of way, design, land taking, local action and/or other issues that could delay project time frames and subsequently advertising and award date

# Appendix Montachusett MPO Transportation Improvement Program

5/13/2013 Draft Released  
x/xx/xxxx MPO Endorsed

MassDOT Project ID ▼	MassDOT Project Description ▼	MassDOT District ▼	Funding Source ▼	Total Programmed Funds ▼	Federal Funds ▼	Non-Federal Funds ▼	Additional Information ▼
<i>The following are a list of projects within the Montachusett Region with unspecified Fiscal Years. They are listed for informational tracking purposes at this time.</i>							
► Federal Aid Target Projects							
601957	ASHBURNHAM- RESURFACING & RELATED WORK ON ROUTE 101	3		\$ 4,500,000	\$ 3,600,000	\$ 900,000	Construction; Preliminary design; Town needs to hold public meetings to determine
606640	AYER- RESURFACING & RELATED WORK ON ROUTE 2A (FITCHBURG ROAD & PARK STREET)	3		\$ 2,400,000	\$ 1,920,000	\$ 480,000	Project Info Est Cost = \$2,400,000 9as of 4/10/13); Resurfacing; Prelim Design; TEC 35 of 100;
604961	CLINTON- RESURFACING & RELATED WORK ON ROUTE 110 (HIGH STREET)	3		\$ 1,200,000	\$ 960,000	\$ 240,000	Construction; TEC 36 of 100; Prelim Design.
606420	FITCHBURG- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 2A (LUNENBURG STREET) & JOHN FITCH HIGHWAY	3		\$ 1,800,000	\$ 1,440,000	\$ 360,000	Total Cost = \$1,800,000 (as of 4/10/13); Highway Reconstruction/Restoration &
601965	GROTON- PEPPERELL- TOWNSEND- RESURFACING & RELATED WORK ON ROUTE 119	3		\$ 5,000,000	\$ 4,000,000	\$ 1,000,000	Construction; State needs a designer; NHS eligible; Need to break out by town due to
605393	HARVARD- LANCASTER- RECONSTRUCTON & WIDENING ON ROUTE 2 RAMPS @ 35, 36 & 38	3		\$ 2,246,400	\$ 1,797,120	\$ 449,280	MassDOT designer on board; possible HSIP; estimate \$2,246,400 (as of 4/10/13);
601366	HARVARD- RESURFACING & RELATED WORK ON ROUTE 110 (STILL RIVER ROAD) FROM BOLTON T.L. TO ROUTE	3		\$ 3,000,000	\$ 2,400,000	\$ 600,000	Construction; TEC 21 of 100; Prelim Design.
606435	HUBBARDSTON- RESURFACING AND RELATED WORK ON ROUTE 68, FROM WILLIAMSVILLE ROAD TO THE RUTLAND T.L.	3		\$ 3,300,000	\$ 2,640,000	\$ 660,000	Preliminary design; Could be book job if exclude town center; Construction; TEC 24 of 100; Prelim Design.
604499	LEOMINSTER- RESURFACING AND RELATED WORK ON ROUTE 12 (CENTRAL STREET)	3		\$ 1,440,000	\$ 1,152,000	\$ 288,000	Project Info Est Cost = \$1,440,000; Resurfacing; Prelim Design; MassDOT to design; TEC 37 of 100;
102710	WINCHENDON- RECONSTRUCTION OF GLENALLEN STREET (ROUTE 202) FROM MAPLE STREET INTERSECTION TO RINDGE, N.H. STATE LINE	2		\$ 5,871,004	\$ 4,696,803	\$ 1,174,201	Total Est Cost = \$5,871,004 as of 4/10/13; Construction; 75 to 100% Design on 1/6/09 - Revisions Needed as of 4/12/12; TEC 17 of
607252	GARDNER - RESURFACING & RELATED WORK ON MATTHEW STREET	3		\$ 1,000,000	\$ 800,000	\$ 200,000	Preliminary design; city to design; could be book job; estimate \$1,000,000 (as of 4/10/13); TEC 10 of 100;
607260	PETERSHAM - RESURFACING & RELATED WORK ON ROUTE 122, FROM S. MAIN STREET TO THE NEW SALEM	2		\$ 4,680,000	\$ 3,744,000	\$ 936,000	MassDOT in house design; estimate \$4,680,000 (as of 4/10/13); TEC 11 of 100;
607321	TEMPLETON - RESURFACING & RELATED WORK ON A SECTION OF ROUTE 68 FROM THE GARDNER CITY LINE TO	3		\$ 2,007,560	\$ 1,606,048	\$ 401,512	Preliminary design; MassDOT in house design; TEC ## of 100;
607324	LANCASTER - INSTALLATION OF SEWER LINE & BATHROOM RETROFIT ON ROURE 2 (WB) REST AREA	3		\$ -	\$ -	\$ -	ProjectInfo Cost Est = \$0.00
603513	GARDNER - BRIDGE REPLACEMENT, G-01-008, PLEASANT STREET OVER THE B&M RAILROAD	3	BR-On	\$ 1,729,200	\$ 1,383,360	\$ 345,840	100% Design (as of 5/1/13 ProjectInfo)
602587	WESTMINSTER- BRIDGE REPLACEMENT, W-28-017, ROUTE 12 (ASHBURNHAM ROAD) OVER PHILLIPS BROOK	3	BR-On	\$ 1,440,000	\$ 1,152,000	\$ 288,000	25% Design (as of 3/15/13 ProjectInfo)
606301	ASHBY - BRIDGE REPLACEMENT, A-12-006, TURNPIKE ROAD OVER TRAPFALL BROOK	3	BR-Off	\$ 1,800,000	\$ 1,440,000	\$ 360,000	Preliminary Design (as of 5/1/13 ProjectInfo)
605094	FITCHBURG - BRIDGE BETTERMENT, F-04-003, STATE ROUTE 31 OVER PHILLIPS BROOK	3	BR-On	\$ 3,065,040	\$ 2,452,032	\$ 613,008	Preliminary Design (as of 5/1/13 ProjectInfo)
400102	ATHOL- BRIDGE REPLACEMENTS, BR# A-15-009 CHESTNUT HILL AVENUE (ROUTE 32) OVER THE MILLER'S RIVER & A-	2		\$ 1,500,000	\$ 1,200,000	\$ 300,000	Preliminary Design (as of 5/1/13 ProjectInfo)
603727	ATHOL- ORANGE- BRIDGE REPLACEMENT, A-15-017=O-03-001, LOGAN ROAD OVER THE EAST BRANCH OF THE TULLY RIVER	2		\$ 1,248,000	\$ 998,400	\$ 249,600	Project Info Est Cost = \$1,248,000; Prelim Design.
605296	FITCHBURG- BRIDGE PRESERVATION, F-04-011, CIRCLE STREET OVER NORTH NASHUA RIVER	3		\$ 2,586,600	\$ 2,069,280	\$ 517,320	Project Info Est Cost = \$2,586,600; Prelim Design.
604636	HUBBARDSTON- BRIDGE REPLACEMENT, H-24-021, STATE ROUTE 62 OVER WEST BRANCH OF THE WARE RIVER	3		\$ 1,716,480	\$ 1,373,184	\$ 343,296	Project Info Est Cost = \$1,716,480; Bridge Replacement; Prelim Design.

## Appendix Montachusett MPO TIP Summary

TIP Section 1: ▼ TIP Section 2: ▼ Total of All Projects ▼

		Total ►	\$ 53,530,284	\$ 42,824,227	\$ 10,706,057	◀ Total Spending in Region
<p>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: <a href="http://www.massdot.state.ma.us/Highway/flaggers/main.aspx">http://www.massdot.state.ma.us/Highway/flaggers/main.aspx</a></p>						