



TRANSPORTATION IMPROVEMENT PROGRAM



FFY 2012 - 2015

**METROPOLITAN PLANNING ORGANIZATION
PIONEER VALLEY REGION, MASSACHUSETTS**

September 2011

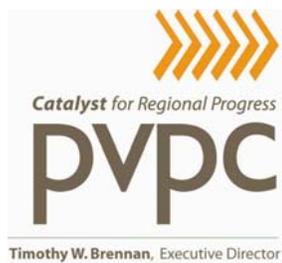
Amended June 2012

TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

2012 - 2015

FOR THE
METROPOLITAN PLANNING ORGANIZATION
PIONEER VALLEY REGION,
MASSACHUSETTS

Endorsed August 30, 2011



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PREFACE

The Pioneer Valley Region

The Pioneer Valley Region is comprised of 43 cities and towns covering approximately 1,180 square miles. Home to over 600,000 residents, the Pioneer Valley is the fourth largest metropolitan area in New England. The following map references the Pioneer Valley Region and displays an outline of the principle highways throughout.

TIP Format and MPO Endorsement

The FFY 2012-2015 TIP has been prepared with completely separate components of the document that are subject to federal review and approval and components that are not. This distinction of a “federal component” was the firm position of the Massachusetts Department of Transportation (MassDOT) as a means to avoid potential problems with adequately satisfying federal financial constraint requirements with the non-federal aid component of the TIP. Although a non-federal component of the TIP is represented, it is understood that this component is not subject to Metropolitan Planning Final Rule 23 CMR 450 section 324, therefore federal review and approval is not required.

The non-federal component is provided for the benefit of the MPO and the constituent communities as a representation of an agreed upon listing of improvement projects to be undertaken entirely with state provided resources. All projects included in the NFA section of the TIP must be eligible to receive federal funds and be located on a functionally classified road. The separation of federal aid projects from non-federal aid projects by no means represents a lack of commitment by the state to fund all projects specifically programmed in the document. Assuming that adequate funds are available from federal and/or state sources, it can be fully expected that the following project listings can and will be implemented over the FFY 2009-2012 time frame. Pending federal guidance approving the inclusion of non-federal aid projects without secured bonded resources in each year, the TIP will be amended to reinstate all non-federal aid projects into the document endorsed for federal review and approval.

MassDOT Commitment to Funding all Designed and Permitted Projects

The MassDOT has committed to funding all transportation improvement projects that will be ready for advertisement in FFY 2012 and beyond. In response to this commitment, Pioneer Valley local officials in cooperation with regional and state officials from the MassHighway department and MassDOT have made a concerted effort to develop a TIP project listing that is truly representative of the projects that will realistically be ready for advertisement in FFY 2012. Funding targets for the Pioneer Valley Region have been issued by MassDOT identifying potential resources for each year of the TIP.

I. GENERAL SUPPORT INFORMATION

INTRODUCTION

The Transportation Improvement Program (TIP) is a requirement of the Metropolitan Transportation Planning Process as described in the Metropolitan Planning Final Rule 23 CFR 450 section 324. This regulation developed by the Federal Department of Transportation defines the Transportation Improvement Program as:

“A staged, multiyear, intermodal program of transportation projects which is consistent with the metropolitan transportation plan.”

The Pioneer Valley TIP is a four-year schedule of projects identified by year and location complete with funding source and cost. The TIP is developed annually and is available for amendment and adjustment at any time. Each program year of the TIP coincides with the Federal Fiscal Year calendar, October 1 through September 30. All TIPs and amendments are consistent with the goals and objectives of the Regional Transportation Plan for the Pioneer Valley region. This TIP is financially constrained.

All projects in the TIP come from the conforming 2012 Regional Transportation Plan. All regionally significant projects included in the TIP were previously included in the air quality analysis completed for the conforming RTP. Because projects in the TIP come from the conforming RTP, and all regionally significant RTP projects for 2012 through 2015 (both Federal and Non-Federal Aid) are programmed in the TIP, the same air quality analysis utilized for the RTP can be used for the TIP. Therefore, this TIP, in combination with the TIPs from the other MPOs in the nonattainment area, is found to be in conformance.

DEVELOPMENT OF THE TIP

The Pioneer Valley Metropolitan Planning Organization (MPO) is responsible for developing the TIP. The MPO is comprised of ten members including four independently operating agencies and six locally elected officials:

Massachusetts Department of Transportation (MassDOT);

MassDOT Highway Division (MHD);

Pioneer Valley Transit Authority (PVTA); and

Pioneer Valley Planning Commission (PVPC);

Mayor of Chicopee

Mayor of Springfield;

Mayor of Northampton

Mayor of West Springfield

Selectboard member from Belchertown;

Selectboard member from Hatfield;

As the lead planning agency for the MPO, the PVPC accepts the responsibility for developing the TIP in a cooperative process with members of the MPO and the general public. The final TIP is voted on for endorsement at a formal meeting of the MPO. The endorsed TIP project listing is

included in the State Transportation Improvement Program (STIP) verbatim and requires endorsement by the Governor.

The MPO relies on a transportation advisory committee to carry out the cooperative process during TIP development. The Joint Transportation Committee (JTC) is a group of community appointed officials, MPO member representatives, public and private transportation providers, citizens, and special interest groups and agencies. The JTC establishes and recommends to the MPO procedures for submitting, prioritizing and selecting projects for the TIP. PVPC staff provides the technical support to conduct the TIP development activities for the JTC.

Below is a general outline of steps taken during the TIP development process.

Project proponents (communities, MPO members, agencies) submit projects through the process outlined in Chapter 2 of the Massachusetts Project Development & Design Guidebook (2006)

Projects are prioritized based on an evaluation criteria by MPO staff, JTC representatives, and MHD staff, and MassDOT staff at a posted meeting open to all.

The State (thru MassDOT) provides funding targets for all 13 Regional Planning Agencies in Massachusetts.

JTC reviews and recommends project by Transportation Evaluation Score (TEC) and readiness to the MPO

Draft TIP project listings are prepared by the MPO staff and distributed for review and comment to MPO members

MPO meets to make final decisions on the composition of the TIP and to recommend the Draft TIP for general public release as required by the MPO Public Participation Plan for the Pioneer Valley Region

Final Draft TIP is distributed for review, consultation and comment in accordance with the adopted MPO Public Participation Plan

Public meetings and news releases are conducted to promote public involvement and consultation.

Comments are compiled and addressed where appropriate

Final TIP developed for the JTC's consideration and their recommendation to MPO

MPO meets to vote on final adjustments and endorsement of the TIP

Endorsed Regional TIPs are compiled by MassDOT to create the STIP

Secretary and CEO of MassDOT endorses the STIP (on behalf of the Governor) and submits the STIP to federal agencies for review and approval

Federally approved STIP is ready for state implementation (project advertisement)

Amendments and adjustments to the TIP are made on an as needed basis with the additional public review and input for formal amendments only.

CONGESTION MANAGEMENT PROCESS (CMP)

The Pioneer Valley Congestion Management Process (CMP) formerly the Congestion Management System (CMS) is an on-going, systematic process designed to improve transportation in the region by providing up to date information on the location, severity and extent of congested corridors and intersections. Findings of the CMP report are used to assist in the selection of projects to be Prioritized for TIP consideration, as well as assist in the prioritization of projects to be included in this document.

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>

PROJECT PRIORITY CRITERIA AND SELECTION

The MassDOT developed a process and set of criteria to prioritize the region's TIP projects which was modified and endorsed by the MPO. All projects included in the TIP have been evaluated and assigned a priority value or rating (See Appendix D). This process is used as a management tool to identify projects of regional priority and program them accordingly in the TIP.

PRIORITY CRITERIA

The Project Needs Form (PNF) is the first document completed at the start of the project development process. The PNF provides sufficient material to understand the transportation need(s), and results in one of the following three outcomes:

- Verification of the problem, need, or opportunity to enable it to move forward into design;
- Determination of the level of further project planning warranted; or,
- Dismissal of a project from further consideration and later the Project Information

The next step in the project development process involves summarizing the findings and direction defined in a Project Initiation Form used by the PRC and the MPO for project review and evaluation. The PIF will include the following information to be documented by the proponent:

- Project Type and Description, including locus map

- Summary of Project Planning Process
- Preliminary identification of the Project Category for review and programming purposes
- Definition of the proposed project management responsibility
- Definition of an interagency (including local boards) coordination plan
- Definition of a public outreach plan for the design process
- Project Need Form or Project Planning Report as an attachment
- Transportation Evaluation Criteria as an attachment

The Project Information Form and a detailed outline of the project priority evaluation criteria are presented in Appendix D.

PROJECT SELECTION AND PROGRAMMING

The project priority ratings were applied in conjunction with a project's anticipated advertisement schedule. The funding targets provided by the MassDOT to develop the four-year program of the TIP were applied for each year in order to develop this fiscally constrained document. A project was not considered for scheduling in a year earlier than its anticipated schedule regardless of the priority rating. For projects that are expected to be ready to go in the first year of the TIP the top priority projects for that year were funded under the federal aid categories, since these funds are most secure. Once the federal aid funds were completely programmed, non-federal aid funds were programmed to priority projects. This initial assignment procedure was applied to each year of the TIP and is subject to change as the TIP is developed and refined by members of the MPO and the JTC.

AMENDMENT/ADJUSTMENT OF THE TIP

For the purposes of project selection and programming, amendment or adjustment to the TIP can be conducted at any time. Amendment of the TIP consists of addition of a project not previously programmed, the advancement of a Year 3 project through Year 4 or a significant adjustment to project costs. Amendment requires formal MPO action.

Program adjustments can be conducted without formal MPO action in order to minimize constraints on programming projects. Minor adjustments could include such actions as moving projects between Year 1 and Year 2, and minor fluctuations in project description, costs and funding source. This action can be accomplished through an agreed upon administrative action.

DESCRIPTION OF FUNDING SOURCES

Interstate Maintenance (IM) - Resurfacing, restoration and rehabilitation are eligible activities for maintaining Interstate facilities. Reconstruction is also eligible if it does not add capacity. However, high-occupancy-vehicle (HOV) and auxiliary lanes can be added. Funding: federal - 90 %, state - 10 %.

Surface Transportation Program (STP) - This program is for the maintenance and construction of the federal aid system, all roads other than those functionally classified as local or rural minor collectors. Funds may also be flexed for use on bridge, transit capital, and bike or trail facilities. A minimum amount of 10 percent must be set aside for both safety construction activities and for

transportation enhancements. The remaining STP balance is for use throughout the state. Funding: federal - 80%, state - 20%.

Surface Transportation Program Enhancements (ENHMT) - A portion of the Surface Transportation Program funding for enhancement projects chosen by states and localities. Funding: federal - 80%, state - 20%

Congestion Mitigation and Air Quality Improvement Program (CMAQ) - These funds are directed towards transportation projects and programs which reduce transportation-related emissions. These funds are to assist areas designated as nonattainment and maintenance under the Clean Air Act Amendments of 1990. These projects will contribute to meeting the attainment of National Ambient Air Quality Standards (NAAQS). Funding: federal - 80%, state - 20%.

Bridges (BR) - Funds the replacement or repair of structurally deficient or unsafe bridges in urban and rural areas. All bridges, both on and off the federal aid roadway system are eligible for funding. Funding: federal - 80%, state - 20%.

National Highway System (NHS) - The National Highway System (NHS) consists of major roads in the United States, including all Interstate routes, a large percentage of urban and principal arterials, the defense Strategic Highway Network (STRAHNET) and other strategic highway connectors. Typically, these facilities qualify for an 80 percent federal share, however, projects on Interstates may qualify for up to 90 percent federal share funds. Funding: federal - 80%, state - 20%.

Other Federal Aid - This category includes projects that received federal funding within the Federal-Aid Program and may include special demonstration project funding. Funding: federal - 80%, state - 20%.

In compliance with FHWA guidelines projects with federal earmarks are only programmed in the FY 2011 to FY 2014 TIP if the total funding is adequate for project implementation. The remaining earmarked projects will be included in appendix z for informational and tracking purposes.

High Priority Projects (HPP) High Priority Projects are congressionally earmarked projects that have been deemed as a high priority for the state where the project is located. Funding: federal - 80%, state - 20%

Section 115 Funds Included in the Transportation bill as congressional earmarks, each year the earmarks are given a designated funding category. In FFY2005 the funding designation for these projects was Section 115 Funds. Funding: federal - 100%, state - 0%

Section 117 Funds Included in the Transportation bill as congressional earmarks, each year the earmarks are given a designated funding category. In FFY2006 the funding designation for these projects was Section 117 Funds. Funding: federal - 100%, state - 0%

Section 129 Funds Congressional Earmarks for FFY 2008. Funding: federal - 100%, state - 0%

Section 125 Funds Congressional Earmarks for FFY 2009. Funding: federal - 100%, state - 0%

Non-Federal Aid (NFA) - This funding category contains all those projects not receiving federal funds. Various categories of state funding are included in this group including bikeways, State Aid (Chapter 90), and highway construction and maintenance (Chapter 497). This category is included in the TIP for informational purposes only. Funding: federal - 0 %, state - 100 %.

Section 5309 Capital (SEC.09) - A discretionary grant program funding capital projects in urban areas that are considered major capital investments in public transportation and facilities. Funding: Federal - 80%, State - 20%

Section 5307 Capital (SEC. 07-CAP) - Eligible projects for Section 5307 (Capital) funds include the planning, acquisition, construction, improvement and operating costs of facilities, equipment, and associated capital maintenance items for use in providing mass transit service. The Federal match for Planning and/or capital assistance under Section 5307 is 80 percent of the net project cost, but a recipient is permitted to provide additional local match at its option. There are three exceptions to 80 percent Federal match for capital projects:

1. Air Quality Benefit. If an air quality benefit can be forecast for a project such as a bus purchase, the federal match is 90 percent. Larger state and local matches are allowed.
2. Elderly and Disabled Projects. The federal match is 95 percent for any element of a capital project intended exclusively to enhance the accessibility and mobility of elderly and disabled persons and that is in excess of Federal requirements. All FTA-funded projects must be designed and implemented to meet the basic accessibility or mobility needs of elderly and disabled persons.
3. Additional Service. Capital expenditures for the increase in service can be funded with a 90% federal match.

Section 5307 Operating (SEC. 07-OPR) - Funds allocated under this category may be used to fund up to 50 percent of the operating cost associated with the provision of public mass transportation systems in urbanized areas.

Section 5310 - Section 10 pertains to transportation facilities meeting special needs of the elderly and disabled. Funds allocated under Section 16(b)(2) provide private non-profit corporations and associations with grants and loans to improve the mobility of the elderly and disabled. In Massachusetts, 16(b)(2) funds are administered at the state level by the MASSDOT. These funds typically are used for the purchase of capital items, including lift-equipped vans. Mobility Assistance Program (MAP) funds are intended for use by public agencies, such as municipal councils on aging and the PVRTA to provide van service to elderly and/or disabled persons.

Section 5311 - These funds are made available exclusively for public transportation projects outside the urbanized areas. Both capital and operating expenses are eligible.

Section 20 - Section 20 provides financial assistance for projects which address the human resource needs and conditions of the public transit industry. The federal share of eligible capital and project administrative expenses is not to exceed 80 percent of the net cost of the project. The federal share for state administration and technical expenses is 100 percent, not to exceed 15 percent of the state's total apportionment.

TRANSPORTATION SYSTEM OPERATING AND MAINTENANCE COSTS

The FFY 2012-2015 TIP is consistent with the Regional Transportation Plan (RTP) for the Pioneer Valley Region. Tables 1 and 2 presents the estimates outlined in the RTP of annual expenditures associated with operating and maintaining the transportation system. These estimates represent past expenditures and do not reflect costs associated with maintaining a constant level of system performance.

Table 1 Transportation Operating and Maintenance Expenditures

Total Available for Programming in the Pioneer Valley RTP	2012 - 2015	2016 - 2020	2021 - 2025	2026 - 2030	2031-2035	GRAND TOTAL
	Total	Total	Total	Total	Total	Total
	\$339,286,000	\$402,127,000	\$559,458,000	\$682,197,000	\$790,853,000	\$2,773,921,000
<i>Major Infrastructure Projects</i>	\$17,593,000	\$23,645,000	\$35,722,000	\$43,648,000	\$50,600,000	\$171,208,000
<i>Federal Aid Bridge Projects</i>	\$83,520,000	\$92,020,000	\$137,690,000	\$167,964,000	\$194,716,000	\$675,910,000
<i>NHS/IM Projects</i>	\$44,597,000	\$47,792,000	\$71,737,000	\$87,557,000	\$101,503,000	\$353,186,000
<i>Statewide Maintenance</i>	\$116,673,000	\$119,016,000	\$144,834,000	\$170,450,000	\$197,499,000	\$748,472,000
<i>Regional Discretionary Funding</i>	\$76,903,000	\$119,654,000	\$169,474,000	\$212,578,000	\$246,436,000	\$825,045,000
Total of Regional Discretionary and Major Infrastructure	\$94,496,000	\$143,299,000	\$205,196,000	\$256,226,000	\$297,036,000	\$996,253,000

Source: Regional Transportation Plan, updated 2012

Table 2 Transit Operating and Maintenance Expenditures

	2012-2016	2017-2021	2022-2026	2027-2031	2032-2036	TOTAL
State Contract Assistance	\$86,740,473	\$82,703,345	\$82,703,345	\$99,244,014	\$82,703,345	\$434,094,522
Local Assessments	\$36,233,817	\$40,995,238	\$46,382,349	\$52,477,371	\$59,373,329	\$235,462,104
5307 Federal Urbanized Area Formula	\$60,423,930	\$70,047,895	\$81,204,709	\$94,138,514	\$109,132,338	\$414,947,386
5310 Federal Elderly & Disabled	\$2,241,520	\$2,596,747	\$3,005,991	\$3,481,331	\$4,032,407	\$15,357,996
5311 Federal InterCity Bus Program	\$3,832,915	\$4,440,550	\$5,143,370	\$5,958,004	\$6,902,350	\$26,277,189
5316 Federal JARC Program	\$1,875,643	\$2,166,000	\$2,496,000	\$2,878,000	\$3,322,000	\$12,737,643
5317 Federal New Freedom Program	\$1,243,108	\$1,435,000	\$1,651,000	\$1,901,000	\$2,193,000	\$8,423,108
Farebox	\$34,140,525	\$38,626,871	\$43,702,759	\$49,445,660	\$55,943,226	\$221,859,040
Advertising, other revenue	\$5,525,631	\$7,052,261	\$9,000,671	\$11,487,391	\$14,661,145	\$47,727,099
Available for Programming in Pioneer Valley RTP	\$232,257,563	\$250,063,907	\$275,290,194	\$321,011,284	\$338,263,139	\$1,416,886,088

	2012-2016	2017-2021	2022-2026	2027-2031	2032-2036	TOTAL
RTACAP & RTAFCAP Programs	\$11,412,595	\$14,864,628	\$16,351,091	\$17,986,200	\$19,784,821	\$80,399,336
RTA Fleet Acquisition Program	\$0	\$545,292	\$749,777	\$824,754	\$907,230	\$3,027,052
ITC CAP Program	\$600,000	\$0	\$0	\$0	\$0	\$600,000
Federal matching grants (80% of project)	\$48,050,380	\$61,639,682	\$68,403,471	\$75,243,818	\$82,768,200	\$336,105,552
TOTAL Transit Capital Funds Available for Programming in Pioneer Valley RTP	\$60,062,975	\$77,049,602	\$85,504,339	\$94,054,773	\$103,460,250	\$420,131,940

Source: Regional Transportation Plan, updated 2012

II. PUBLIC PARTICIPATION SUMMARY AND CHANGES

The DRAFT FFY 2012-2015 TIP underwent a public review and comment period consistent with the Pioneer Valley Metropolitan Planning Organizations Public Participation Process. This began July 29, 2011 and continued for 30 days until August 29, 2011. During this time, comments were received from communities, JTC, PVTA, PVPC, MHD District offices and MassDOT. Below is a summary of the significant changes by year to the Draft TIP as result of the public review and comment period..

	COMMENTS BY	PROJIS	COMMENT	DATE	ACTION
1	MassDOT Planning	Highway TIP	Out Years of TIP are required FHWA to be inflated by 4% per year	7/26/2011	Out years inflated
2	MassDOT Planning	600933	The Great River Bridge earmark has been spent, remove from earmark Appendix	8/1/2011	Project Removed
3	MassDOT Planning	Transit TIP	<p>TIPs and STIP must demonstrate that the documents are financially constrained. The federal reviewing/approving agencies will not approve a TIP/STIP that is not financially constrained. That is, the lists of projects and the associated total cost of these projects do not exceed the amount of federal funding and associated state funding provided. The analysis of the draft transit TIPs were completed with this primary objective.</p> <p>It should be noted that MPO Activities staff populated the revised tables with information provided by each RTA and as presented in the TIP. As a result there may be instances where the information provided in the revised TIP-formatted tables do not reflect what the RTA had intended to program. This email and associated comments are to inform the MPO staffs and the RTAs of possible irregularities or inconsistencies related to the programming of federal transit and state funding. RTAs and MPO staffs should work toward resolving these possible irregularities during the comment period so that a clear, financially constrained transit element of the FFY2012-2015 TIP may be endorsed by the MPO membership at the follow up MPO meeting.</p>	8/3/2011	Comments noted Transit TIP will be reviewed
4	John Trickey Chairman Pelham Finance Committee	601154	I just learned that the reconstruction of Amherst Road in Pelham, MA is in jeopardy. This is hard to comprehend as the Town has spent \$280,000 and climbing over the last 16 years in support, has completed the land swaps and resolved all the road layout issues, along with a myriad of engineering and environment concerns. The Towns people have been kept apprised of the progress at every Annual May Town Meeting in the last 16 years and the frustration of the postponements and delays was finally removed when we were told that the project would begin in the Spring of 2012. I did not attend the recent meeting as I had a full expectation that	8/9/2011	Comment Noted

			<p>this was set to happen.</p> <p>Amherst Road is major connector from students and truckers from route 202 to Amherst and Route 9 west. The Town has held back on maintenance and patched the pieces together with the full expectation that this project will happen. The Townspeople of Pelham are expecting this to move forward as we have waited long enough. What is needed to keep this on schedule.</p>		
5	andy and debora lichtenberg 2 belchertown road pelham ma 01002	601154	<p>I understand that the long planned Amherst Road Reconstruction Project in Pelham has been canceled. I was a Selectman when this project was initially supposed to happen in 1996, and I have served over the following 15 years on the Finance Committee and as Town Clerk.</p> <p>This is a much needed project, as it has always been. The drainage systems on Amherst Road continue to deteriorate every year the point of hazard for drivers and homeowners. The Town has tried to maintain the basic paving of the road over these past years with their limited highway budget always counting on the fact that the money and design had (or soon would be) approved for this essential project.</p> <p>It is extremely disheartening to find that the PVPC has canceled this infrastructure project. Amherst Road through Pelham is a heavily used thoroughfare and an ongoing driving risk. I would add my voice to those others who are writing and calling you to urge you to reconsider this decision.</p>	8/9/2011	Comment Noted
6	Mark Cherrington Pelham resident	601154	<p>It is my understanding that the Transportation Committee last night voted to cancel funding for a proposed improvement of Pelham Road in Amherst. I'm writing today to ask you to reconsider that decision. That stretch of road has been deteriorating badly for several years, and another winter will likely make it impassable. Last winter I had to replace three tires on my car because of the potholes on that road, and I know many other Pelham residents who have told me the same thing. But it's more than simply a matter of the expense we residents suffer--though that's bad enough---the larger problem is that to avoid the dangerous potholes, drivers are forced to swerve into the oncoming lane of traffic, endangering themselves and other drivers. And since this is a major through road for people coming from Boston and points north, those problems are quite serious.</p> <p>I understand only too well how dire the economic situation is, and I'm sure the commission is already being pressured from many sides, but this really is becoming a major safety issue, and I hope you will be able to find the money to correct the problem. Thank you for your consideration.</p>	8/9/2011	Comment Noted
7	Judith Eiseman	601154	I know there are some who are hoping to have the	8/9/2011	Comment

			Amherst Road plan move forward. I want to register an opposing view: Given the push for Amherst to construct a sewer line along the road and the utter lack of planning and zoning for the fall out from a sewer in terms of development probability in Pelham, I think delaying the road construction makes a good amount of sense unless the Planning Board and others can get their act together in support of limiting sewers to an historical or sewer district which is yet to be proposed and/or approved. Thanks for your attention. I am quite certain that I speak for a number of people in town but who may be unable to be present at the August 30 Meeting		Noted
8	JTC	Highway	IF Agawam is determined to be HSIP eligible move South Hadley (606471) Route 202 in to section 1A for \$1,000,000	8/10/2011	Project Moved
9	JTC	606045	Move Holyoke Intersection of Lower Westfield Road and Homestead Ave from 2014 HSIP to 2013 HSIP with the understanding that Holyoke is responsible for any cost overages	8/10/2011	Project Moved
10	PVPC	605815	Adding 4% per year inflation factor has caused FFY 2013 to become significantly over programmed. In order to keep FFY2013 fiscally constrained Westhampton Route 66 will be moved to FFY 2014, decision was made based on TEC Score and project cost	8/10/2011	Project Moved
11	John R. Mullin 206 North Valley Road Pelham, MA 01002	601154	<p>I am writing to you as a citizen of Pelham with a major concern over the decision to deny funding for the Amherst Road revitalization project. I believe the project is long overdue and that, given its importance as a link between Routes 2 and 202 and the Amherst campuses, it is critical to the safe and efficient flow of traffic to points East and North. I also know, as a daily user of the road, that improvements are clearly needed.</p> <p>I fully realize that funding is scarce and that there are needed improvements across the entire valley. However, I would urge you, if at all possible, to reconsider your decision. Further, if it is impossible to fund the entire project, I would urge you to consider "phasing" it.</p> <p>I am a great admirer of the PVPC and your leadership and know that you will do whatever you can to help our small town.</p> <p>With best wishes,</p>	8/23/2011	Comment Noted
12	PVTA		Remove Union Station Carryover at the request of FTA	8/25/2011	Project Removed
13	PVTA		Remove Springfield Storage and Maintenance Facility at the request of FTA	8/25/2011	Project Removed
14	PVTA		Increase SCA by 1% per year and RTA by 8% per year Per MassDOT	8/25/2011	Funding Updated
15	MassDOT		FY2012 TIP has been updated to be consistent with	8/25/2011	TIP

			the formatting, fiscal constraint requirements, financial forecast estimates received from MassDOT Aug. 3, Aug. 16, and Aug. 1		Updated
16	FHWA		As previously requested in the FHWA TIPs/STIP financial guidance, please ensure that the TIP is provided to the Highway Division Environmental Services for their input.	8/24/2011	Comment Noted
17	FHWA		Table of Contents - Transit Project Listing shows a timeframe of 2011-2014, which should be 2012-2015. On Page 1 also shows the timeframe of 2011-2014 and 2009-2012 and please scan the document and edit those dates as well.	8/24/2011	Updated
18	FHWA		Page3 - The text states that the TIP comes from the conforming 2007 RTP, however the document is intended to state that the TIP comes from the conforming 2012 RTP.	8/24/2011	Updated
19	FHWA		Page 11 - Please edit the dates for consistency with the public review and comment period (July 29 to August 29, 2011).	8/24/2011	Updated
20	FHWA		Page 24, Table 3 - Federal Highway Financial Plan. For clarity and in order for FHWA to determine financial constraint, please include two columns that shows total Target funds available (with State match) and total funds programmed (with State match).	8/24/2011	Updated
21	FHWA		Page 28, Table 5 to 12 - Federal AID Regional Project Listings As previously requested through the FHWA TIPs/STIP financial guidance, please indentify all regionally significant projects (if any). It is assumed that most of the funding is for construction. However please identify the phase for projects where design is programmed. For projects that use Advance Construction (AC), it would be helpful to determine the timeframe of the AC. For example AC year 1/2 and AC year 2/2 etc.	8/24/2011	Comment Noted
22	FHWA		Page 66 - Air Quality Conformity Determination (also applies to conformity in the RTP) There are projects in the transportation model that do not appear to be recommended for construction in the RTP Financial Plan. FHWA/FTA had previously commented that only financially viable projects should be modeled and included in the conformity analysis. The Additional "Vermont" passenger rail service and the New Commuter Rail Service: Hartford, CT to Greenfield, MA were not included in the financial plan and therefore are not viable projects.	8/24/2011	Comment Noted
23	FHWA		Also, the Boston Region MPO has a good example that highlights regionally significant projects under construction and those recommended in the financial constrained section of the RTP. Only projects that fall into those two categories should be included in	8/24/2011	Comment Noted

			the model.		
24	MassDOT		Page 27-35 - TIP Tables Please replace the TIP tables with the new standardized format	8/24/2011	Comment Noted
25	MassDOT		<p>Page 28 - Table 5: Federally Funded Projects 2012 Part 1 A</p> <ul style="list-style-type: none"> o No HSIP project is programmed. Please work with District 1 or District 2 and Pioneer Valley Planning Commission (PWCJ communities to identify a Highway safety Improvement Program (HSIPJ project o No Transportation Enhancements funding is programmed. The region risks forfeiting \$378,000 in statewide TE if a project is not Identified. Please also 'work with District 1 and District 2 to identify Transportation Enhancement (TE) eligible project components. Please remember that MassDOT Is Interested in advancing projects within the Bay State Greenway system, and that Transportation Enhancements funding could a valuable resource towards advancing the Bay State Greenway. 	8/24/2011	Comment Noted
26	MassDOT		<p>Page 28 - Table 5: Federally Funded Projects 2012 Part 1C</p> <p>Springfield listing should say "Edwards Street" not Edwars Street"</p> <p>Second Listing of Springfield-Reconstruction of Edwards Street, Spring Street & Elliot Street should have the Project # as 6058 1 7, not 6058 18</p>	8/24/2011	Updated
27	MassDOT		<p>Page 30 - Table 7: Federally Funded Projects 2013 Part 1 A</p> <ul style="list-style-type: none"> o No HSIP project is programmed. Please work with District 1 or District 2 and PVPC communities to identify an HSIP project o 604442 - Please note that the Total Federal Participating Cost (TFPC) is estimated at \$5,353,443. Please update the current TFPC Year of Expenditure inflation estimate to \$5,567,580 and please include the current TFPC cost in the additional information column. o 602486 - Please update the current TFPC Year of Expenditure inflation estimate to \$2,871,408 and please include the current TFPC cost in the additional information column. o 604825 - Please update the current TFPC Year of Expenditure inflation estimate to \$1,300,000 and please include the current TFPC cost in the additional information column. o 605815 - Please update the current TFPC Year of Expenditure inflation estimate to \$1,555,975 and please include the current TFPC cost in the additional information column. o 606375 - Please update the current TFPC Year of Expenditure inflation estimate to \$719,521 and please include the current TFPC cost in the 	8/24/2011	Updated

			<p>additional information column.</p> <ul style="list-style-type: none"> o 602912 - Please note that the TFPC is estimated at \$1,653,500. Please update the current TFPC with Year of Expenditure inflation estimate to \$1,719,640 and please include the current TFPC cost in the additional information column. 		
28	MassDOT		<p>Please reduce <i>Surface</i> Transportation Program (STP) funding and Congestion Mitigation and Air Quality Improvement Program (CMAQ) funding in order to maintain fiscal constraint. The current <i>total</i> amount of programmed STP funds based on Year of Expenditure inflation estimates is now \$11,294,943, which is \$636,797 over the STP allocation for FY 2013. Also, the current total amount of programmed CMAQ Funds based on Year of Expenditure inflation estimates is now \$2,275,496, which is \$113,512 over the CMAQ allocation for FY2013.</p>	8/24/2011	Updated
29	MassDOT		<p>Page 32 - Table 9: Federally Funded Projects 2014 Part 1 A</p> <ul style="list-style-type: none"> o 604433 - Please update the current TFPC Year of Expenditure inflation estimate to \$10,052,757 and please include the current TFPC cost in the additional information column. o 606045 - Please note that the TFPC is estimated at \$1,341,894. Please update the current TFPC Year of Expenditure inflation estimate to \$1,449,244 and please include the current TFPC cost in the additional information column. o 604968 - Please note that the TFPC is estimated at \$2,187,600. Please update the current TFPC Year of Expenditure inflation estimate to \$2,362,608 and please include the current TFPC cost in the additional information column. 	8/24/2011	Updated
30	MassDOT		<p>Page 34 -Table 11 : Federally Funded Projects 2015 Part 1A</p> <ul style="list-style-type: none"> o 604444 - Please note that the TFPC is estimated at \$5,517,984. Please update the current TFPC Year of Expenditure inflation estimate to \$6,180,142 and please include the current TFPC cost in the additional information column. o 60589 1 - Please update the current TFPC Year of Expenditure inflation estimate to \$3,178,702 and please include the current TFPC cost in the additional information column. o 605685 - Please update the current TFK Year of Expenditure inflation estimate to \$1,384,320 and please include the current TFPC cost in the additional information column. o 604035 - Please note that the <i>TFPC</i> is estimated at \$3,038,060. Please update the current TFPC Year of Expenditure inflation estimate to \$3,402,627 and please include the current TFPC cost in the additional information column. 	8/24/2011	Updated
31	MassDOT		Page 47-53 - Transit	8/24/2011	Updated

			<p>o Please update the transit tables with the new transit template provided by the Office of Transportation Planning.</p> <p>o Please also work with the Pioneer Valley Transit Authority to ensure that the transit element of the TIP is in fiscal constraint, Specifically, please address the following: 2012 FTA 5307 funding is over programmed. 2013 FTA 5307 funding is over programmed 2014 FTA 5307 funding is over programmed. It is our understanding that PVTA is working <i>with</i> PVPC to address these issues. However, we <i>have</i> not received the updated information at this time.</p>		
32	VHD	601154	<p>On behalf of the Town of Pelham. Vanasse Hangen Brustlin, Inc. (VHB) hereby, request the Joint Transportation Committee's (JTC) support and concurrence for phasing the Amherst Road Transportation Improvement Project on the Pioneer Valley Region's Draft FFY 2012-2015 Transportation Improvement Program (TIP). VHB is pleased to submit the enclosed information and documentation regarding the Town's request for phasing of the Amherst Road Project with a cost breakdown. The town has invested significant resources on this important project over the past 15 years in close coordination with MassDOT and recently conducted a new Design Public Hearing at MassDOT's direction because greater than 10 years had elapsed since the original public hearing had been held.</p> <p>As you know, the project was recently listed on the FFY 2011-2014 TIP; however, upon release of the Draft FFY 2012-2015 TIP in July of this year, the Amherst Road Project was no longer listed. It was not the town's understanding that the project was in jeopardy for removal given the direction provided by MassDOT with regard to the Public Hearing, the ROW status and additional Environmental Permitting required through the Army Corps of Engineers. The town was in the process of finalizing the temporary easements required to construct the proposed improvements with Gerard Doherty from MassDOT's Right of Way (ROW) Bureau when they were informed by Mr. Doherty that the project was removed from his ROW priority list.</p> <p>District 2 informed the town through an email dated, June 27,2011 (copy attached), to contact their MPO representative which had changed</p>	8/29/2011	Comment Noted

			<p>from prior years. The town is not well versed in this planning process and the town administrator was not aware where to direct the information upon receipt. The Highway Supt., Rick Adamcek, does not receive email directly through the town's Comcast account. When District 2 sent the email to townofpelham@comcast.net, it was received by the town administrator/clerk and printed for the next scheduled Selectmen's meeting. At that time, it was referred to the Highway Supt. for action but the MPO meeting had already been held on July 26" therefore, the town had not contacted their MPO representative to attend the meeting and speak on their behalf.</p> <p>The Town of Amherst is planning a Sewer Main installation from their water treatment plant at Station 50+50 on Amherst Road to the Amherst/Pelham Town Line during the fall/winter of 2011/2012. This work has been coordinated with the Amherst Road project and is scheduled such that the sewer main project will not impede the roadway improvements and vice versa. As such, we have prepared the project phasing to coincide with the sewer main installation project limits; enclosed please find the two construction cost estimates for Amherst Road broken into two phases for consideration on the FFY 2012-2015 TIP as follows: Amherst Town Line to Station 92+00 (\$2.5 mil plus contingencies) Station 92+00 to Route 202 (\$2.6 million plus contingencies)</p> <p>The Amherst Road project is critical to the Town of Pelham's roadway connectivity from Route 202 to Amherst and the Town's stormwater treatment along this major corridor. The permitting of this project originally derailed the schedule back in the 1990's during the Notice of Intent Process with DEP Western Region. Since that time, the Town has voted and recorded a new roadway layout in September 2009 centered on the existing roadway centerline to address the existing roadway falling outside the county right of way aid pursued environmental permitting and final design approval through MassDOT District 2. The Town felt that they were nearing the end of this long process when they were informed that</p>		
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			<p>the project was no longer listed on the Draft FFY 2012-2015 TIP.</p> <p>If you should have any questions or require additional information, please do not hesitate to contact us.</p>		
33	MassDOT Highway Division 2		<p>We have identified the following work eligible for STP-E funding for the following projects on the 2012 Draft TIP</p> <p>82250 Amherst Route 116 Reconstruction at the Notch, provision of facilities for bicycles (Adding bike accommodating shoulders where none exist) \$528,000 (TFPC). This section of Route 116 is an on-road segment of the Baystate Greenway.</p> <p>602653 Agawam Main St, provision of facilities for pedestrians and landscaping - \$606,000 (TFPC) This work is on the Main Street part of the Agawam Bike Loop, the eastern side of the loop is the Agawam Riverwalk, which is part of the Baystate Greenway.</p> <p>1/3 of each of the above amounts will combine to make the \$378,000 available in Statewide TE. District 2 will prepare the actual project estimates accordingly with the STP-E funding broken out.</p>	8/29/2011	Funding will be applied
34	FHWA	Highway	Add earmark FY 2002-TCSP (008), West Springfield, Pioneer Valley Planning Commission to FFY 2012 Section 1C for \$207,459	8/29/2011	Funding Added

In addition to the above changes, the Pioneer Valley Transit Authority requested that the following be included: The Pioneer Valley Transit Authority, the FTA Section 5307(c) applicant, has consulted with the Pioneer Valley Planning Commission and concurs that the TIP satisfies the public hearing requirements that pertain to the development of the Program of Projects for regular Section 5307, Urbanized Area Formula Program, grant application including the provision for public notice and the time established for public review and comment.

For FTA projects that are not routine; i.e. Section 5307 applications that required environmental assessment or an environmental impact statement, the public involvement provided herein for TIP review is not sufficient. Additional public involvement will be required by FTA prior to grant approval, as presented in the joint FHWA/FTR environmental regulations, 23 CFR-Part 771.

The Federal Aid (FA) and Non-Federal Aid (NFA) elements were separated into two components. The FA component of the TIP was endorsed by the MPO and the NFA component is included in the main body of the TIP, however, is not subject to federal planning rules.

III. FEDERAL COMPONENT

PIONEER VALLEY MPO ENDORSEMENT

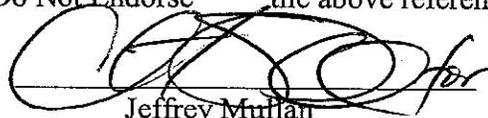
PIONEER VALLEY MPO ENDORSEMENT SHEET

The signatures below signify that all members of the Pioneer Valley Region's Metropolitan Planning Organization, or their designees, have met on August 30, 2011 and discussed the following item for endorsement: The Pioneer Valley Region's Federal Fiscal Years 2012 – 2015 Transportation Improvement Program (TIP).

Massachusetts Department of Transportation (Mass DOT)

I, Secretary of the Massachusetts Department of Transportation, hereby

Endorse Do Not Endorse the above referenced item.

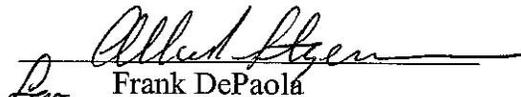

Jeffrey Mullin
Secretary & CEO Mass DOT

30 Aug 11
Date

Massachusetts Department of Transportation Highway Division

I, Acting Administrator of the Highway Division of MassDOT, hereby

Endorse Do Not Endorse the above referenced item.


Frank DePaola
Acting Highway Administrator, Mass DOT

08/30/11
Date

Pioneer Valley Planning Commission (PVPC)

I, Chair of the Pioneer Valley Planning Commission, hereby

Endorse Do Not Endorse the above referenced item.

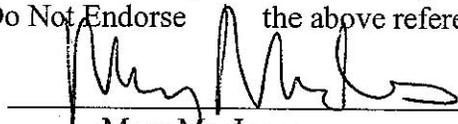

Richard Butler
Chair - PVPC

8/30/11
Date

Pioneer Valley Transit Authority (PVTA)

I, Administrator of the Pioneer Valley Transit Authority, hereby

Endorse Do Not Endorse the above referenced item.


Mary MacInnes
Administrator - PVTA

8/30/11
Date

City of Springfield

I, Mayor of the City of Springfield, hereby

Endorse Do Not Endorse the above referenced item.

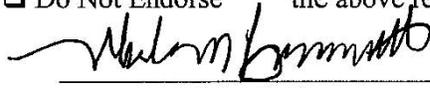
Domenic Sarno
Mayor-Springfield

Date

City of Chicopee

I, Mayor of the City of Chicopee, hereby

Endorse Do Not Endorse the above referenced item.



Michael Bissonnette
Mayor-Chicopee

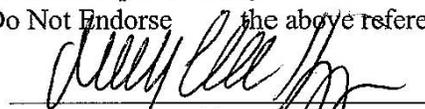
8/30/11

Date

City of Northampton

I, Mayor of the City of Northampton, hereby

Endorse Do Not Endorse the above referenced item.



Mary Clare Higgins
Mayor-Northampton

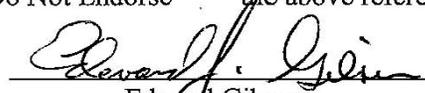
8/30/11

Date

City of West Springfield

I, Mayor of the City of West Springfield, hereby

Endorse Do Not Endorse the above referenced item.



Edward Gibson
Mayor-West Springfield

August 30, 2011

Date

Town of East Longmeadow

I, Board of Selectmen member of the Town of East Longmeadow, hereby

Endorse Do Not Endorse the above referenced item.

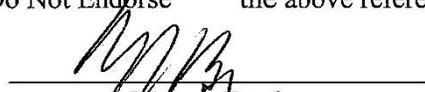
Enrico Villamaino
Selectman-East Longmeadow

Date

Town of Hatfield

I, Board of Selectmen member of the Town of Hatfield, hereby

Endorse Do Not Endorse the above referenced item.



Marcus Boyle
Selectman-Hatfield

30 Aug 11

Date

CERTIFICATION OF THE 3-C PLANNING PROCESS

In accordance with the Metropolitan Planning Final Rule, the Pioneer Valley MPO has completed its review and hereby certifies that the conduct of the 3-C Transportation Planning Process complies with the requirements of CFR 450.334 and includes activities to support the development and implementation of this TIP, the Regional Transportation Plan, and subsequent project development activities, as necessary and to the degree appropriate.

To reinforce this self certification, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) conducted a certification review of the Pioneer Valley MPO planning process in December 2004. The two day on-site review was preceded by a desk audit of the major planning documents completed as part of the planning process. Based on the certification review, the transportation planning process for the Pioneer Valley region was found to substantially meet the requirements of 23 CFR 450 Subpart C and 49 CFR 613.

PIONEER VALLEY MPO ENDORSEMENT SHEET

The signatures below signify that all members of the Pioneer Valley Region's Metropolitan Planning Organization, or their designees, have met on August 30, 2011 and discussed the following item for endorsement:

CERTIFICATION OF THE 3C PLANNING PROCESS

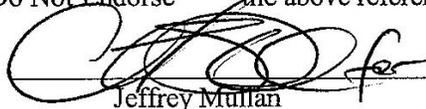
Concurrent with the submittal of the proposed TIP to the FHWA and the FTA, the MPO shall certify that the metropolitan transportation planning process is being carried out in accordance with all applicable requirements including:

1. 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
2. In non-attainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
3. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
6. 23 CFR Part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts
7. The provisions of US DOT and of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.
11. Anti-lobbying restrictions found in 49 USC Part 20. No appropriated funds may be expended by a recipient to influence or attempt to influence an officer or employee of any agency, a Member of Congress, in connection with the awarding of any Federal contract.

Massachusetts Department of Transportation (Mass DOT)

I, Secretary of the Massachusetts Department of Transportation, hereby

Endorse Do Not Endorse the above referenced item.



Jeffrey Mullian
Secretary & CEO Mass DOT

20 Aug 11
Date

Massachusetts Department of Transportation Highway Division

I, Acting Administrator of the Highway Division of MassDOT, hereby

Endorse Do Not Endorse the above referenced item.



Frank DePaola
Acting Highway Administrator, Mass DOT

08/30/11
Date

Pioneer Valley Planning Commission (PVPC)

I, Chair of the Pioneer Valley Planning Commission, hereby

Endorse Do Not Endorse the above referenced item.



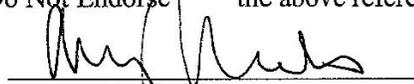
Richard Butler
Chair - PVPC

8/30/11
Date

Pioneer Valley Transit Authority (PVTA)

I, Administrator of the Pioneer Valley Transit Authority, hereby

Endorse Do Not Endorse the above referenced item.



Mary MacInnes
Administrator - PVTA

8/30/11
Date

City of Springfield

I, Mayor of the City of Springfield, hereby

Endorse Do Not Endorse the above referenced item.

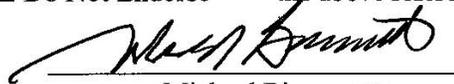
Domenic Sarno
Mayor-Springfield

Date

City of Chicopee

I, Mayor of the City of Chicopee, hereby

Endorse Do Not Endorse the above referenced item.



Michael Bissonnette
Mayor-Chicopee

8/30/11
Date

2012 3C Self Certification

City of Northampton

I, Mayor of the City of Northampton, hereby

Endorse Do Not Endorse the above referenced item.

Mary Clare Higgins
Mayor-Northampton

Date

City of West Springfield

I, Mayor of the City of West Springfield, hereby

Endorse Do Not Endorse the above referenced item.

Edward Gibson
Edward Gibson
Mayor-West Springfield

Aug 30, 2011
Date

Town of East Longmeadow

I, Board of Selectmen member of the Town of East Longmeadow, hereby

Endorse Do Not Endorse the above referenced item.

Enrico Villamaino
Selectman-East Longmeadow

Date

Town of Hatfield

I, Board of Selectmen member of the Town of Hatfield, hereby

Endorse Do Not Endorse the above referenced item.

Markus Boyle
Markus Boyle
Selectman-Hatfield

30 Nov 11
Date

FUNDING INFORMATION

Federal Aid Funding Targets

The MassDOT provided the revised PVPC federal aid highway funding targets and CMAQ targets for the region on July 2, 2011. The targets are provided for FFYs 2012 through 2015 and represent both the federal aid portion and respective state match.

Federal financial resources for transit are projected using appropriated amounts provided by the FTA for the funding categories of Sections 5307 and 5311. Sections 5309 and 20 are based on estimates of what will be reasonably available. Due to the discretionary nature of these categories, project line items are maintained in the fourth year of the TIP until an actual grant award is tendered. Section 5310 is programmed through the state and is awarded on a discretionary basis. Projections are based on past experience and the funding level provided by the State.

Federal Aid Financial Constraint

The federal aid element of the TIP is financially constrained according to the definition in Federal Register 23 CFR Part 450.324. The federal aid projects programmed for this region reasonably meet the federal aid funding targets provided for the region. Only projects for which funds can reasonably be expected have been included. Table 3 shows both these target amounts and the amounts programmed for highway projects during fiscal years 2012-2015. Projects that are not charged against the funding targets are not presented in the table. These projects include: Statewide items; and special funding projects. Table 4 shows the projected transit funds for FFY 2012 – 2015.

Project using Target funds were inflated 4% per year starting in FFY2013 in order to reflect year of construction cost.

Table 3
Federal Highway Financial Plan

Fiscal Year	Federal Target	Federal Aid Programed	CMAQ Target	CMAQ Funded	HSIP Target	HSIP Funded	Total Available Funds	Total Programme d Funds
2012	*\$12,856,372	*\$11,062,710	\$0	\$0	\$1,080,992	\$0	\$13,937,364	\$13,062,710
2013	\$10,658,166	\$10,016,166	\$2,161,984	\$2,161,984	\$1,080,992	\$1,080,992	\$13,901,142	\$13,259,142
2014	\$10,296,034	\$10,306,645	\$2,161,984	\$130,725	\$1,080,992	\$1,080,992	\$13,539,010	\$11,518,362
2015	\$11,497,286	\$11,034,610	\$2,161,984	\$2,321,984	\$1,080,992	\$1,080,992	\$14,740,262	\$14,437,237

The funding targets were programmed to projects according to project priority rating. Projects were programmed slightly beyond the program target with the understanding that the targets are not earmarks and program levels are expected to fluctuate.

The TIP reflects an emphasis on the maintenance and operation of the current transportation system with the ability to provide capital improvements. The federal aid program for each year consist of almost entirely of maintenance projects for the present transportation system.

The transit program outlined in Table 4 represents both apportioned items as well as discretionary items. The total programmed amount represents both the federal, state and local contributions.

Table 4
Federal Transit Financial Plan

Fiscal Year	Total Programmed
2012	\$58,646,853
2013	\$35,293,522
2014	\$39,284,260
2015	\$40,618302

The transit projects programmed focus on maintaining and operating the present system and reflect little to no expansion. The present transit system is being evaluated in order to service the same area more efficiently.

IV. TRANSPORTATION PROJECT PRIORITIES

ORGANIZATION OF PROJECT LISTINGS

Each project in the TIP contains the following information:

SID - Project identification numbers given by the Massachusetts Highway Department.

City/Town - Town or city in which a project is located.

Project Description - A brief description of work to be funded under the project.

Funding - The funding category from which funding is expected.

Federal Funds - The amount of federal dollars allocated for project construction.

State Funds - The amount of state dollars allocated to the project.

Total Cost - The total dollar amount that the project is expected to cost.

Regional Target - The total combined Federal and State dollar amount provided for project funding

TEC Score – Transportation Evaluation Criteria (TEC) is used by the TIP sub-committee to rank each potential TIP project

V. FEDERAL AID REGIONAL PROJECT LISTINGS

The following is a complete listing of the Pioneer Valley Federally Funded Transportation Improvement Projects for Fiscal Years 2012 - 2015.

Table 5: Federally Funded Projects Year 2012

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							
604821	SPRINGFIELD- IMPROVEMENTS & SIGNALIZATI	2	STP	\$ 3,189,211	\$ 2,551,369	\$ 637,842	10.12 TEC 75%
82250	AMHERST- RECONSTRUCTION & RELATED WC	2	STP	\$ 3,302,908	\$ 2,642,326	\$ 660,582	9.1 TEC 100% \$4,006,890
82250	AMHERST- RECONSTRUCTION & RELATED WC	2	TE	\$ 528,000	\$ 422,400	\$ 105,600	9.1 TEC 100% \$4,006,890 (\$175,982 TE Match not
602653	AGAWAM- RECONSTRUCTION OF ROUTE 159	2	STP	\$ 2,350,830	\$ 1,880,664	\$ 470,166	7.77 TEC 100% \$4,239,802
602653	AGAWAM- RECONSTRUCTION OF ROUTE 159	2	TE	\$ 606,000	\$ 484,800	\$ 121,200	7.77 TEC 100% \$4,239,802 (\$201,980 TE Match not
605556	BELCHERTOWN- SIGNAL & INTERSECTION IP	2	STP>CMAQ	\$ 1,004,769	\$ 803,815	\$ 200,954	6.93 TEC 75%
606471	SOUTH HADLEY- RESURFACING & RELATED V	2	STP	\$ 1,000,000	\$ 800,000	\$ 200,000	3.15 TEC 100%
	STP Subtotal			\$ 11,981,718	\$ 9,566,374	\$ 2,396,344	80% Federal + 20% Non-Federal
HSIP - Highway Safety Improvement Program							
602653	AGAWAM- RECONSTRUCTION OF ROUTE 159	2	HSIP	\$ 1,080,992	\$ 972,893	\$ 108,099	7.77 TEC 100% \$4,239,802
	No Projects Programmed			\$ -	\$ -	\$ -	
	HSIP Subtotal			\$ 1,080,992	\$ 972,893	\$ 108,099	Funding Split Varies by Project Specifications
CMAQ - Congestion Mitigation and Air Quality Improvement Program							
	No Projects Programmed			\$ -	\$ -	\$ -	
	No Projects Programmed			\$ -	\$ -	\$ -	
	CMAQ Subtotal			\$ -	\$ -	\$ -	80% Federal + 20% Non-Federal
Section 1A / Fiscal Constraint Analysis							
Total Federal Aid Target Funds Programmed				\$ 13,062,710	\$ 13,937,364	874,654	Target Funds Available
Total STP Programmed				\$ 11,981,718	\$ 12,866,372	874,654	STP Available
Total HSIP Programmed				\$ 1,080,992	\$ 1,080,992		HSIP Minimum Met
Total CMAQ Programmed				\$ -	\$ -		
Section 1B / Federal Aid Bridge Projects							
82611	CHICOPEE- HOLYOKE- BRIDGE REHABILITAT	2	BR-AC	\$ 8,000,000	\$ 6,400,000	\$ 1,600,000	
604242	NORTHAMPTON- BRIDGE REPLACEMENT, N-1	2	BR	\$ 1,169,288	\$ 935,430	\$ 233,858	
604023	AMHERST- BRIDGE REHABILITATION, A-08-C	2	BR	\$ 1,136,660	\$ 908,520	\$ 227,130	
	BR Subtotal			\$ 10,304,938	\$ 8,243,950	\$ 2,060,988	80% Federal + 20% Non-Federal
Section 1C / Federal Aid Non-Target Projects							
Earmarks							
605817	SPRINGFIELD- RECONSTRUCTION OF EDWAR	2	\$ 125 (2009)	\$ 700,000	\$ 700,000	\$ -	MA 259 Original \$950,000, \$250,000 spent on design
605818	SPRINGFIELD- RECONSTRUCTION OF EDWAR	2	\$ 129 (2008)	\$ 736,000	\$ 736,000	\$ -	MA240
604048	EASTHAMPTON- BRIDGE REPLACEMENT, E-0	2	IBR	\$ 300,000	\$ 240,000	\$ 60,000	MA240
	FY 2002-TCSP, West Springfield, Pioneer Va	2	TCSP	\$ 207,459	\$ 207,459	\$ -	MA240
	Earmarks Subtotal			\$ 1,942,459	\$ 1,882,459	\$ 60,000	Funding Split Varies by Earmark
Other							
	No Projects Programmed			\$ -	\$ -	\$ -	
	No Projects Programmed			\$ -	\$ -	\$ -	
	Other Subtotal			\$ -	\$ -	\$ -	Funding Split Varies by Funding Source

Table 5: Federally Funded Projects Year 2012 (Continued)

▶ Section 1D / Federal Aid Major & State Category Projects									
▶ IM - Interstate Maintenance									
605594	HOLYOKE- WEST SPRINGFIELD- INTERSTATE	2	IM	\$ 16,452,094	\$ 14,806,885	\$ 1,645,209			
	No Projects Programmed			\$ -	\$ -	\$ -			
	IM Subtotal			\$ 16,452,094	\$ 14,806,885	\$ 1,645,209			◀ 90% Federal + 10% Non-Federal
▶ NHS - National Highway System									
	No Projects Programmed			\$ -	\$ -	\$ -			
	No Projects Programmed			\$ -	\$ -	\$ -			
	NHS Subtotal			\$ -	\$ -	\$ -			◀ 80% Federal + 20% Non-Federal
▶ Other									
	No Projects Programmed			\$ -	\$ -	\$ -			
	No Projects Programmed			\$ -	\$ -	\$ -			
	Other Subtotal			\$ -	\$ -	\$ -			◀ Funding Split Varies by Funding Source
▶ Section 2A / Non-Federal Projects									
	No Projects Programmed			\$ -	\$ -	\$ -			
	No Projects Programmed			\$ -	\$ -	\$ -			
	Non-Federal Projects Subtotal			\$ -	\$ -	\$ -			◀ 100% Non-Federal
▶ Section 2B / Non-Federal Bridge Projects									
	No Projects Programmed			\$ -	\$ -	\$ -			
	No Projects Programmed			\$ -	\$ -	\$ -			
	Non-Federal Bridge Projects Subtotal			\$ -	\$ -	\$ -			◀ 100% Non-Federal
2012 Pioneer Valley MPO TIP Summary									
				TIP Section 1: Total of All Projects ▼	TIP Section 2: Total of All Projects ▼				
Total	\$ 41,762,201	\$ -	\$ 41,762,201						◀ Total Spending in Region
Federal Funds	\$ 35,491,561	\$ -	\$ 35,491,561						◀ Total Federal Spending in Region
Non-Federal Funds	\$ 6,270,640	\$ -	\$ 6,270,640						◀ Total Non-Federal Spending in Region

Table 7: Federally Funded Projects 2013

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							
604442	WESTFIELD- RECONSTRUCTION OF ROUTE 11	2	STP	\$ 5,567,581	\$ 4,454,065	\$ 1,113,516	7.93 TEC 100% \$5,441,804
602486	EASTHAMPTON- INTERSECTION IMPROVEMENT	2	STP	\$ 2,871,408	\$ 2,297,126	\$ 574,282	6.52 TEC 75% \$2,760,969
604825	PLAINFIELD- REHABILITATION OF ROUTE 11	1	STP	\$ 1,300,000	\$ 1,040,000	\$ 260,000	4.98 TEC \$1,250,000
602912	CHICOPEE- CHICOPEE RIVER RIVERWALK MU	2	STP	\$ 277,177	\$ 221,742	\$ 55,435	4.62 TEC 25% \$1,400,000
	STP Subtotal			\$ 10,016,166	\$ 8,012,933	\$ 2,003,233	◀ 80% Federal + 20% Non-Federal
► HSIP - Highway Safety Improvement Program							
606045	HOLYOKE- SIGNAL & INTERSECTION IMPROV	2	HSIP	\$ 1,080,992	\$ 972,893	\$ 108,099	\$1,395,570 total cost Holyoke responsible for
	HSIP Subtotal			\$ 1,080,992	\$ 972,893	\$ 108,099	◀ Funding Split Varies by Project Specifications
► CMAQ - Congestion Mitigation and Air Quality Improvement Program							
606375	NORTHAMPTON- PARK & RIDE CONSTRUCTION	2	CMAQ	\$ 719,521	\$ 575,617	\$ 143,904	4.88 TEC 25% 691,847
602912	CHICOPEE- CHICOPEE RIVER RIVERWALK MU	2	CMAQ	\$ 1,442,463	\$ 1,153,970	\$ 288,493	4.62 TEC 25% \$1,400,000
	CMAQ Subtotal			\$ 2,161,984	\$ 1,729,587	\$ 432,397	◀ 80% Federal + 20% Non-Federal
► Section 1A / Fiscal Constraint Analysis							
	Total Federal Aid Target Funds Programmed			\$ 13,259,142	\$ 13,901,142	◀ Total Target	\$ 642,000 Target Funds Available
	Total STP Programmed			\$ 10,016,166	\$ 10,658,166	◀ Max. STP	STP Available
	Total HSIP Programmed			\$ 1,080,992	\$ 1,080,992	◀ Min. HSIP	HSIP Minimum Met
	Total CMAQ Programmed			\$ 2,161,984	\$ 2,161,984	◀ Min. CMAQ	CMAQ Minimum Met
► Section 1B / Federal Aid Bridge Projects							
82611	CHICOPEE- HOLYOKE- BRIDGE REHABILITATION	2	BR-AC	\$ 3,000,000	\$ 2,400,000	\$ 600,000	
602178	MONSON- BRIDGE REPLACEMENT, M-27-011	2	BR	\$ 1,564,992	\$ 1,251,994	\$ 312,998	
	BR Subtotal			\$ 4,564,992	\$ 3,651,994	\$ 912,998	◀ 80% Federal + 20% Non-Federal
► Section 1C / Federal Aid Non-Target Projects							
► Earmarks							
603263	HOLYOKE- CANAL WALK EXTENSION (2ND LE	2	HPP (2005)	\$ 4,381,454	\$ 3,505,163	\$ 876,291	HPP-4274
603263	HOLYOKE- CANAL WALK EXTENSION (2ND LE	2	\$ 115 (2004)	\$ 215,997	\$ 215,997	\$ -	
605065	AMHERST- BELCHERTOWN- HADLEY- NORTH	2	HPP (2005)	\$ 4,449,450	\$ 3,559,560	\$ 889,890	HPP-1773
	Earmarks Subtotal			\$ 9,046,901	\$ 7,280,720	\$ 1,766,181	◀ Funding Split Varies by Earmark
► Other							
	No Projects Programmed			\$ -	\$ -	\$ -	
	No Projects Programmed			\$ -	\$ -	\$ -	
	Other Subtotal			\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

Table 5: Federally Funded Projects Year 2013 (Continued)

▶ Section 1D / Federal Aid Major & State Category Projects									
▶ IM - Interstate Maintenance									
	▶ No Projects Programmed								
	▶ No Projects Programmed								
	IM Subtotal ▶	\$							◀ 90% Federal + 10% Non-Federal
▶ NHS - National Highway System									
	▶ No Projects Programmed								
	▶ No Projects Programmed								
	NHS Subtotal ▶	\$							◀ 80% Federal + 20% Non-Federal
▶ Other									
	▶ No Projects Programmed								
	▶ No Projects Programmed								
	Other Subtotal ▶	\$							◀ Funding Split Varies by Funding Source
▶ Section 2A / Non-Federal Projects									
	▶ No Projects Programmed								
	▶ No Projects Programmed								
	Non-Federal Projects Subtotal ▶	\$							◀ 100% Non-Federal
▶ Section 2B / Non-Federal Bridge Projects									
	▶ No Projects Programmed								
	▶ No Projects Programmed								
	Non-Federal Bridge Projects Subtotal ▶	\$							◀ 100% Non-Federal
2013 Pioneer Valley MPO TIP Summary									
TIP Section 1: TIP Section 2: Total of All Projects ▼									
	Total ▶	\$	26,871,035	\$					◀ Total Spending in Region
	Federal Funds ▶	\$	21,648,126	\$					◀ Total Federal Spending in Region
	Non-Federal Funds ▶	\$	5,222,909	\$					◀ Total Non-Federal Spending in Region

Table 9: Federally Funded Projects 2014

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							
604433	BELCHERTOWN- RECLAMATION & RELATED W	2	STP	\$ 10,052,757	\$ 8,042,206	\$ 2,010,551	7.3 TEC 75% \$9,500,000
605685	SPRINGFIELD- SIGNAL & INTERSECTION IMF	2	STP	\$ 253,888	\$ 203,110	\$ 50,778	8.8 TEC 0% \$1,236,000
	STP Subtotal			\$ 10,306,645	\$ 8,245,316	\$ 2,061,329	◀ 80% Federal + 20% Non-Federal
▶ HSIP - Highway Safety Improvement Program							
605685	SPRINGFIELD- SIGNAL & INTERSECTION IMF	2	HSIP	\$ 1,080,992	\$ 864,794	\$ 216,198	8.8 TEC 0% \$1,236,000
	HSIP Subtotal			\$ 1,080,992	\$ 864,794	\$ 216,198	◀ Funding Split Varies by Project Specifications
▶ CMAQ - Congestion Mitigation and Air Quality Improvement Program							
604968	WESTFIELD- COLUMBIA GREENWAY RAIL TR	2	CMAQ	\$ 130,725	\$ 104,580	\$ 26,145	6.28 TEC 25% \$2,187,670
	CMAQ Subtotal			\$ 130,725	\$ 104,580	\$ 26,145	◀ 80% Federal + 20% Non-Federal
▶ Section 1A / Fiscal Constraint Analysis							
Total Federal Aid Target Funds Programmed				\$ 11,518,362	\$ 13,539,010	◀ Total Target	\$ 2,020,648 Target Funds Available
Total STP Programmed				\$ 10,306,645	\$ 10,296,034	◀ Max STP	\$ (10,611) STP Exceeds Maximum
Total HSIP Programmed				\$ 1,080,992	\$ 1,080,992	◀ Min HSIP	\$ - HSIP Minimum Met
Total CMAQ Programmed				\$ 130,725	\$ 2,161,984	◀ Min CMAQ	\$ 2,031,259 CMAQ Minimum Not Met
▶ Section 1B / Federal Aid Bridge Projects							
605384	AGAWAM- WEST SPRINGFIELD- BRIDGE REC	2	BR	\$ 14,402,860	\$ 11,522,304	\$ 2,880,576	
600935	HOLYOKE- BRIDGE REPLACEMENTS, H-21-01	2	BR	\$ 10,308,600	\$ 8,246,880	\$ 2,061,720	
602994	HUNTINGTON- BRIDGE REPLACEMENT, H-27	1	BR	\$ 5,292,000	\$ 4,233,600	\$ 1,058,400	
605618	LUDLOW- WILBRAHAM- BRIDGE REHABILITA	2	BR	\$ 1,026,000	\$ 820,800	\$ 205,200	
	BR Subtotal			\$ 31,029,460	\$ 24,823,584	\$ 6,205,896	◀ 80% Federal + 20% Non-Federal
▶ Section 1C / Federal Aid Non-Target Projects							
▶ Earmarks							
604968	WESTFIELD- COLUMBIA GREENWAY RAIL TR	2	HPP (2005)	\$ 2,231,883	\$ 1,785,506	\$ 446,377	
	No Projects Programmed			\$ -	\$ -	\$ -	
	Earmarks Subtotal			\$ 2,231,883	\$ 1,785,506	\$ 446,377	◀ Funding Split Varies by Earmark
▶ Other							
	No Projects Programmed			\$ -	\$ -	\$ -	
	No Projects Programmed			\$ -	\$ -	\$ -	
	Other Subtotal			\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

Table 5: Federally Funded Projects Year 2014 (Continued)

▶ Section 1D / Federal Aid Major & State Category Projects					
▶ IM - Interstate Maintenance					
▶ Easthampton/Northampton - Interstate Maintenance and Related Work II<91	2	IM	\$ 11,660,760	\$ 10,494,684	\$ 1,166,076
▶ No Projects Programmed			\$ -	\$ -	\$ -
		IM Subtotal ▶	\$ 11,660,760	\$ 10,494,684	\$ 1,166,076
					◀ 90% Federal + 10% Non-Federal
▶ NHS - National Highway System					
▶ No Projects Programmed			\$ -	\$ -	\$ -
▶ No Projects Programmed			\$ -	\$ -	\$ -
		NHS Subtotal ▶	\$ -	\$ -	\$ -
					◀ 80% Federal + 20% Non-Federal
▶ Other					
▶ No Projects Programmed			\$ -	\$ -	\$ -
▶ No Projects Programmed			\$ -	\$ -	\$ -
		Other Subtotal ▶	\$ -	\$ -	\$ -
					◀ Funding Split Varies by Funding Source
▶ Section 2A / Non-Federal Projects					
▶ No Projects Programmed			\$ -	\$ -	\$ -
▶ No Projects Programmed			\$ -	\$ -	\$ -
		Non-Federal Projects Subtotal ▶	\$ -	\$ -	\$ -
					◀ 100% Non-Federal
▶ Section 2B / Non-Federal Bridge Projects					
▶ No Projects Programmed			\$ -	\$ -	\$ -
▶ No Projects Programmed			\$ -	\$ -	\$ -
		Non-Federal Bridge Projects Subtotal ▶	\$ -	\$ -	\$ -
					◀ 100% Non-Federal
2014 Pioneer Valley MPO TIP Summary					
			TIP Section 1:	TIP Section 2:	Total of All
			▶	▶	Projects ▼
Total ▶	\$ 56,440,485	\$ -	\$ 56,440,485	◀	Total Spending in Region
Federal Funds ▶	\$ 46,318,464	\$ -	\$ 46,318,464	◀	Total Federal Spending in Region
Non-Federal Funds ▶	\$ 10,122,021	\$ -	\$ 10,122,021	◀	Total Non-Federal Spending in Region

Table 11: Federally Funded Projects 2015

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							
Section 1A - Surface Transportation Program							
604446	WESTFIELD- RECONSTRUCTION OF ROUTE 1A	2	STP	\$ 6,180,142	\$ 4,944,114	\$ 1,236,028	7.77 TEC 75% \$5,504,366
605891	EASTHAMPTON- HOLYOKE- RESURFACING &	2	STP	\$ 3,178,802	\$ 2,543,042	\$ 635,760	4.62 TEC PSE \$2,839,950
605815	WESTHAMPTON- RESURFACING & RELATED	2	STP	\$ 1,675,666	\$ 1,340,533	\$ 335,133	3.53 TEC PSE \$1,496,130
	STP Subtotal			\$ 11,034,610	\$ 8,827,688	\$ 2,206,922	◀ 80% Federal + 20% Non-Federal
Section 1A - Highway Safety Improvement Program							
604035	HADLEY- SIGNAL & INTERSECTION IMPROVE	2	HSIP	\$ 1,060,992	\$ 972,893	\$ 108,099	7.67 TEC 25% \$2,700,000
	No Projects Programmed			\$ -	\$ -	\$ -	
	HSIP Subtotal			\$ 1,060,992	\$ 972,893	\$ 108,099	◀ Funding Split Varies by Project Specifications
Section 1A - Congestion Mitigation and Air Quality Improvement Program							
604035	HADLEY- SIGNAL & INTERSECTION IMPROVE	2	CMAQ	\$ 2,321,635	\$ 1,857,308	\$ 464,327	7.67 TEC 25% \$2,700,000
	No Projects Programmed			\$ -	\$ -	\$ -	
	CMAQ Subtotal			\$ 2,321,635	\$ 1,857,308	\$ 464,327	◀ 80% Federal + 20% Non-Federal
Section 1A / Fiscal Constraint Analysis							
Total Federal Aid Target Funds Programmed				\$ 14,437,237	\$ 14,740,262	◀ Total Target	\$ 303,025 Target Funds Available
Total STP Programmed				\$ 11,034,610	\$ 11,497,286	◀ Max. STP	\$ 462,676 STP Available
Total HSIP Programmed				\$ 1,060,992	\$ 1,060,992	◀ Min. HSIP	\$ - HSIP Minimum Met
Total CMAQ Programmed				\$ 2,321,635	\$ 2,161,984	◀ Min. CMAQ	\$ (159,651) CMAQ Minimum Met
Section 1B / Federal Aid Bridge Projects							
604721	CHESTER- BRIDGE REPLACEMENT, C-11-020	1	BR	\$ 1,182,073	\$ 945,658	\$ 236,415	
600936	HOLYOKE- BRIDGE REPLACEMENT, H-21-018	2	BR	\$ 10,941,280	\$ 8,753,024	\$ 2,188,256	
604339	WESTHAMPTON- BRIDGE REHABILITATION,	1	BR	\$ 1,225,094	\$ 960,075	\$ 245,019	
	BR Subtotal			\$ 13,348,447	\$ 10,678,758	\$ 2,669,689	◀ 80% Federal + 20% Non-Federal
Section 1C / Federal Aid Non-Target Projects							
Earmarks							
	No Projects Programmed			\$ -	\$ -	\$ -	
	No Projects Programmed			\$ -	\$ -	\$ -	
	Earmarks Subtotal			\$ -	\$ -	\$ -	◀ Funding Split Varies by Earmark
Other							
	No Projects Programmed			\$ -	\$ -	\$ -	
	No Projects Programmed			\$ -	\$ -	\$ -	
	Other Subtotal			\$ -	\$ -	\$ -	◀ Funding Split Varies by Funding Source

Table 5: Federally Funded Projects Year 2015 (Continued)

▶ Section 1D / Federal Aid Major & State Category Projects									
▶ IM - Interstate Maintenance									
	2	IM	\$ 12,489,120	\$ 11,240,208	\$ 1,248,912				
			No Projects Programmed						
		IM Subtotal ▶	\$ 12,489,120	\$ 11,240,208	\$ 1,248,912				◀ 90% Federal + 10% Non-Federal
▶ NHS - National Highway System									
605582	2	NHS	\$ 8,493,542	6,794,833.6	1,698,708.4				
			No Projects Programmed						
		NHS Subtotal ▶	\$ 8,493,542	\$ 6,794,834	\$ 1,698,708				◀ 80% Federal + 20% Non-Federal
▶ Other									
			No Projects Programmed						
			No Projects Programmed						
		Other Subtotal ▶	\$ -	\$ -	\$ -				◀ Funding Split Varies by Funding Source
▶ Section 2A / Non-Federal Projects									
			No Projects Programmed						
			No Projects Programmed						
		Non-Federal Projects Subtotal ▶	\$ -						◀ 100% Non-Federal
▶ Section 2B / Non-Federal Bridge Projects									
			No Projects Programmed						
			No Projects Programmed						
		Non-Federal Bridge Projects Subtotal ▶	\$ -						◀ 100% Non-Federal
2015 Pioneer Valley MPO TIP Summary									
			TIP Section 1: Total of All Projects ▼						
Total ▶			\$ 48,768,346	\$ -	\$ 48,768,346	◀ Total Spending in Region			
Federal Funds ▶			\$ 40,371,688		\$ 40,371,688	◀ Total Federal Spending in Region			
Non-Federal Funds ▶			\$ 8,396,658	\$ -	\$ 8,396,658	◀ Total Non-Federal Spending in Region			

Appendix Z: Other projects within the Region

Table 13: Appendix Z Other Regional Significant Projects

Community	Project Name	Project Description	SID	Projected Cost	TEC Score
Agawam	N. Westfield St. / S. Westfield St. (Rte. 187)	Reconstruction: Pine St. to Westfield TL	600513	12,875,077.00	6.95
Agawam	Connector, Rte 5 to Rte 57/rotary	Connector, Rte 5 to Rte 57/rotary	603372	11,669,000.00	9.10
Agawam	Bikeway Loop	Bikeway loop Main/River/School	603731	2,415,690.00	4.02
Agawam	Route 187/57 Intersection Improvements	Intersection Improvement	604203	1,500,000.00	6.43
Agawam	Bikeway: Main to Robinson S.P.	Construction: Via Water Works ROW	X00003	635,000.00	NA
Agawam	Ct River Bikeway	Ct River Bikeway Phase II (Believed to be 603731)	X00200	100,000.00	NA
Agawam/Southwick	Rte. 57 Highway Extension	Construction: Rte. 187 to Southwick	115300	80,051,613.93	3.65
Belchertown	N. Washington St. Reconstruction	Reconstruction: S. Main St. to North Liberty Street	604692	3,200,000.00	5.43
Belchertown	Bay Road Improvements	Resurfacing and related work on section of Bay Rd	605676	700,000.00	1.53
Belchertown/Granby	Route 202 Resurfacing	Resurfacing and related work on Route 202	604819	4,500,000.00	5.43
Blandford/Russell	Resurfacing Route 23	Resurfacing and Related work on Route 23 from Otis TL to Route 20 in Russell	605614	5,700,000.00	3.45
Chicopee	Connecticut Riverwalk	Construction: Plainfield St. to Nash Fld.	602911	1,611,250.00	4.40
Chicopee	Fuller Rd. Corridor Improvements	Reconstruction: From Rte. 33 to Shawinigan Drive	604434	6,200,000.00	8.27
Chicopee	memorial Drive (Rt 33) Traffic signal improvement	Improvement to 3 singals Memorial Dr. at Montgomery and Sheridan St., Braodway at Main St., and Broadway at Belcher St.	604435	1,461,241.00	9.67
Chicopee	Montgomer Road improvements	Resurfacing and related work on Montgomery Street from Granby Rd to Dale Street	606034	600,901.00	2.03
Cummington	Rte. 112	Rehabilitation: Worthington TL north 1.5 miles	600301	600,000.00	3.70
Cummington	Route 9 Pavement Preservation	Route 9 Pavement Preservation from Windsor TL to Goshen TL	605582	6,000,000.00	3.45

Table 13: Appendix Z Other Regional Significant Projects (Cont.)

Community	Project Name	Project Description	SID	Projected Cost	TEC Score
East Longmeadow	Elm Street Reconstruction	Reconstruction: Springfield CL to Center Sq.	601350	4,250,000.00	5.43
Easthampton	Glendale St.	Replace BR# E-05-005 over Manhan River	X00045	750,000.00	NA
Easthampton	Main St./South St.	Reconstruction: Intersection & signalize	X00046	250,000.00	NA
Easthampton	O'Neill St./Northampton St.	Reconstruction: Intersection	X00047	250,000.00	NA
Easthampton	Pomeroy Meadow Rd	Reconstruction: S. Hamp. TL north to Loudville Rd.	X00050	1,010,291.00	NA
Goshen	Route 9 reconstruction	Resurface: Rte. 112 to Williamsburg TL	602888	4,500,000.00	5.42
Goshen	West Street Reclamation	Resurfacing and related work on West Street	605150	2,839,950.00	2.90
Goshen	West Street Rehabilitation	Rehabilitation and improvements to West Street from S. Maple Street to Chesterfield T.L.	X00201	2,400,000.00	NA
Granby	Amherst Street improvements	Resurfacing and related work	605682	1,300,000.00	0.00
Granville	Rte. 57	Resurface: 8 miles from Sodom Street west to Tollard TL	X00006	1,600,000.00	NA
Hadley	South Maple Street	Reconstruction: South of Rte. 9 to Bay Rd.	602796	7,386,000.00	4.73
Hadley	Route 9 reconstruction	Reconstruction of Route 9 near Hampshire Mall	605032	4,351,100.00	7.78
Hadley	Route 9 reconstruction	Rconstruction form Middle St to E/O Mill Valley Rd (Lowes)	605881	6,000,000.00	7.87
Hadley	Rte. 9 (Russell Street) ITS	ITS mitigation implementation	X00187	1,500,000.00	NA
Holland	Brimfield Road	Reconstruction of 2.3 miles beginning at Brimfield Town Line and ending at Stafford Road	604962	1,300,000.00	0.00
Holyoke	Pleasant St. & River Terrace, Reconstruction	Essex St. to Northampton St. (Route 5)	X00070	4,000,000.00	NA
Holyoke	Intersections Improvements: Maple St. to Main St.	Improvements: Maple St. to Main St.	X00071	600,000.00	NA
Holyoke	Linden St.	Improvements: 5 intersections	X00072	400,000.00	NA
Holyoke	Cabot St.	Reconstruction: Main St. to S. Canal St.	X00073	320,000.00	NA

Table 13: Appendix Z Other Regional Significant Projects (Cont.)

Community	Project Name	Project Description	SID	Projected Cost	TEC Score
Holyoke	Rte. 5	Resurfacing & Improvements 11,600 ft	X00074	2,000,000.00	NA
Holyoke	Northampton St.	Rehabilitation	X00075	2,000,000.00	NA
Holyoke	Intermodal Center	Intermodal Center	X00188	2,000,000.00	NA
Holyoke/West Springfield	Route 5 Reconstruction from Ashley Ave.	Reconstruct Route 5 from Ashley Ave to Route 5	604209	3,000,000.00	7.42
Huntington	Route 112 Resurfacing	Route 112 Resurfacing and Related Work from MM.011 to MM 8.52	605615	3,900,000.00	3.70
Longmeadow	Route 5 Resurfacing and Related Work	Resurfacing of Route 5 (Longmeadow Street) from Edgewood street to Warren Terrace, includes Culvert Repairs at Cooley Brook Project will consist of milling and resurfacing the existing pavement on Converse Street. Also included will be 9,800 linear feet of new hma curb, drainage structure repairs and 4,000 feet of new sidewalk	605886	750,000.00	3.90
Longmeadow	RESURFACING & RELATED WORK ON CONVERSE STREET, FROM LAUREL STREET TO DWIGHT STREET		606445	1,585,760.00	0.00
Ludlow	Center Street (Route 21) reconstruction	Center street reconstruction	605011	4,728,895.00	9.35
Monson	Lower Hampden Rd Phase 2	Reconstruction from 3/4 miles south of Ely Road easterly to the intersection of Elm Street and Bridge Street include drainage improvements, new guardrail, signage, pavement markings and approximately 1500 feet of new sidewalk.	605687	4,750,000.00	3.88
Northampton	Damon Rd. Safety Improvement	Reconstruction: Rte. 9 to King St. (Rte. 5)	180525	4,575,000.00	6.88
Northampton	Route 66 (West St.) at Earle Street intersection improvements	Intersection improvement: instalation of Signal to mitigate peak hour congestion	604452	200,000.00	7.22
Northampton	Mountain Rd (Route 5) improvements	Improvements to Mountain Rd	605048	1,200,000.00	5.52
Northampton	Route 5 improvements	Resurfacing and related work FROM I-91 (NB ON-RAMP) TO HOLYOKE STREET	605896	1,800,000.00	4.13

Table 13: Appendix Z Other Regional Significant Projects (Cont.)

Community	Project Name	Project Description	SID	Projected Cost	TEC Score
Northampton	Park and Ride	construction of a park and ride lot at Route 9 in Leeds	606375	691,847.00	4.88
Northampton	Glendale Rd.	Reconstruction: Rte. 66 to Easthampton TL	X00088	1,000,000.00	NA
Northampton	Ryan Rd.	Reconstruction: W. Farms Rd. to Brookside Circle	X00089	1,100,000.00	NA
Northampton	Norwotock Rail Trail (Tunnel)	Construction of a tunnel under RR, will connect Norwotock to Northampton RT.	X00091	1,100,000.00	NA
Palmer	Rte. 32 (Ware Road)	Reconstruction: Stimson St. to Ware TL	601504	22,854,850.00	7.43
Palmer	Route 20 improvements	Resurfacing and related work	603873	1,200,000.00	4.40
Pelham	Amherst Rd. Reconstruction	Reconstruction: W/O Rte. 202 to Amherst TL	601154	6,404,630.00	4.70
Southampton	East St. (Footprint)	Reconstruction: Rte. 10 to Holyoke TL	604653	4,582,450.00	4.98
Southampton	Glendale Rd. (Phase II)	Reconstruction: Pomeroy Meadow Road to Route 10.	604738	1,900,000.00	4.07
Southwick	Route 57 Reconstruction	Reconstruction Rt. 57 (Feeding Hills Road)	603477	2,910,000.00	6.82
Southwick	Congamond Rd. (Rte. 168) Reconstruction	Roadway reconstruction: From Route 202 to 250 ft before state line (before culvert)	604033	5,104,596.00	6.47
Southwick	Routes 10/202 resurfacing (southerly)	Routes 10/202 resurfacing (southerly)	604153	2,600,000.00	5.52
Southwick	Routes 10/202 resurfacing (northerly)	Routes 10/202 resurfacing (northerly)	604155	2,000,000.00	5.60
Southwick	HIGHWAY RECONSTRUCTION, ROUTE 57 (FEEDING HILLS ROAD)	rehabilitation Feeding Hills Road (Route 57) i from College Highway to the Agawam TL. Reconstruction, drainage improvements, (Not Powder Mill Road and Hudson Drive or North Longyard Road/Foster Road)	606141	3,400,000.00	4.98
Springfield	Main St., Front, Route 141 Improvements (Indian Orchard)	Traffic signal and related work Main st, Fron st., Myrtle st (Route 141) Indian Orchard	604448	1,000,000.00	6.78

Table 13: Appendix Z Other Regional Significant Projects (Cont.)

Community	Project Name	Project Description	SID	Projected Cost	TEC Score
Springfield	North end and Brightwood Infrastructure Improvements (North)	Reconstructing Main Street northerly of Osgood Street to the City line, including Huntington Ave. between Main Street and Bernie Ave, Bernie Ave. between I-91 Exits 9 and 1	605222	3,300,000.00	9.85
Springfield	Roosevelt Ave. @ Island Pond Rd and Roosevelt Ave @ Alden Street	Intersection and signal improvement plan realigns Island Pond Road with Roosevelt Avenue to create a three way signalized intersection as well as upgrading equipment and timing	605385	1,529,817.00	4.83
Springfield	Plumtree Rd improvements	Resurfacing and related work from Allen St to Wilbraham Rd	605683	2,000,000.00	3.83
Springfield	Union Station Redevelopment	Restoration and renovation of the terminal building which will house PVTA, Amtrak, commuter rail and intercity bus operating facilities as well as retail and office space; including day care and a transportation conference center.	NA	70,000,000.00	NA
Springfield	SUPERSTRUCTURE REPLACEMENT, S-24-061, ROUTE I-91 VIADUCT	The scope of work for the project involves the replacement of the superstructure of Bridge No. S-24-061 (10J, 10K & 10L). In order to mitigate impacts to the traveling public during construction, accelerated bridge construction techniques shall be implemented.	606459	358,230,000.00	NA
Springfield/Wilbraham	Boston Rd Reconstruction (Route 20)	Reconstruction of Boston Rd and other infrastructure improvements	605213	9,260,000.00	9.52
Tolland	Route 57	Resurfacing and related work to Route 57 from Granville TL to Sandisfield TL	X00005	0.00	NA
Wales	Sidewalk improvements	Sidewalk reconstruction and resurfacing at various locations on Route 119	605669	309,000.00	4.10
Ware	Ware River Valley Preservation Project	Ware River Valley Greenway Trail & Covered Bridge Preservation Project	603454	1,400,000.00	4.22
Ware	Resurfacing and Related Work Route 9	From Belchertown/Ware TL to 1000 feet east of Monson Turnpike Rd	603874	1,012,957.00	3.03
West Springfield	CT Riverwalk and Bikeway	Dike Segement	603730	2,500,000.00	4.77
West Springfield	Union Street Underpass	Reconstruct Union Street Underpass	604746	15,000,000.00	11.22

Table 13: Appendix Z Other Regional Significant Projects (Cont.)

Community	Project Name	Project Description	SID	Projected Cost	TEC Score
Westfield	Rte. 10/202 CBD Traffic Improvements	Elm Street, N. Elm Street	603330	3,000,000.00	8.88
Westfield	Western Avenue Highway Improvement	Reconstruct and improvements From Bates Rd to Court St, and Court until Mill Street	603449	3,500,000.00	8.77
Westfield	Columbia Greenway Rail trail and River Walk (Central Section)	1.25 miles in length and extends from the Columbia Manufacturing Company to the Cowles Court and Sibley Ave access paths in the north and includes replacement of 5 bridges, rehab of a 6th	603783	6,226,907.00	6.28
Westfield	Route 187 - Sherman's Mill Bridge reconstruction	Reconstruct Route 187 from 260ft north on Sherman Bridge to 800ft east of Pontoosic rd.	604445	6,926,210.00	7.65
Westfield	Route 20 Access Road	Design and Construct Route 20 Access Road	604601	10,366,046.00	3.12
Westfield	I-90 exit 3	Intersection and roadway improvements	604823	1,200,000.00	9.15
Westfield	Columbia Greenway Rail trail and River Walk (Southern Section)	Southwick townline north to 1,200 ft south East Silver Street, 1.66M	604967	4,537,500.00	6.28
Westhampton	Intermodal Trans. Facility	Construction: CBD	X00174	10,964,430.00	
Westhampton	Southampton Rd.	Reconstruction: Rte. 66 to Stage Rd	602386	1,400,000.00	4.38
Westhampton	Chesterfield Rd.	Reconstruction: Northampton TL to Chesterfield TL	602387	2,400,000.00	4.02
Westhampton	Kings Highway and Reservoir Rd	Reconstruction: Kings Highway from Perryhill Road to Reservoir Rd, and Reservoir Rd from Kings Highway to Pine Island Lake Damb	602822	1,360,000.00	4.02
Wilbraham	Route 20 Signalization Pedestrian/Bikepath Improvement Project	Town of Wilbraham Rte 20/Boston Road	X00179	1,000,000.00	NA
				795,608,008.93	

Appendix Z High Priority Project (HPP) List

Project Description	City/Town	Project ID	Funding	Fed. Funds	State Funds	Total
Design and construct Rt. 20 access road (\$10,355,971)	Westfield	604601	HPP-4287	\$2,002,950	\$500,738	\$2,503,688
Route 32 Ware Road Reconstruction (\$22,854,850)	Palmer	601504	HPP-4287	\$2,303,744	\$575,936	\$2,879,680
		602844;				
		604443;				
Design and construction of Southwick and Westfield Rail Trail	Southwick/Westfield	603783	HPP-1656	\$1,857,506	\$464,377	\$90,000
*Construct Access roads to Hospital Hill (\$1,652,818)	Northampton	604451	HPP-158	\$302,865	\$75,716	\$378,581
*State St. Corridor Redevelopment Project (\$18,052,897)	Springfield	604447	HPP-217	\$899,056	\$224,764	\$1,123,820
*Design and construct 1.5 mile Red Stone Rail Trail(\$1,112,074)	East Longmeadow	602338	HPP-578	\$224,764	\$56,191	\$280,955
*Intersection improvements Memorial Park II - Roosevelt Ave. (\$2,310,853)	Springfield	604822	HPP-836	\$149,843	\$37,461	\$187,304
Design north and southbound ramps on I-91 at Exit 19 (\$15,000,000)	Northampton	604597	HPP-847	\$224,764	\$56,191	\$280,955
Upgrade Route 9 - Calvin Coolidge bridge (1998) (\$31,840,515)	Hadley	124913	HPP - 862	\$83,828	\$20,957	\$104,785
Total Project Cost				\$8,049,320	\$2,012,330	\$10,061,650
Earmarks located in Appendix Z will remain un-programmed until full project funding is available						
HPP-1656 adjusted from \$794,214 to \$2,145,506 Fed portion at request of MassDOT 4/20/10						

Projects list in appendix Z are shown for informational purposes and are not programmed in the TIP. If additional funds become available projects from this list could be added if the selected project would be ready for advertisement in that program year

VI. Transit Project Listing for FFY 2012-2015

The following is a complete listing of programmed transit projects for FFY 2012-2015

Table 14: FFY 2012 Transti Project Information

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼		
5307 ▶	PVTA	ADA Service Improvements	N/A	\$ 262,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,625	\$ 328,127
	PVTA	ADA Service Improvements	N/A	\$ 738,032	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 184,508	\$ 922,540
	PVTA	Buses Rolling Stock	N/A	\$ 4,054,902	\$ 1,013,725	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,068,627
	PVTA	Environmental Compliance Service	N/A	\$ 76,800	\$ 19,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,000
	PVTA	Facility Rehab	N/A	\$ 307,200	\$ 76,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 384,000
	PVTA	Farebox Service Improvement	N/A	\$ 230,646	\$ 57,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 288,307
	PVTA	IT Infrastructure Service Improvement	N/A	\$ 318,720	\$ 79,680	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 398,400
	PVTA	Planning	N/A	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 250,000
	PVTA	Preventive Maintenance	N/A	\$ 4,554,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,138,564	\$ 5,692,822
	PVTA	Shop Equipment	N/A	\$ 76,800	\$ 19,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,000
	PVTA	Transit Enhancements	N/A	\$ 254,064	\$ 63,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 317,580
	PVTA	Vans Rolling Stock	N/A	\$ 307,200	\$ 76,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 384,000
	PVTA	Buses Carryover	Yes	\$ 6,425,925	\$ -	\$ -	\$ -	\$ 1,285,185	\$ -	\$ -	\$ 6,425,925
	PVTA	Buses/Mini-Buses Carryover	Yes	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
	PVTA	Buses-Hybrid Carryover	Yes	\$ 6,200,000	\$ -	\$ -	\$ -	\$ 1,240,000	\$ -	\$ -	\$ 6,200,000
	PVTA	Facility Rehab Carryover	Yes	\$ 100,000	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ 100,000
	PVTA	Facility Rehab Carryover	Yes	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
	PVTA	Facility Rehab Carryover (EEL)	Yes	\$ 100,000	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ 100,000
	PVTA	Farebox Carryover	Yes	\$ 3,064,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,064,676
	PVTA	ITS Carryover	Yes	\$ 60,000	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
	PVTA	ITS Carryover	Yes	\$ 400,000	\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ 400,000
	PVTA	Planning Carryover	Yes	\$ 276,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 69,000	\$ 345,000
	PVTA	Shelters Carryover	Yes	\$ 200,000	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ 200,000
	PVTA	Shop Equipment Carryover	Yes	\$ 80,000	\$ -	\$ -	\$ -	\$ 16,000	\$ -	\$ -	\$ 80,000
	PVTA	Shop Equipment Carryover	Yes	\$ 117,192	\$ 29,298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,490
	PVTA	Support Vehicle Carryover	Yes	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000
	PVTA	Support Vehicle Carryover	Yes	\$ 65,675	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,675
	PVTA	Transit Enhancements Carryover	Yes	\$ 65,000	\$ -	\$ -	\$ -	\$ 13,000	\$ -	\$ -	\$ 65,000
	PVTA	Vans Carryover	Yes	\$ 480,000	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000
		5307 Subtotal ▶		\$ 31,780,592	\$ 1,633,880	\$ -	\$ -	\$ 2,714,185	\$ -	\$ 1,507,697	\$ 34,922,169
5309 ▶	PVTA	ITS Customer Information Carryover	Yes	\$ 800,000	\$ -	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ 800,000
	PVTA	IVR Livability Projects Carryover	Yes	\$ 596,511	\$ -	\$ -	\$ -	\$ 149,138	\$ -	\$ -	\$ 596,511
	PVTA	Holyoke Multimodal Center	Sec 117	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
	PVTA	Holyoke Multimodal Center	Yes	\$ 68,000	\$ -	\$ -	\$ 17,000	\$ -	\$ -	\$ -	\$ 85,000
	PVTA	Westfield Multimodal Center	Yes	\$ 1,665,000	\$ -	\$ -	\$ 333,000	\$ -	\$ -	\$ -	\$ 1,998,000
	PVTA	Westfield Multimodal Center	Sec 117	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000
		5309 Subtotal ▶		\$ 4,554,511	\$ -	\$ -	\$ 350,000	\$ 309,138	\$ -	\$ -	\$ 4,904,511
5310 ▶	PVTA	Lift Equipped Vans	N/A	\$ 333,720	\$ -	\$ 433,866	\$ -	\$ -	\$ -	\$ -	\$ 767,586
	PVTA	Lift Equipped Minibuses	N/A	\$ 78,280	\$ -	\$ 98,936	\$ -	\$ -	\$ -	\$ -	\$ 177,216
		5310 Subtotal ▶		\$ 412,000	\$ -	\$ 532,802	\$ -	\$ -	\$ -	\$ -	\$ 944,802
5311 ▶	PVTA	Rural Transit E&H		\$ 32,671	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,671
		5311 Subtotal ▶		\$ 32,671	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,671

Table 14: FFY 2012 Transit Project Information (Cont.)

5316 ▶	PVTA	Job Access Reverse Commute	N/A	\$ 643,452	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 643,452
	PVTA	Job Access Reverse Commute	Yes	\$ 8,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,800	\$ 17,600
			5316 Subtotal ▶	\$ 652,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,800	\$ 661,052
5317 ▶	PVTA	New Freedoms	N/A	\$ 232,942	\$ -	\$ -	\$ -	\$ 58,236	\$ -	\$ -	\$ 232,942
	PVTA	New Freedoms	N/A	\$ 233,942	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 233,942	\$ 467,884
	PVTA	New Freedoms	Yes	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,957	\$ 142,857
			5317 Subtotal ▶	\$ 526,884	\$ -	\$ -	\$ -	\$ 58,236	\$ -	\$ 316,799	\$ 843,683
SoGR ▶	PVTA	No Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Livability ▶	PVTA	No Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIGER ▶	PVTA	No Projects		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
			Grants Subtotal ▶	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other ▶	PVTA	Operating	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,337,965	\$ -	\$ 16,337,965
			Operating Subtotal ▶	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,337,965	\$ -	\$ 16,337,965
			Total ▶	\$ 37,958,910	\$ 1,633,880	\$ 532,802	\$ 350,000	\$ 3,081,559	\$ 16,337,965	\$ 1,833,296	\$ 58,646,853
Fiscal Constraint Analysis											
Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼					State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
FFY 12 / 5307	\$ 11,381,124	\$ 11,381,123	(1)	Over	RTACAP	\$ 1,633,880	\$ 1,633,881	1	Available		
FFY 12 / 5309	\$ -	\$ -	-	Available	MAP	\$ 532,802	\$ 532,802	(0)	Over		
FFY 12 / 5310	\$ 412,000	\$ 412,000	-	Available	ITCCAP	\$ 350,000	\$ 350,000	-	Available		
FFY 12 / 5311	\$ 32,671	\$ 32,671	-	Available	SCA	\$ 16,337,965	\$ 16,337,965	(0)	Over		
					TDC	\$ 3,081,559			Programmed		

Table 15: FFY 2013 Transit Project Information

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources					RTA Funds ▼	Total Cost ▼
					RTACAP ▼	MAP ▼	ITCCAP ▼	TDC ▼	SCA ▼		
5307 ▶	PVTA	Support Vehicles	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	PVTA	ITS	N/A	\$ 800,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
	PVTA	Transit Enhancements	N/A	\$ 115,048	\$ 28,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 143,810
	PVTA	Facility Rehab	N/A	\$ 76,000	\$ 19,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,000
	PVTA	Environmental Compliance	N/A	\$ 28,000	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000
	PVTA	Northampton Intermodal Facility	N/A	\$ 499,236	\$ 124,809	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 624,045
	PVTA	Northampton Intermodal Facility	N/A	\$ 1,576,353	\$ 394,088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,970,441
	PVTA	Maintenance Tools & Equipment	N/A	\$ 52,000	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000
	PVTA	Planning	N/A	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
	PVTA	Buses	N/A	\$ 2,341,434	\$ 585,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,926,792
	PVTA	Shelters	N/A	\$ 160,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
	PVTA	Signage & Lighting	N/A	\$ 4,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000
	PVTA	Shelter Pads & Lighting Installation	N/A	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
	PVTA	IT Infrastructure	N/A	\$ 400,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
	PVTA	Preventative Maintenance	N/A	\$ 4,260,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,065,000	\$ 5,325,000
	PVTA	ADA Assistance	N/A	\$ 910,486	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 227,622	\$ 1,138,108
	PVTA	Vans	N/A	\$ 280,000	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
	PVTA	Buses	Carryover	\$ 1,084,949	\$ 216,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,301,939
		5307 Subtotal ▶		\$ 12,807,506	\$ 1,855,007	\$ -	\$ -	\$ -	\$ -	\$ 1,292,622	\$ 15,955,135
											\$ 12,086,839
5309 ▶		Westfield Multimodal Center	N/A			\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
		5309 Subtotal ▶		\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
5310 ▶	PVTA	Lift Equipped Vans	N/A	\$ 343,732		\$ 444,516	\$ -	\$ -	\$ -	\$ -	\$ 788,248
	PVTA	Lift Equipped Minibuses	N/A	\$ 80,628		\$ 104,269	\$ -	\$ -	\$ -	\$ -	\$ 184,898
		5310 Subtotal ▶		\$ 424,360	\$ -	\$ 548,786	\$ -	\$ -	\$ -	\$ -	\$ 973,146
5311 ▶	PVTA	Rural Transit E&H		\$ 33,651	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,651
		5311 Subtotal ▶		\$ 33,651	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,651
5316 ▶		Job Access Reverse Commute		\$ 363,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 363,885	\$ 727,770
		5316 Subtotal ▶		\$ 363,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 363,885	\$ 727,770
5317 ▶		New Freedom	N/A	\$ 241,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 241,169	\$ 482,338
		5317 Subtotal ▶		\$ 241,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 241,169	\$ 482,338
SoGR ▶											\$ -
SoGR ▶											\$ -
SoGR ▶											\$ -
Livability ▶											\$ -
TIGER ▶											\$ -
		Grants Subtotal ▶		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other ▶	PVTA	Operating	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,871,482	\$ -	\$ 16,871,482
		Operating Subtotal ▶		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,871,482	\$ -	\$ 16,871,482
		Total ▶		\$ 13,870,571	\$ 1,855,007	\$ 548,786	\$ 250,000	\$ -	\$ 16,871,482	\$ 1,897,676	\$ 35,293,522
Fiscal Constraint Analysis											
Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼					State Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼
FFY 13 / 5307	\$ 11,722,557	\$ 11,722,557	\$ 0 Available					RTACAP	\$ 1,855,007	\$ 1,855,007	\$ (0) Over Programmed
FFY 13 / 5309	\$ -	\$ -	\$ - Available					MAP	\$ 548,786	\$ 548,786	\$ - Available
FFY 13 / 5310	\$ 424,360	\$ 424,360	\$ - Available					ITCCAP	\$ 250,000	\$ 250,000	\$ - Available
FFY 13 / 5311	\$ 33,651	\$ 33,651	\$ 0 Available					SCA	\$ 16,828,104	\$ 16,828,104	\$ (0) Over Programmed
								TDC	\$ -	\$ -	

Table 16: FFY 2014 Transit Project Information

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources				RTA Funds ▼	Total Cost ▼	
					RTACAP ▼	MAP ▼	TDC ▼	SCA ▼			
5307 ▶	PVTA	ITS	N/A	\$ 1,200,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	
	PVTA	Transit Enhancements	N/A	\$ 116,198	\$ 29,050	\$ -	\$ -	\$ -	\$ -	\$ 145,248	
	PVTA	Facility Rehab	N/A	\$ 76,000	\$ 19,000	\$ -	\$ -	\$ -	\$ -	\$ 95,000	
	PVTA	Environmental Compliance	N/A	\$ 28,000	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	
	PVTA	Maintenance Tools & Equipment	N/A	\$ 80,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	
	PVTA	Planning	N/A	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	
	PVTA	Buses	N/A	\$ 2,795,123	\$ 698,781	\$ -	\$ -	\$ -	\$ -	\$ 3,493,904	
	PVTA	Signage & Lighting	N/A	\$ 4,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	
	PVTA	Shelter Pads & Lighting Installation	N/A	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
	PVTA	IT Infrastructure	N/A	\$ 714,913	\$ 178,728	\$ -	\$ -	\$ -	\$ -	\$ 893,641	
	PVTA	Preventative Maintenance	N/A	\$ 4,560,000	\$ -	\$ -	\$ -	\$ -	\$ 1,140,000	\$ 5,700,000	
	PVTA	ADA Assistance	N/A	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 1,500,000	
	PVTA	Vans	N/A	\$ 1,080,000	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 1,350,000	
	PVTA	Buses	Carryover	\$ 1,306,889	\$ 326,722	\$ -	\$ -	\$ -	\$ -	\$ 1,633,611	
	PVTA	Maintenance Tools & Equipment	Carryover	\$ 526,915	\$ 131,729	\$ -	\$ -	\$ -	\$ -	\$ 658,644	
	PVTA	ITS	Carryover	\$ 660,000	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ 825,000	
	PVTA	Vans	Carryover	\$ 300,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 375,000	
		5307 Subtotal ▶		\$ 14,868,038	\$ 2,277,010	\$ -	\$ -	\$ -	\$ 1,440,000	\$ 18,585,048	
										\$ -	
5309 ▶	PVTA	Facility Rehab	Carryover	\$ 965,510	\$ 241,378	\$ -	\$ -	\$ -	\$ -	\$ 1,206,888	
		5309 Subtotal ▶		\$ 965,510	\$ 241,378	\$ -	\$ -	\$ -	\$ -	\$ 1,206,888	
										\$ -	
5310 ▶	PVTA	Lift Equipped Vans	N/A	\$ 354,044	\$ -	\$ 457,852	\$ -	\$ -	\$ -	\$ 811,895	
	PVTA	Lift Equipped Minibuses	N/A	\$ 83,047	\$ -	\$ 107,397	\$ -	\$ -	\$ -	\$ 190,445	
		5310 Subtotal ▶		\$ 437,091	\$ -	\$ 565,249	\$ -	\$ -	\$ -	\$ 1,002,340	
										\$ -	
5311 ▶	PVTA	Rural Transit E&H		\$ 34,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,661	
		5311 Subtotal ▶		\$ 34,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,661	
										\$ -	
5316 ▶	PVTA	Job Access Reverse Commute	N/A	\$ 374,801	\$ -	\$ -	\$ -	\$ -	\$ 374,801	\$ 749,602	
		5316 Subtotal ▶		\$ 374,801	\$ -	\$ -	\$ -	\$ -	\$ 374,801	\$ 749,602	
										\$ -	
5317 ▶	PVTA	New Freedom	N/A	\$ 248,404	\$ -	\$ -	\$ -	\$ -	\$ 248,404	\$ 496,809	
		5317 Subtotal ▶		\$ 248,404	\$ -	\$ -	\$ -	\$ -	\$ 248,404	\$ 496,809	
										\$ -	
SoGR ▶										\$ -	
SoGR ▶										\$ -	
SoGR ▶										\$ -	
Livability ▶										\$ -	
TIGER ▶										\$ -	
		Grants Subtotal ▶		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other ▶	PVTA	Operating	N/A	\$ -	\$ -	\$ -	\$ -	\$ 17,208,912	\$ -	\$ 17,208,912	
		Operating Subtotal ▶		\$ -	\$ -	\$ -	\$ -	\$ 17,208,912	\$ -	\$ 17,208,912	
										\$ -	
		Total ▶		\$ 16,928,506	\$ 2,518,387	\$ 565,249	\$ -	\$ 17,208,912	\$ 2,063,206	\$ 39,284,260	
Fiscal Constraint Analysis											
Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	State Funding Source ▼				Programmed ▼	Available ▼	(+/-) ▼	
FFY 14 / 5307	\$ 12,074,234	\$ 12,074,234	\$ (0) Over Programmed	RTACAP	\$ 2,518,387	\$ 2,518,387	\$ 0	Available			
FFY 14 / 5309	\$ -	\$ -	\$ - Available	MAP	\$ 565,249	\$ 565,249	\$ -	Available			
FFY 14 / 5310	\$ 437,091	\$ 437,091	\$ - Available	SCA	\$ 17,332,947	\$ 17,332,947	\$ (0)	Over Programmed			
FFY 14 / 5311	\$ 34,661	\$ 34,661	\$ - Available	TDC	\$ -	\$ -	\$ -				

Table 17: FFY 2015 Transit Project Information

FTA Program ▼	Regional Transit Authority ▼	Project Description ▼	Carryover or Earmark Details ▼	Federal Funds ▼	State Match Sources				RTA Funds ▼	Total Cost ▼	
					RTACAP ▼	MAP ▼	TDC ▼	SCA ▼			
5307 ▶	PVTA	ITS	N/A	\$ 1,200,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	
	PVTA	Transit Enhancements	N/A	\$ 116,198	\$ 29,050	\$ -	\$ -	\$ -	\$ -	\$ 145,248	
	PVTA	Facility Rehab	N/A	\$ 76,000	\$ 19,000	\$ -	\$ -	\$ -	\$ -	\$ 95,000	
	PVTA	Environmental Compliance	N/A	\$ 28,000	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	
	PVTA	Maintenance Tools & Equipment	N/A	\$ 80,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	
	PVTA	Other Equipment	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	PVTA	Planning	N/A	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	
	PVTA	Buses	N/A	\$ 2,782,012	\$ 695,503	\$ -	\$ -	\$ -	\$ -	\$ 3,477,515	
	PVTA	Signage & Lighting	N/A	\$ 4,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	
	PVTA	Shelter Pads & Lighting Installation	N/A	\$ 20,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
	PVTA	IT Infrastructure	N/A	\$ 314,913	\$ 78,728	\$ -	\$ -	\$ -	\$ -	\$ 393,641	
	PVTA	Preventative Maintenance	N/A	\$ 4,560,000		\$ -	\$ -	\$ -	\$ 1,140,000	\$ 5,700,000	
	PVTA	ADA Assistance	N/A	\$ 1,200,000		\$ -	\$ -	\$ -	\$ 300,000	\$ 1,500,000	
	PVTA	Vans	N/A	\$ 1,855,338	\$ 463,835	\$ -	\$ -	\$ -	\$ -	\$ 2,319,173	
	PVTA	Maintenance Tools & Equipment	Carryover	\$ 534,177	\$ 133,544	\$ -	\$ -	\$ -	\$ -	\$ 667,721	
			5307 Subtotal ▶	\$ 12,970,638	\$ 1,802,660	\$ -	\$ -	\$ -	\$ 1,440,000	\$ 16,213,298	
5309 ▶	PVTA	Facility Rehab	Carryover	\$ 3,600,000	\$ 900,000					\$ 4,500,000	
	PVTA	Springfield Storage and Maintenance Facility	N/A	\$70,000,000						\$ 70,000,000	
	PVTA	Northampton Intermodal Facility	N/A	\$ 6,480,000			\$ 1,200,000			\$ 6,480,000	
			5309 Subtotal ▶	\$ 6,480,000	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -	\$ 6,480,000	
5310 ▶	PVTA	Lift Equipped Vans	N/A	\$ 364,665		\$ 471,588	\$ -	\$ -	\$ -	\$ 836,252	
	PVTA	Lift Equipped Minibuses	N/A	\$ 85,539		\$ 110,619	\$ -	\$ -	\$ -	\$ 196,158	
			5310 Subtotal ▶	\$ 450,204	\$ -	\$ 582,207	\$ -	\$ -	\$ -	\$ 1,032,410	
5311 ▶	PVTA	Rural Transit E&H		\$ 35,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,700	
			5311 Subtotal ▶	\$ 35,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,700	
5316 ▶	PVTA	No Projects Programmed	N/A	\$ 386,045	\$ -	\$ -	\$ -	\$ -	\$ 386,045	\$ 772,090	
			5316 Subtotal ▶	\$ 386,045	\$ -	\$ -	\$ -	\$ -	\$ 386,045	\$ 772,090	
5317 ▶	PVTA	Job Access Reverse Commute	N/A	\$ 255,857	\$ -	\$ -	\$ -	\$ -	\$ 255,857	\$ 511,713	
			5317 Subtotal ▶	\$ 255,857	\$ -	\$ -	\$ -	\$ -	\$ 255,857	\$ 511,713	
SoGR ▶		New Freedom								\$ -	
Livability ▶										\$ -	
TIGER ▶	PVTA	No Projects Programmed		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			Grants Subtotal ▶	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other ▶	PVTA	Operating	N/A	\$ -	\$ -	\$ -	\$ -	\$ 17,553,090	\$ -	\$ 17,553,090	
			Operating Subtotal ▶	\$ -	\$ -	\$ -	\$ -	\$ 17,553,090	\$ -	\$ 17,553,090	
			Total ▶	\$ 20,578,444	\$ 1,802,660	\$ 582,207	\$ 1,200,000	\$ 17,553,090	\$ 2,081,902	\$ 42,598,302	
Fiscal Constraint Analysis											
Federal Funding Source ▼	Programmed ▼	Available ▼	(+/-) ▼	State Funding Source ▼				Programmed ▼	Available ▼	(+/-) ▼	
FFY 12 / 5307	\$ 12,436,461	\$ 12,436,461	\$ (0) Over Programmed	RTACAP	\$ 1,802,660	\$ 2,702,660	\$ 900,000	Available			
FFY 12 / 5309	\$ -	\$ -	\$ - Available	MAP	\$ 582,207	\$ 582,207	\$ -	Available			
FFY 12 / 5310	\$ 450,204	\$ 450,204	\$ (0) Over Programmed	SCA	\$ 17,852,935	\$ 17,852,935	\$ (0)	Over Programmed			
FFY 12 / 5311	\$ 35,700	\$ 35,700	\$ - Available	TDC	\$ 1,200,000						

STATEWIDE FEDERAL AID PROJECT LISTING

The MassDOT provided each planning agency a listing of statewide items anticipated for FFY 2012 to 2015. These items are to be funded separately from the regional TIP program. This information is provided in the following Tables.

MassDOT Interstate Maintenance Program 2012 - 2015

Year	Route	Location	Proj. File	TFPCC	Dist.	TFPCC Adjust. For Inflation
2012	I-91	HOLYOKE- WEST SPRINGFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-91 (MM10.8 TO 15.0)	605594	\$16,452,096	2	
	I-495	FRANKLIN - BELLINGHAM - MEDWAY - MILFORD - INTERSTATE RESURFACING AND RELATED WORK ON I-495	606169	\$15,104,000	3	
	I-495	HAVERTHILL- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605598	\$17,794,400	4	
	I-93	BOSTON - SOMERVILLE - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-93	606167	\$10,738,000	6	
	I-495	MANSFIELD- NORTON - INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605591	\$12,838,400	5	
		WESTFORD- INTERSTATE MAINTENANCE & RELATED WORK ON I-495	605586	\$3,776,000	3	
		Total FFY2012:		\$76,702,896		
2013	I-190	WORCESTER- INTERSTATE MAINTENANCE & RELATED WORK ON I-190 (NB)	605588	\$6,590,400	3	\$8,934,016
	I-95	LYNNFIELD- WAKEFIELD- INTERSTATE MAINTENANCE & RELATED WORK ON I-95	605597	\$13,192,400	4	\$13,720,096
	I-95	FOXBOROUGH - INTERSTATE MAINTENANCE & RELATED WORK ON I-95	605596	\$8,307,200	5	\$8,639,488
	I-93	WILMINGTON- WOBURN- INTERSTATE MAINTENANCE & RELATED WORK ON ROUTE I-93	604879	\$12,253,120	4	\$12,743,245
	I-95	LEXINGTON - BURLINGTON - INTERSTATE RESURFACING AND RELATED WORK ON I-95	606170	\$29,647,500	4	\$30,833,400
		Total FFY2013:		\$71,990,620		\$74,870,245
2014	I-91	EASTHAMPTON NORTHAMPTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-91	606173	\$10,797,000	2	\$11,860,760
	I-84	BERNARDSTON - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	605592	\$9,027,000	2	\$9,749,160
	I-495	STURBRIDGE- HOLLAND- INTERSTATE MAINTENANCE & RELATED WORK ON I-84	606174	\$13,275,000	3	\$14,337,000
	I-195	CHELMSFORD - LOWELL - TEWKSBURY - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK	606172	\$13,888,000	4	\$14,783,040
	I-495N	NEW BEDFORD - FAIRHAVEN - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-195	606176	\$10,384,000	5	\$11,214,720
		FOXBOROUGH - PLAINVILLE - WRENTHAM - FRANKLIN - I. M. RESURFACING AND RELATED WORK ON I-195	606176	\$12,272,000	5	\$13,253,760
		Total FFY2014:		\$69,443,000		\$74,998,440
2015	I-95	SHARON - INTERSTATE RESURFACING AND RELATED WORK ON I-95	606171	\$8,326,080	5	\$9,325,210
	I-495	FOXBOROUGH - PLAINVILLE - WRENTHAM - FRANKLIN - I. M. RESURFACING AND RELATED WORK ON I-195	606176	\$9,515,520	5	\$10,857,382
	I-95	DANVERS TOPSFIELD MIDDLETON RESURFACING ON I-95		\$19,328,400	4	\$21,647,808
	I-495	CHELMSFORD		\$8,722,560	4	\$9,769,267
	I-190	STERLING		\$9,664,200	3	\$10,823,904
		HATFIELD WHATELY		\$11,151,000	2	\$12,489,120
		Total FFY2015:		\$66,707,760		\$74,712,691

MassDOT - NHS Pavement Preservation Program 2012 - 2015

Year	NHS Route	Location	Proj. File	TFPCC	Dist.	TFPCC Adjust. for Inflation
2012	2	ACTON- BOXBOROUGH- LITTLETON- RESURFACING & RELATED WORK ON ROUTE 2	604472	\$6,087,564	3	
	24	RANDOLPH- CANTON- RESURFACING & RELATED WORK ON ROUTE 24	605607	\$5,890,415	6	
		Total FFY2012:		\$11,977,979		
2013	3	WEYMOUTH- RESURFACING & RELATED WORK ON ROUTE 3	605602	\$3,416,000	6	\$3,552,640
	114	MIDDLETON	606126	\$1,592,100	4	\$1,655,784
	6	BOURNE SANDWICH RESURFACING OF ROUTE 6 (MID CAPE HIGHWAY)	606286	\$6,405,000	5	\$6,661,200
		Total FFY2013:		\$11,413,100		\$11,869,624
2014	20	NORTHBOROUGH- RESURFACING & RELATED WORK ON ROUTE 20	605610	\$3,079,800	3	\$3,326,184
	6	DENNIS - HARWICH - BREWSTER - ORLEANS - RESURFACING AND RELATED WORK ON RT. 6	606179	\$5,706,480	5	\$6,162,998
	7	LENOX - PITTSFIELD RESURFACING AND RELATED WORK ROUTE 7		\$2,309,850	1	\$2,494,638
		Total FFY2014:		\$11,096,130		\$11,983,820
2015	7	SHEFFIELD - GREAT BARRINGTON - RESURFACING AND RELATED WORK ON US RT. 7	606180	\$3,172,000	1	\$3,552,640
	9	CUMMINGTON RESURFACING AND RELATED WORK ON US ROUTE 9	605582	\$7,583,520	1	\$8,483,542
		Total FFY2015:		\$10,755,520		\$12,046,182

FFY2012 -2015 Safe Routes to Schools Program Projects

Project #	Discription	Total Federal Participating Cost
FFY2012		
606225	EASTON- SAFE ROUTES TO SCHOOL (F.L. OLMSTED SCHOOL)	\$475,000
606520	NEWTON-SAFE ROUTES TO SCHOOL PROJECT AT BOWEN SCHOOL INVOLVING TRANSPORTATION IMPROVEMENTS ALONG CYPRESS STREET AND PARKER STREET.	\$450,000
605872	SWAMPSCOTT- SAFE ROUTES TO SCHOOL (STANLEY SCHOOL)	\$425,000
FFY2013		
606521	BRAINTREE- SAFE ROUTES TO SCHOOL (ROSS ELEMENTARY SCHOOL)	\$553,000
606519	BROCKTON- SAFE ROUTES TO SCHOOL (BROOKFIELD ELEMENTARY SCHOOL)	\$618,000
616516	WAKEFIELD- SAFE ROUTES TO SCHOOLS (DOLBEARE SCHOOL)	\$513,000
FFY2014		
	MANCHESTER-BY-THE-SEA- SAFE ROUTES TO SCHOOL (MEMORIAL ELEMENTARY)	\$400,000
	PITTSFIELD -SAFE ROUTES TO SCHOOL (CONTE SCHOOL)	\$546,000
	WORCESTER- SAFE ROUTES TO SCHOOL (ELM PARK SCHOOL)	\$583,000
FFY2015		
	MILTON- SAFE ROUTES TO SCHOOL- (GROVER ELEMENTARY)	\$556,000
	MALDEN- SAFE ROUTES TO SCHOOL- (BEEBE SCHOOL)	\$462,000
	NORTH ANDOVER- SAFE ROUTES TO SCHOOL (NORTH ANDOVER MIDDLE)	\$630,000

NOTE: Safe Routes to Schools funding is 100% federal.

FFY2012 -2014 Statewide Congestion Mitigation and Air Quality Improvement (CMAQ) Program

	Description	Total Federal Participating Cost
FFY2012	Vanpool subsidy program Truck stop electrification project Alternative fuels vehicles purchase MassRIDES Statewide Travel Options program	\$490,000 \$500,000 \$3,416,000 \$2,294,000
FFY2013	Vanpool subsidy program Alternative fuels vehicles purchase MassRIDES Statewide Travel Options program	\$490,000 \$3,210,194 \$2,549,806
FFY2014	Vanpool subsidy program Alternative fuels vehicles purchase MassRIDES Statewide Travel Options program	\$490,000 \$3,141,195 \$2,618,805

MassDOT - Highway Statewide ITS Program

Year	Route/Location	Description	Proj File #	District	Total Federal Participating Cost (FFC)	Ad Date	A&E Board Request Sent
2012	I-95, Rte 2, I-495, Rte 3	Highway Assistance Patrols, Area 1, 6 routes, 3 year contract*	606426	4	\$ 2,240,000.00	11/5/2011	2/25/2011
	I-93, I-95, Rte 1	Highway Assistance Patrols, Area 2, 5 routes, 3 year contract*	606427	4	\$ 1,840,000.00	11/5/2011	2/25/2011
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 3, 5 routes, 3 year contract*	606428	6	\$ 1,840,000.00	11/5/2011	2/25/2011
	I-495, I-95, Rte 24	Highway Assistance Patrols, Area 4, 4 routes, 3 year contract*	606429	5	\$ 1,600,000.00	11/5/2011	2/25/2011
	I-395, I-290, I-190, I-495, Rte 2	Highway Assistance Patrols, Area 5, 4 routes, 3 year contract*	606430	3	\$ 1,600,000.00	11/5/2011	2/25/2011
	I-91, I-291, I-391	Highway Assistance Patrols, Area 6, 1 route, 3 year contract* *will need to A/C money to meet obligational need	606431	2	\$ 480,000.00	11/5/2011	2/25/2011
		Total Federal Fiscal Year 2012			\$ 9,600,000.00		
2013	I-93 Braintree/Quincy/Boston	HOV lane Tow Truck Services for 2 years	606497	6	\$ 500,000.00		
	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract	606498	6	\$ 800,000.00	does not require an ad date	
	I-93 Braintree/Quincy/Boston	HOV lane operating expenses for 2 years		6	\$ 900,000.00	does not require an ad date	
	Statewide	Consultant Services Contract for ITS design and support services	606414	Statewide	\$ 500,000.00	does not require an ad date	
	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$ 500,000.00	does not require an ad date	
	I-95 in Burlington, Reading, Woburn	Expansion of Fiber and CCTV, VMS & the Traffic Sensor Network	606432	4	\$ 2,000,000.00	does not require an ad date	
	Statewide	HOC and ITS field equipment operational expenses for 2 years (all 2013 projects include 4% for inflation)		Statewide	\$ 1,000,000.00	does not require an ad date	
		Total Federal Fiscal Year 2013			\$ 6,250,000.00		
2014	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$ 750,000.00	does not require an ad date	
	Statewide	Consultant Services Contract for ITS design and support services		Statewide	\$ 500,000.00	does not require an ad date	
	Statewide	Expansion of CCTV, VMS & the Traffic Sensor Network		Statewide	\$ 2,000,000.00		
	Statewide	Deploy Critical Infrastructure Surveillance		Statewide	\$ 2,000,000.00		
	Statewide	ITS portion of Interstate Maintenance (IM) projects (all 2014 projects include 8% for inflation)		Statewide	\$ 1,000,000.00		
		Total Federal Fiscal Year 2014			\$ 6,250,000.00		
2015	I-93 Braintree/Quincy/Boston	HOV lane Tow Truck Services for 2 years*		6	\$ 200,000.00		
	I-93 Braintree/Quincy/Boston	HOV lane BTV Operator Contract, 2 year contract*		6	\$ 400,000.00		
	I-95, Rte 2, I-495, Rte 3	Highway Assistance Patrols, Area 1, 6 routes, 3 year contract*		4	\$ 1,450,000.00		
	I-93, I-95, Rte 1	Highway Assistance Patrols, Area 2, 5 routes, 3 year contract*		4	\$ 1,100,000.00		
	I-93, Rte 3, I-95, Rte 24	Highway Assistance Patrols, Area 3, 5 routes, 3 year contract*		6	\$ 1,100,000.00		
	I-495, I-95, Rte 24	Highway Assistance Patrols, Area 4, 4 routes, 3 year contract*		5	\$ 900,000.00		
	I-395, I-290, I-190, I-495, Rte 2	Highway Assistance Patrols, Area 5, 4 routes, 3 year contract*		3	\$ 900,000.00		
	I-91, I-291, I-391	Highway Assistance Patrols, Area 6, 1 route, 3 year contract* *will need to A/C money to meet obligational need		2	\$ 200,000.00		
		(all 2015 projects include 12% for inflation)					
		Total Federal Fiscal Year 2015			\$ 6,250,000.00		

7/26/2011

MassDOT - Highway Division

JULY 26, 2011

Draft 2012 Statewide Highway Safety Improvement Program

Project #	Location	Description	estimate as of 7/21/2011
605698	MVPC Haverhill	Haverhill 495 Cable barrier	Total Federal
606466	STATEWIDE	Stop-controlled low cost intersection fixes	Participating Cost
605216	MRPC Lancaster	Route 2 acceleration tie to Route 70 project	\$100,000.00
	SRPEDD Attleboro	I-95 SB to I-295 SB - Highest truck rollover location in the State	\$1,947,000.00
605442	PVPC Springfield	Structural signing West Springfield - Longmeadow (Top 5% interstate crash rate in Springfield)	\$853,000.00
			\$800,000.00
			\$1,300,000.00
			TOTAL STATEWIDE 2012 HSIP
			\$5,000,000.00

Note: HSIP funding requires 10% in non-federal matching funds. The costs provided here include this 10% matching funds

PROJECT IMPLEMENTATION

The TIP is also used as a management tool for monitoring the progress and implementation of the RTP and previous TIP's. The award status of FFY 2010-2011 TIP projects are identified in the table 18.

Table 18: Project Implementation

Year	FY2010 Highway Project Description	Municipality	SID	Funding	Programmed	Status
2010	*I-91 ITS (\$30,761,644)	Region Wide	603903	STP	\$1,565,999	Construction
2010	*Main St. (Rte. 20) and Park Square Hwy Improvement (\$15,000,000)	Westfield	603318	STP/ER	\$15,000,000	Construction
2010	*Manhan Rail Trail Coleman Road Extension (\$1,176,000)	Easthampton	604441	STP	\$103,923	Complete
2010	*Routes 10/202 resurfacing (Center) (\$5,467,531)	Southwick	604154	STP/ER/HSIP	\$2,289,664	Construction
2010	*Intersection improvements, Chapin at East Street	Ludlow	604437	STP/ER	\$1,301,020	Complete
2010	Mahan Rail Trail Bridge over Manhan River	Northampton / Easthampton	605728	STP	\$620,000	Construction
2010	*Rte 116 Atkins Corner (\$7,508,980 MHD price 6/30/09)	Amherst	604043	STP/ER	\$7,508,980	Construction
2010	East Street reconstruction (Footprint)	Chesterfield	604718	ER**	\$3,305,000	Complete
2010	Pioneer Valley Transit Authority Operating Assistance Flex Resurface and Related Work Burnett Rd: New Lombard to Ludlow T.L.	Region wide		ER**	\$1,625,945	Construction
2010	Resurface and Related Work Westfield Rd (202): Ashley Rd To Old County Rd	Chicopee	605709	ER**	\$1,100,000	Complete
2010	Resurfacing and Related Work Westfield Rd (202): Ashley Rd To Old County Rd	Holyoke	605643	ER**	\$1,545,000	Complete
2010	Resurfacing and Related Work Hadley Street (47)	South Hadley	605673	ER**	\$1,500,000	Complete
2010	Landscaping on Columbus Avenue (East & West) along I-91 Ramp relocation	Springfield	603543	ER**	\$1,800,000	Complete
2010	Route 116 Resurfacing S/O Route 9 to Hampshire College Entrance	Amherst	605648	ER**	\$2,300,000	Complete
2011	North end and Brightwood Infrastructure Improvements (South) (\$3,384,690)	Springfield	604449	STP	\$3,205,372	Awarded April 5, 2011
2011	*Westfield Street Route 20 reconstruction (\$5,906,720)	West Springfield	604737	STP	\$5,606,720	P,S,&E Received for final review 4/22/2011
2011	*Westfield Street Route 20 reconstruction (\$5,906,720)	West Springfield	604737	STP-E	\$300,000	P,S,&E Received for final review 4/22/2011
2011	*Main St. (Rte. 20) and Park Square Hwy Improvement (\$15,000,000)	Westfield	603318	A/C STP	\$3,137,585	Construction
2011	MORGAN ST. FROM RT.116 to SO.HADLEY T.L. and ROUTE 202 FROM CT. RIVER TO RT.116	South Hadley	606218	STP	\$2,521,602	Awarded June 1, 2011
2011	*Pleasant Street (\$1,650,000)	Holyoke	602925	STP	\$1,650,000	100% comments submitted to designer May 2011
2011	**Chicopee Riverwalk - Design only	Chicopee	602912	CMAQ	\$212,500	Design only
2011	*Main St. (Rte. 20) and Park Square Hwy Improvement (\$15,000,000)	Westfield	603318	A/C STP	\$1,138,740	Construction
2011	Westfield Street Route 20 reconstruction	West Springfield	604737	A/C HSIP	\$1,080,992	P,S,&E Received for final review 4/22/2011
2011	*Westfield Street Route 20 reconstruction (\$5,906,720)	West Springfield	604737	STP-E	\$150,000	P,S,&E Received for final review 4/22/2011
2011	Bridge Replacement River Road over Mill River	Northampton	603729	BR	\$2,277,760	July 6, 2011 Letting
2011	Bridge Replacement Pochassic Street over PV RR & Access R	Westfield	160045	BR	\$5,615,460	75% Awarded 5/17/2011
2011	Bridge replacement Roosevelt Ave over Contrail Spur & Main (Springfield	602600	BR	\$14,695,385	\$7,493,403
2011	Great River Bridge	Westfield	600933	A/C Bridge	\$1,000,000	Construction
2011	Bridge Rehabilitation Route 116 Chicopee/Cabot St. over Con	Chicopee/Holyoke	82611	A/C Bridge	\$8,000,000	Awarded 3/15/2011 for \$19,257,704
2011	I-91 Interstate Pavement rehabilitation	West Springfield	605587	IM	\$7,095,381	Awarded June 1, 2011

Air Quality Conformity Determination

Pioneer Valley MPO

FFY 2012-2015 Transportation Improvement Program

Background

The Commonwealth of Massachusetts is classified as serious nonattainment for ozone, and is divided into two nonattainment areas. The Eastern Massachusetts ozone nonattainment area includes Barnstable, Bristol, Dukes, Essex, Middlesex, Nantucket, Norfolk, Suffolk, and Worcester counties. Berkshire, Franklin, Hampden, and Hampshire counties comprise the Western Massachusetts ozone nonattainment area. With these classifications, the 1990 Clean Air Act Amendments (CAAA) required the Commonwealth to reduce its emissions of volatile organic compounds (VOCs) and nitrogen oxides (NO_x), the two major precursors to ozone formation to achieve attainment of the ozone standard. In April 2002, the City of Springfield was re-designated to attainment for carbon monoxide with an EPA-approved limited maintenance plan (see the 2012 Regional Transportation Plan for more details).

The CAAA also required Metropolitan Planning Organizations (MPOs) within nonattainment areas to perform conformity determinations prior to the approval of their Regional Transportation Plans (RTPs) and Transportation Improvement Programs (TIPs). Periodically, air quality analyses are conducted on all the RTPs, the purposes of which are to evaluate the RTPs' air quality impacts on the SIP. Conformity determinations are then performed to ensure that all regionally significant projects are included in the RTPs and the TIPs, and that they meet the air quality goals of the SIP. The Federal Highway Administration (FHWA) – in consultation with the Environmental Protection Agency (EPA New England) and the Massachusetts Department of Environmental Protection (DEP) – confirm and approve these conformity determinations (more details and background of major conformity milestones in recent years are provided in the Pioneer Valley MPO 2012 Regional Transportation Plan).

Previously, the Massachusetts Department of Transportation found the emission levels from the 2007 Regional Transportation Plans – as well as from the more recent 2011-2014 TIPs – to be in conformance with the SIP. Each MPO had certified (and continues to certify) that all activities outlined in its RTP and its TIP:

- will not cause or contribute to any new violation of any standard in any area;
- will not increase the frequency or severity of any existing violation of any standard in any area; and,
- will not delay the timely attainment of any standard or any required interim emission reductions or other milestones in any area.

Key elements of this FY 2012–2015 TIP related to air quality conformity are as follows:

- This TIP is financially constrained, and all projects in the TIP come from the conforming Pioneer Valley MPO 2012 Regional Transportation Plan.
- All regionally significant projects included in the TIP have been included in the air quality analysis for the conforming Plan. These projects are of the same design and concept as presented in the RTP.
- Because projects in the TIP come from the conforming RTP, *and* all regionally significant RTP projects for 2012 through 2015 (both Federal and Non-Federal Aid) are programmed in the TIP, the same air quality analysis used for the RTP can be used for the TIP.
- Therefore, same set of analysis results are being used in both this TIP and the Pioneer Valley MPO 2012 RTP for determinations of air quality conformity.
- Therefore, this TIP, in combination with the TIPs from the other MPOs in the nonattainment area, demonstrates air quality conformity.

Timely Implementation of Transportation Control Measures

Transportation Control Measures (TCMs) have been required in the SIP in revisions submitted to EPA in 1979 and 1982. All SIP TCMs have been accomplished through construction or through implementation of ongoing programs. All of the projects have been included in the Region's Transportation Plan (present or past) as recommended projects or projects requiring further study.

DEP submitted to EPA its strategy of programs to show Reasonable Further Progress of a 15% reduction of VOCs in 1996 and the further 9% reduction of NO_x toward attainment of the National Ambient Air Quality Standards (NAAQS) for ozone in 1999. Within that strategy there are no specific TCM projects. The strategy does call for traffic flow improvements to reduce congestion and, therefore, improve air quality. Other transportation-related projects that have been included in the SIP control strategy are listed below:

- *Enhanced Inspection and Maintenance Program*
- *California Low Emission Vehicle Program*
- *Reformulated Gasoline for On- and Off-Road Vehicles*
- *Stage II Vapor Recovery at Gasoline Refueling Stations*
- *Tier I Federal Vehicle Standards*

Air Quality Conformity Analysis

On April 2, 2008, EPA found that the 2008 and 2009 motor vehicle emissions budgets (MVEBs) in the January 31, 2008 Massachusetts 8-hour ozone State Implementation Plan revision were adequate for transportation conformity purposes. The submittal included 2008 and 2009 MVEBs for the Boston-Lawrence-Worcester (Eastern Massachusetts) and Springfield (Western Massachusetts) 8-hour ozone nonattainment areas. Massachusetts submitted these budgets as part of the 8-hour ozone attainment demonstration and reasonable further progress plan for both nonattainment areas, and as a result of EPA's adequacy finding, these budgets were required to be used for conformity determinations. EPA later determined (in 2010) that only the most recent MVEBs - 2009 - be used for future conformity determinations.

In 2010, air quality analyses were conducted on behalf of all the 2011-2014 Regional Transportation Improvement Programs (TIPs), the purposes of which were to evaluate the TIPs' air quality impacts on the SIP. Conformity determinations were performed to ensure that all regionally significant projects were included in the TIPs. The Massachusetts Department of Transportation found the emission levels from the 2011-2014 TIPs to be in conformance with the SIP. On November 15, 2010, EPA confirmed that both the Eastern and Western Massachusetts Non-Attainment areas collectively demonstrated transportation conformity, with concurrence from Massachusetts DEP on 11/23/10. On December 22, 2010, FHWA and FTA determined that the TIPs were in conformity with the Clean Air Act and the EPA conformity regulations (40 CFR Part 51).

The conformity test is to show consistency with the emissions budgets set forth in the SIP. Additional specific information regarding the analysis and modeling methods, latest planning assumptions, and consultation procedures are all detailed in the Pioneer Valley MPO 2012 RTP and appendices. The emissions from the following MPOs have been combined to show conformity with the SIP for the Western Massachusetts Nonattainment Area:

- Berkshire Region MPO
- Franklin Regional Council of Governments*
- Pioneer Valley MPO

* This region does not contain any official urbanized areas, but is considered to be an MPO for planning purposes.

The milestone and analysis year transportation model networks are composed of projects proposed in this 2012-2015 TIP. Projects in these networks consist of all in-place "regionally significant" projects that can reasonably be expected to be completed by a given analysis/horizon year with consideration of available funding commitments. This project group would include, but not be limited to, regionally significant projects where at least one of the following steps has occurred within the past three years:

- Comes from the first year of a previously conforming TIP,
- Completed the NEPA process, or
- Currently under construction or are undergoing right-of-way acquisition

A complete listing of future regionally significant projects for the entire Western Massachusetts Ozone Non-Attainment Area is provided below:

Regionally Significant Projects Included in the Conformity Analysis for the Western Massachusetts Ozone Non-Attainment Area

Analysis Year	Community	Project Description – Pioneer Valley Region
2016	Chicopee	Deady Bridge signal coordination: Broadway/Montgomery, Main, and Belcher Streets
2016	Hadley	Route 9 widening Home Depot to Lowes.
2016	Holyoke, W.Springfield	Route 5 signal coordination from Ashley Ave. to Main St.
2016	Springfield,Wilbraham	Boston Rd. signal coordination Pasco Rd. to Stony Hill Rd.
2016	Westfield	Route 10/202 Great River Bridge - two bridges acting as one-way pairs.
2016	West Springfield	Improve the Union Street Railroad Underpass. Construct a truck bypass road.
2016	Through Region	Additional “Vermont” passenger rail service
2020	Chicopee/South Hadley	Route 33 signal coordination and upgrades from Abbey St. to Fuller Rd.
2020	Hadley	Route 9 widening Middle Street to Lowes.
2020	Ludlow	Route 21 Center Street reconstruction and widening with center turn lane
2020	Northampton	Damon Rd. widening, improvements from Rte 9 to King St.
2020	Through Region	New Commuter Rail Service: Hartford, CT to Greenfield, MA
2025	Agawam	Connector, Route 5 to Route 57, eliminate rotary.
2025	Holyoke	Linden St. signal coordination and improvements at 5 intersections.
2025	Longmeadow	Route 5 signal coordination, improvements Converse St to Springfield city line.
2025	Westfield	Route 10/202 Elm Street, North Elm Street signal coordination.
2035	Agawam, Longmeadow, Springfield	South End Bridge improvements, including related work on I-91 between Exits 1-3.
2035	Agawam, West Springfield	Improvement to Route 5 access ramps for truck routing, route into CSX railyard.
Analysis Year	Community	Project Description – Berkshire Region
2016	Great Barrington	Main St .intersection improvements, signalization upgrades and add turning lanes
2020	Pittsfield	Intersection widening, turning lane improvements First/Tyler & Tyler/Stoddard Ave
2025	Great Barrington	Realign & widen State Rd., including new bridge to replace the current Brown Bridge
2025	Lanesboro/Cheshire	Construct passing lanes on Route 8 between Mall Road and truck weighing station
2025	Pittsfield	Safety and capacity improvements on East St. between Elm St. and Merrill Road
2035	Pittsfield	Construct connector street from W. Housatonic St. to West St. near CSX yard
Analysis Year	Community	Project Description - Franklin Region
2016	Through Region	Additional “Vermont” passenger rail service
2020	Greenfield, Deerfield, Whately	New Commuter Rail Service: Hartford, CT to Greenfield, MA

Using the latest planning assumptions, the Massachusetts Department of Transportation, Office of Transportation Planning, in coordination with MPO staff, estimated the emissions for VOC and NOx for all MPOs in Western Massachusetts through the statewide travel demand model. The VOC mobile source emission budget for 2009 for the Western Massachusetts Nonattainment Area has been set at 10.73 tons per summer day and the 2009 mobile source budget for NOx is 27.73 tons per summer day. As shown in Tables 1 and 2, the results of the air quality analysis demonstrate that the VOC and NOx emissions from all Action scenarios are less than the VOC and NOx emissions budgets for the Western Massachusetts Nonattainment Area:

TABLE 1
VOC Emissions Estimates for the Western Massachusetts Ozone Nonattainment Area
(all emissions in tons per summer day)

Year	PVMPO Action Emissions	Western MA Action Emissions	Budget	Difference (Action – Budget)
2010	n/a	10.947	n/a	n/a
2016	4.3623	6.832	10.73	-3.898
2020	3.8353	5.979	10.73	-4.751
2025	3.5568	5.534	10.73	-5.196
2035	3.5888	5.602	10.73	-5.128

TABLE 2
NOx Emissions Estimates for the Western Massachusetts Ozone Nonattainment Area
(all emissions in tons per summer day)

Year	PVMPO Action Emissions	Western MA Action Emissions	Budget	Difference (Action – Budget)
2010	n/a	27.736	n/a	n/a
2016	7.5545	11.751	27.73	-15.979
2020	4.8899	7.732	27.73	-19.998
2025	3.6575	5.774	27.73	-21.956
2035	3.1062	5.018	27.73	-22.712

In summary, this TIP is derived from the conforming 2012 Regional Transportation Plan, and the conformity determination analysis has been prepared in accordance with EPA’s final conformity regulations. The air quality analyses outlined in this document demonstrate that the implementation of the TIP satisfies the conformity criteria where applicable and is consistent with the air quality goals in the Massachusetts SIP.

Specifically, the Pioneer Valley MPO has found the emission levels from this FY 2012-2015 TIP – in combination with the emission levels from the other MPOs in its nonattainment area – demonstrate conformity with the SIP, the Clean Air Act, and the EPA conformity regulations (40 CFR part 51). .

APPENDICES

APPENDIX A: MassDOT Targets

Summary of Proposed FFY 2012 - 2015 MPO Targets

July 7, 2021

	Current 2012	Proposed 2012	Current 2013	Proposed 2013	Current 2014	Proposed 2014	Proposed 2015
Base Obligation Authority Redistribution, as Estimated by FHWA	\$560,000,000 \$40,000,000	\$560,000,000 \$0	\$560,000,000 \$40,000,000	\$560,000,000 \$0	\$560,000,000 \$40,000,000	\$560,000,000 \$0	\$560,000,000 \$0
Total Estimated Obligation Authority Available: Central Artery/Tunnel Obligation Authority	\$600,000,000 -\$105,900,000	\$560,000,000 -\$100,125,000	\$600,000,000 \$170,555,000	\$560,000,000 -\$170,710,000	\$600,000,000 -\$163,755,000	\$560,000,000 -\$178,350,000	\$560,000,000 -\$150,000,000
Total Non-Earmarked OIA Available Statewide	\$434,040,000	\$399,875,000	\$423,445,000	\$389,290,000	\$416,265,000	\$381,610,000	\$410,000,000
Total Non-Earmarked Available Statewide (Including State Match)	\$524,862,500	\$488,690,972	\$511,056,250	\$475,737,500	\$504,066,250	\$466,137,500	\$501,625,000
Statewide Infrastructure Items:							
Statewide Infrastructure Program	\$1,500,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000
Statewide Safety Program*	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide HSIP Program	\$2,500,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000
Statewide State Routes to Schools Program	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000
Statewide CMAQ	\$9,500,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Transportation Enhancements	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000
Statewide Recreational Trails	\$763,000	\$1,197,500	\$763,000	\$763,000	\$763,000	\$763,000	\$763,000
Statewide ITS	\$6,375,000	\$9,600,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Design and Right of Way	\$0	\$2,000,000	\$3,000,000	\$2,000,000	\$3,000,000	\$2,000,000	\$2,000,000
Statewide Interstate Maintenance Program	\$70,000,000	\$7,222,222	\$70,000,000	\$75,000,000	\$70,000,000	\$75,000,000	\$75,000,000
Statewide NHS Preservation Program	\$12,000,000	\$12,000,000	\$9,178,750	\$12,000,000	\$9,178,750	\$12,000,000	\$12,000,000
Statewide Railroad Grade Crossings	\$500,000	\$3,000,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
Statewide Tunnel	\$25,000,000	\$25,000,000	\$0	\$0	\$0	\$0	\$0
Statewide stormwater retrofits	\$0	\$10,000,000	\$0	\$10,000,000	\$0	\$10,000,000	\$10,000,000
Subtotal Statewide Infrastructure Items:	\$135,158,000	\$164,259,722	\$110,961,750	\$130,783,000	\$110,961,750	\$130,783,000	\$130,783,000
Other Statewide Items:							
Award Adjustments, Change Orders, Project Value Changes, Etc. Planning	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000
Subtotal Other Statewide Items:	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000
Regional Major Infrastructure Projects:	\$40,000,000	\$0	\$40,000,000	\$21,875,000	\$40,000,000	\$15,825,000	\$40,000,000
Bridge Program:							
Statewide Bridge Repl. / Rehab Program	\$110,765,828	\$122,309,000	\$121,483,328	\$121,483,328	\$121,483,328	\$121,483,328	\$121,483,328
Statewide Bridge Preservation Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide Bridge Inspection Program	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$123,045,828	\$128,759,000	\$127,733,328	\$127,733,328	\$127,733,328	\$127,733,328	\$127,733,328
Regional Targets:							
Minimum Regional CMAQ Component:	\$0	\$0	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$16,000,000	\$16,000,000	\$16,000,000	\$16,000,000	\$16,000,000	\$16,000,000	\$16,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$110,906,673	\$119,911,250	\$102,611,173	\$99,596,173	\$103,611,173	\$95,246,173	\$106,356,673
Total Regional Target	\$128,966,673	\$128,911,250	\$133,611,173	\$128,996,173	\$133,611,173	\$125,246,173	\$136,356,673

* Statewide Safety Program replaced by Statewide HSIP Program

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2012
FEDERAL REGIONAL TARGETS
July 7, 2011

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$560,000,000		
Redistribution, as Estimated by FHWA	\$0		
Total Estimated Obligation Authority Available:	\$560,000,000		
Central Artery/Tunnel Obligation Authority	(160,125,000)		revised CA/T scheduled
Total Non-Examined Available Statewide - (Including Redistribution)	399,875,000	88,815,972	488,690,972
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSIP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	950,000	\$237,500	\$1,187,500
Statewide ITS	7,680,000	\$1,920,000	\$9,600,000
Statewide Design and Right of Way	1,800,000	\$400,000	\$2,000,000
Statewide Interstate Maintenance Program	69,500,000	\$7,722,222	\$77,222,222
Statewide NHS Preservation Program	9,600,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	2,400,000	\$600,000	\$3,000,000
Statewide Transit	20,000,000	\$5,000,000	\$25,000,000
Statewide stormwater retrofits	8,000,000	\$2,000,000	\$10,000,000
Subtotal Statewide Infrastructure Items:	\$140,330,000	\$23,928,722	\$164,258,722
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$0	\$0	\$0
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	\$88,000,000	\$24,000,000	\$112,000,000
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$93,000,000	\$25,250,000	\$118,250,000
Total Regional Targets:	\$103,145,000	\$25,788,250	\$128,933,250
Minimum Regional CMAQ Component:	\$0	\$0	\$0
Minimum Regional HSIP Component:	\$8,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSIP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5506	\$355,964	\$0	\$4,589,494	\$4,233,529
Boston Region	42.9571	\$4,295,710	\$0	\$55,398,024	\$51,101,313
Cape Cod	4.5851	\$458,514	\$0	\$5,911,690	\$5,453,169
Central Mass	8.6901	\$869,013	\$0	\$11,204,295	\$10,335,291
Franklin Region	2.5397	\$253,975	\$0	\$3,274,528	\$3,020,552
Martha's Vineyard	0.3100	\$30,997	\$0	\$399,647	\$368,650
Merrimack Valley	4.4256	\$442,555	\$0	\$5,711,083	\$5,269,129
Northachusetts	4.4586	\$445,855	\$0	\$5,748,759	\$5,303,803
Northeast	0.2200	\$21,998	\$0	\$283,620	\$261,623
Northern Middlesex	3.9386	\$393,861	\$0	\$5,040,708	\$4,649,747
Old Colony	4.5556	\$455,564	\$0	\$5,878,877	\$5,422,723
Pioneer Valley	10.8059	\$1,080,592	\$0	\$13,937,364	\$12,858,372
Southeastern Mass	8.9501	\$895,010	\$0	\$11,552,374	\$10,656,364
Total:	100.00	\$10,000,000	\$0	\$128,931,250	\$118,931,250

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation
Office of Transportation Planning

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2013
FEDERAL REGIONAL TARGETS
July 7, 2011

	Obligation Authority	Obl. Auth. Matching State Funds	Total Funding Based On Obl. Auth.
Base Obligation Authority	\$500,000,000		
Redistribution, as Estimated by FHWA	90		
Total Estimated Obligation Authority Available:	\$500,000,000		
Central Artery/Tunnel Obligation Authority	(170,710,000)		revised CA/T added
Total Non-Emarked Available Statewide - (Including Redistribution)	389,290,000	86,447,500	475,737,500
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	629,400	\$159,600	\$789,000
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000
Statewide Design and Right of Way	1,800,000	\$400,000	\$2,200,000
Statewide Interstate Maintenance Program	\$7,500,000	\$7,500,000	\$75,000,000
Statewide NHS Preservation Program	\$800,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	0	\$0	\$0
Statewide stormwater retrofits	5,000,000	\$2,000,000	\$10,000,000
Subtotal Statewide Infrastructure Items:	\$113,329,400	\$17,498,600	\$130,828,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$17,500,000	\$4,375,000	\$21,875,000
Bridge Programs:			
Statewide Bridge Repl./ Rehab Program	\$97,188,662	\$24,298,666	\$121,487,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Programs:	\$102,188,662	\$25,548,666	\$127,737,328
Total Regional Targets:	\$102,876,500	\$25,719,235	\$128,595,735
Minimum Regional CMAQ Component:	\$10,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSP Component:	\$3,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum	Regional Minimum	Total Regional Target	STP
		HSP Component With State Match	CMAQ Component With State Match		
Berkshire Region	3.5596	\$355,864	\$711,829	\$4,577,588	\$3,588,673
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$65,254,051	\$42,393,919
Cape Cod	4.5851	\$458,514	\$917,028	\$5,886,318	\$4,528,774
Central Mass	8.6901	\$869,013	\$1,738,026	\$11,175,178	\$6,568,137
Franklin Region	2.5397	\$253,975	\$507,949	\$3,266,916	\$2,594,082
Martha's Vineyard	0.3100	\$30,997	\$61,994	\$388,608	\$388,619
Metrowest Valley	4.4296	\$442,956	\$885,911	\$5,886,241	\$4,397,374
Worcester	4.4596	\$445,955	\$891,911	\$5,734,816	\$4,396,950
Nantucket	0.2200	\$21,999	\$43,998	\$282,883	\$216,890
Northern Middlesex	3.9096	\$390,961	\$781,922	\$5,027,608	\$3,854,725
Old Colony	4.5595	\$455,954	\$911,909	\$5,883,389	\$4,493,536
Pioneer Valley	10.0099	\$1,000,992	\$2,001,984	\$13,981,142	\$10,699,166
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$11,527,351	\$6,834,320
Total:	100.00	\$10,000,000	\$20,000,000	\$128,596,173	\$88,596,173

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2014
FEDERAL REGIONAL TARGETS
July 7, 2011

	Obligation Authority	Obt. Auth. Matching State Funds	Total Funding Based On Obt. Auth.
Base Obligation Authority	\$900,000,000		
Redistribution, as Estimated by FHWA	\$0		
Total Estimated Obligation Authority Available:	\$900,000,000		
Central Artery/Tunnel Obligation Authority	(176,390,000)		revised CA/T added
Total Non-Emarked Available Statewide - (Including Redistribution)	381,610,000	\$4,527,500	466,137,500
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,000,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSP Program	4,500,000	\$900,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,000,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000
Statewide Design and Right of Way	1,000,000	\$400,000	\$2,000,000
Statewide Interstate Maintenance Program	\$7,500,000	\$7,500,000	\$75,000,000
Statewide NHS Preservation Program	9,000,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	0	\$0	\$0
Statewide stormwater retrofits	9,000,000	\$2,000,000	\$10,000,000
Subtotal Statewide Infrastructure Items:	\$113,326,400	\$17,496,600	\$136,783,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$8,750,000	\$43,750,000
Planning	18,400,000	\$4,000,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$12,500,000	\$3,125,000	\$15,625,000
Bridge Program:			
Statewide Bridge Repl./ Rehab Program	\$97,188,662	\$24,298,666	\$121,487,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$102,188,662	\$25,548,666	\$127,733,328
Total Regional Targets:	\$108,196,808	\$25,048,235	\$125,246,173
Minimum Regional CMAQ Component:	\$18,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSP Component:	\$3,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum HSP Component With State Match	Regional Minimum CMAQ Component With State Match	Total Regional Target With State Match	STP with State Match
Berkshire Region	3.5596	\$355,864	\$711,029	\$4,458,318	\$3,398,425
Boston Region	42.9671	\$4,296,716	\$8,593,421	\$53,814,853	\$48,924,522
Cape Cod	4.5851	\$458,514	\$917,029	\$5,742,714	\$4,367,172
Central Mass	8.6901	\$869,013	\$1,738,026	\$10,884,056	\$8,277,017
Florida Region	2.5397	\$253,975	\$507,949	\$3,180,935	\$2,419,011
North's Vineyard	0.3100	\$30,997	\$61,994	\$388,224	\$295,234
Northwest Valley	4.4296	\$442,956	\$885,911	\$5,547,851	\$4,218,984
Northwest	4.4296	\$442,955	\$885,911	\$5,545,421	\$4,267,554
Northeast	0.2200	\$21,996	\$43,996	\$275,514	\$208,521
North Middlesex	3.9096	\$390,961	\$781,922	\$4,896,638	\$3,723,753
Old Colony	4.5595	\$455,954	\$911,909	\$5,710,654	\$4,342,791
Pioneer Valley	10.0099	\$1,000,992	\$2,001,984	\$13,538,019	\$10,299,034
Southeastern Mass	8.9601	\$896,010	\$1,792,021	\$11,222,187	\$8,534,196
Total:	100.00	\$10,000,000	\$20,000,000	\$125,246,173	\$95,246,173

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

TITLE 23 - TRANSPORTATION FUNDING
Statewide Highway-Funded Program

FEDERAL FISCAL YEAR 2015
FEDERAL REGIONAL TARGETS
July 7, 2011

	Obligation Authority	Off. Auth. Matching State Funds	Total Funding Based On Off. Auth.
Base Obligation Authority	\$500,000,000		
Redistribution, as Estimated by FHWA	\$0		
Total Estimated Obligation Authority Available:	\$500,000,000		
Accelerated Bridge Program Obligation Authority	(150,000,000)		First ABP Gains
Total Non-Emarked Available Statewide - (Including Redistribution)	410,000,000	\$1,625,000	\$01,625,000
Statewide Infrastructure Items:			
Statewide Infrastructure Program	\$4,800,000	\$1,200,000	\$6,000,000
Statewide STP - Safety Program	0	\$0	\$0
Statewide HSP Program	4,500,000	\$500,000	\$5,000,000
Statewide Safe Routes to Schools Program	3,500,000	\$0	\$3,500,000
Statewide CMAQ	5,000,000	\$1,250,000	\$6,250,000
Statewide Transportation Enhancements	2,800,000	\$700,000	\$3,500,000
Statewide Recreational Trails	626,400	\$156,600	\$783,000
Statewide ITS	5,000,000	\$1,250,000	\$6,250,000
Statewide Design and Right of Way	1,000,000	\$400,000	\$2,000,000
Statewide Interstate Maintenance Program	\$7,500,000	\$7,500,000	\$75,000,000
Statewide NHS Preservation Program	9,800,000	\$2,400,000	\$12,000,000
Statewide Railroad Grade Crossings	400,000	\$100,000	\$500,000
Statewide Transit	0	\$0	\$0
Statewide stormwater retrofits	9,000,000	\$2,000,000	\$10,000,000
Subtotal Statewide Infrastructure Items:	\$113,326,400	\$17,456,600	\$130,783,000
Other Statewide Items:			
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$35,000,000	\$4,750,000	\$43,750,000
Planning	18,400,000	\$4,600,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	0	\$0	\$0
Subtotal Other Statewide Items:	\$53,400,000	\$13,350,000	\$66,750,000
Regional Major Infrastructure Projects:	\$32,000,000	\$8,000,000	\$40,000,000
Bridge Program:			
Statewide Bridge Repl. / Rehab Program	\$97,188,662	\$24,296,666	\$121,485,328
Statewide Bridge Preservation Program	0	\$0	\$0
Statewide Bridge Inspection Program	5,000,000	\$1,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$102,188,662	\$25,546,666	\$127,735,328
Total Regional Targets:	\$109,086,900	\$27,271,735	\$136,358,635
Minimum Regional CMAQ Component:	\$10,000,000	\$4,000,000	\$20,000,000
Minimum Regional HSP Component:	\$3,000,000	\$1,000,000	\$10,000,000

Region	Regional Share (%)	Regional Minimum		Total Regional Target With State Match	STP with State Match
		HSP Component With State Match	CMAQ Component With State Match		
Berkshire Region	3.5506	\$355,864	\$711,829	\$4,853,883	\$3,785,000
Boston Region	42.9671	\$4,296,710	\$8,593,421	\$58,586,372	\$45,899,241
Cape Cod	4.5851	\$458,514	\$917,028	\$6,252,238	\$4,876,696
Central Mass	8.6901	\$869,013	\$1,738,026	\$11,848,747	\$9,242,708
Franklin Region	2.5397	\$253,975	\$507,949	\$3,463,164	\$2,701,240
Waltham's Wineyard	0.3100	\$30,997	\$61,994	\$422,678	\$329,679
Wernick Valley	4.4296	\$442,966	\$885,931	\$6,040,985	\$4,711,219
Worcestershire	4.4996	\$449,965	\$899,931	\$6,040,988	\$4,743,122
Nantucket	0.2200	\$21,998	\$43,996	\$296,858	\$233,966
Northam Middlesex	3.9096	\$390,961	\$781,922	\$5,331,881	\$4,158,208
Old Colony	4.5595	\$455,954	\$911,909	\$6,217,334	\$4,848,470
Pioneer Valley	10.0099	\$1,000,992	\$2,001,984	\$14,740,262	\$11,497,266
Southeastern Mass	8.9501	\$895,010	\$1,790,021	\$12,717,879	\$9,929,848
Total:	100.00	\$10,000,000	\$20,000,000	\$136,358,673	\$106,358,673

Note 1: Base Obligation Authority includes Estimated Equity Bonus Exempt from Limitation

APPENDIX B: AIR QUALITY DETERMINATION TABLES

**REGIONAL EMISSIONS FOR 2012 - 2015 TIPs and 2012 RTPs
DETERMINATION OF AQ CONFORMITY: 7/21/11 (TPSD)**

Pollutant and year	Berkshire	Franklin	Pioneer Valley	Off-Model (don't use)	Western Mass. Emissions	Budget (official 2009)	Difference
TABLE 1							
VOC 2010	n/a	n/a	n/a		10.947	n/a	n/a
2016	1.4613	1.0069	4.3623	0.001	6.832	10.73	-3.898
2020	1.2664	0.8876	3.8353	-0.011	5.979	10.73	-4.751
2025	1.1687	0.8204	3.5568	-0.012	5.534	10.73	-5.196
2035	1.1680	0.8606	3.5888	-0.016	5.602	10.73	-5.128
TABLE 2							
NOx 2010	n/a	n/a	n/a		27.736	n/a	n/a
2016	2.3931	1.7615	7.5545	0.042	11.751	27.73	-15.979
2020	1.5348	1.1442	4.8899	0.163	7.732	27.73	-19.998
2025	1.1501	0.8521	3.6575	0.115	5.774	27.73	-21.956
2035	0.9743	0.8902	3.1062	0.047	5.018	27.73	-22.712

ENTER THESE NUMBERS FOR YOUR REGION UNDER THE REGIONAL EMISSIONS COLUMN OF THE AQ TABLES IN YOUR TIP and RTP

ENTER THESE NUMBERS IN THE REST OF THE TABLES

APPENDIX C: Transit Funding

FY11 Pioneer Valley Transit TIP Project Information

RTA	Project Description	Funding	Funding Sub-Category	Federal Cost	State/Local Cost	Total	Ref. Doc #	Approval Status
PVTA	Support Vehicles	**5307	Capital Purchase	\$37,000	**\$7,400	\$37,000	111	Approved
PVTA	Intelligent Transporations System (ITS)	5307	Capital Purchase	\$2,009,888	\$502,472	\$2,512,360	117	Approved
PVTA	Transit Enhancements	5307	Capital Purchase	\$113,132	\$28,283	\$141,415		Approved
PVTA	Facility Rehab	**5307	Facility Improvement	\$20,000	**\$24,000	\$20,000	110	Move \$100,000 to FFY12
PVTA	Environmental Compliance	5307	Facility Improvement	\$28,000	\$7,000	\$35,000	117	Approved
PVTA	Springfield Maintenance Storage Facility	**5307	Facility Improvement	\$44,000	**\$28,800	\$44,000	105	Move \$100,000 to FFY12
PVTA	Maintenance Tools & Equipment	**5307	Maintenance Items	\$40,000	**\$24,000	\$40,000	104	Move \$80,000 to FFY12
PVTA	Other Equipment	**5307	Maintenance Items	\$9,150	**\$1,830	\$9,150	109, 112	Approved
PVTA	Planning	5307	Planning	\$200,000	\$50,000	\$250,000		Approved
PVTA	Articulated Buses	5307	Rolling Stock	\$0	\$0	\$0		
PVTA	Buses (FFY10 Carryover)	**5307	Rolling Stock	\$6,425,926	**\$1,285,185	\$6,425,926	113, 114	Move to FFY12
PVTA	Bus Fleet	5307	Rolling Stock	\$2,000,000	\$500,000	\$2,500,000	117	Approved
PVTA	Minibuses	5307	Rolling Stock	\$160,000	\$40,000	\$200,000		Approved
PVTA	Support Vehicles	5307	Non Revenue Vehicle	\$88,000	\$22,000	\$110,000	117	Approved
PVTA	Shelters (15)	**5307	Service Improvement	\$84,000	**\$56,800	\$84,000	108	Move \$200,000 to FFY12
PVTA	IT Infrastructure	5307	Service Improvement	\$164,027	**\$112,805	\$164,027	103	Move \$400,000 to FFY12
PVTA	Westfield ITC-Design Phase I	5307	ITCCAP	\$0	\$175,000	\$175,000	116	Approved
PVTA	Westfield ITC-Design of new facility at Elm and Arn	5307	ITCCAP	\$0	\$252,410	\$252,410	116	Approved
PVTA	Preventive Maintenance	5307	Service Improvement	\$4,500,000	\$1,125,000	\$5,625,000		Approved
PVTA	ADA Assistance	5307	Service Improvement	\$1,131,323	\$282,831	\$1,414,154		Approved
PVTA	Vans	5307	Vans	\$0	\$0	\$0		
PVTA	Other Equipment (Speaker, Mic, Portable ID)	5307	Technology	\$7,320	\$1,830	\$9,150	117	Approved
PVTA	Environmental Monitoring (Spfld)	5307	ITCCAP	\$773,580	\$154,716	\$928,296		Approved
PVTA	Facility Repairs and Replacement	**5307	Facility Improvement	\$41,300	**\$10,325	\$51,625		Approved
			Total	\$17,876,646	\$3,141,542	\$21,028,513		
PVTA	State Contract Assistance	NFA	Operating Assistance	\$0	\$16,216,342	\$16,216,342		
PVTA	Local Assessments	NFA	Operating Assistance	\$0	\$6,561,208	\$6,561,208		currently running 2 years late
PVTA	E&H Special Transit Services	NFA	Operating Assistance	\$0	\$8,062,840	\$8,062,840		
PVTA	Fixed Route Service	NFA	Operating Assistance	\$0	\$28,485,165	\$28,485,165		
PVTA	Rural Transit E&H	5311	Operating Assistance		\$32,671	\$32,671		should be 32671, Approved
PVTA	Lift Equipped Vans	5310	Vans	\$200,000	\$50,000	\$250,000		Approved
PVTA	Lift Equipped minibuses	5310	Mini-buses	\$0	\$300,000	\$300,000		Approved
PVPC	New Freedom (carryover)	5317	Operating Assistance	\$79,260	\$0	\$79,260		Approved
PVPC	JARC (carryover)	5316	Operating Assistance	\$353,818	\$0	\$353,818		Approved
PVPC	New Freedom (carryover)	5317	Operating Assistance	\$232,942	\$0	\$232,942		Approved
PVPC	JARC	5316	Operating Assistance	\$353,818	\$0	\$353,818		Approved
PVPC	New Freedom	5317	Operating Assistance	\$232,942	\$0	\$232,942		Approved
PVTA	Holyoke Multimodal Center (carryover)	5309	Intermodal Center	\$1,732,500	\$433,125	\$2,165,625		Approved
PVTA	Westfield Multimodal Center (carryover)	117	Intermodal Center	\$1,700,000	\$0	\$1,700,000		Approved
PVTA	Holyoke Multimodal Center (carryover)	EOTPW	Intermodal Center	\$0	\$1,500,000	\$1,500,000		Approved
PVTA	Holyoke Multimodal Center (carryover)	EOTPW	Intermodal Center	\$0	\$750,000	\$750,000		Approved
PVTA	Holyoke Multimodal Center (carryover)	115	Intermodal Center	\$2,000,000	\$0	\$2,000,000		Approved
PVTA	Union Station Redevelopment (carryover)	5309	Intermodal Center	\$7,405,587	\$1,851,397	\$9,256,984		Approved

APPENDIX D: Listing of Prioritized Projects, Project Needs Form (PNF), Project Initiation Form (PIF) and Project Priority Evaluation Criteria

List of Prioritized Projects

Year	Community	SID	Project Name	Design	Estimated Cost	TEC Score
2012	Springfield	604821	Improvements to Allen street and Bicentennial Highway	75	\$3,189,211.00	10
2012	Amherst	82250	Route 116 (Notch) reconstruction	100	\$4,006,890.00	9
2013	Westfield	604442	Route 187 - Feeding Hills Road reconstruction	100	\$5,441,804.00	8
2012	Agawam	602653	Rte 159 (Main Street) Improvements	100	\$4,239,802.00	8
2015	Westfield	604446	Route 187 - Little River Road reconstruction	75	\$5,504,386.00	8
	Westfield	604445	Route 187 - Sherman's Mill Bridge reconstruction	75	\$6,926,210.00	8
2014	Belchertown	604433	Route 181 (Design Exception)	75	\$9,500,000.00	7
2012	Belchertown	605556	Main @ Maple and Jabish Intersection Improvements	75	\$1,004,769.00	7
2013	Easthampton	602486	West St./Glendale St./Loudville/PomeroyMeadow	75	\$2,760,969.00	7
	East Longmeadow	601350	Elm Street Reconstruction	75	\$4,250,000.00	5
2012	Plainfield	604825	Route 116 (Main St)	75	\$1,250,000.00	5
	Pelham	601154	Amherst Rd. Reconstruction	100	\$6,404,630.00	5
2015	Easthampton/Holyoke	605891	Route 5 resurfacing	PS&E	\$2,839,950.00	5
	Huntington	605615	Route 112 Resurfacing	100	\$3,900,000.00	4
2013	Westhampton	605815	Route 66	PS&E	\$1,496,130.00	4
	Cumington	605582	Route 9 Pavement Preservation	100	\$6,000,000.00	3
	Blandford/Russell	605614	Resurfacing Route 23	100	\$5,700,000.00	3
	South Hadley	606471	Route 202 resurfacing	100	\$900,000.00	6
	Chicopee	606034	Montgomery Road improvements	75	\$600,901.00	2
	Springfield	605222	North end and Brightwood Infrastructure Improvements (North)	25	\$4,988,935.00	10
	Springfield/Wilbraham	605213	Boston Rd Reconstruction (Route 20)	25	\$7,547,587.00	10
	Chicopee	604435	Memorial Drive (Rt 33) Traffic signal improvement	25	\$1,461,241.00	10
	Ludlow	605011	Center Street (Route 21) reconstruction	25	\$4,728,895.00	9
			Spring, Elliot, and Edward St intersection improvements (sec. 125 = \$950,000, Sec. 129 \$735,000) \$1,228,668			
2012	Springfield	605817	\$735,000	25	\$1,228,668.00	9
	Hadley	605032	Route 9 reconstruction (Between Lowe's and Home Depot)	25	\$4,351,100.00	8
2015	Hadley	604035	Route 9 at Route 47 intersection improvements	25	\$2,700,000.00	8
	Agawam	600513	N. Westfield St. / S. Westfield St. (Rte. 187)	25	\$12,875,077.00	7
	Northampton	180525	Damon Rd. Safety Improvement	25	\$4,693,619.00	7
	Belchertown	604692	N. Washington St.Reconstruction	25	\$3,200,000.00	5
	Southampton	604653	East St. (Design Exception)	25	\$4,582,450.00	5
	Springfield	605385	Roosevelt Ave. @ Island Pond Rd and Roosevelt Ave @ Alden Street	25	\$1,529,817.00	5
	Southampton	604738	Glendale Rd. (Phase II)	25	\$1,438,614.00	4
	West Springfield	604746	Union Street Underpass	0	\$15,000,000.00	11
2014	Holyoke	606045	Homestead Ave @ Lower Westfield Rd improvements	0	\$1,100,000.00	10
	Agawam	603372	Connector, Rte 5 to Rte 57/rotary	0	\$11,669,000.00	9
	Westfield	603330	Rte. 10/202 CBD Traffic Improvements	0	\$3,000,000.00	9
			Intersection Improvements at Sumner Ave, Allen Str, Abbot St, and Harkness Ave			
2012	Springfield	605685	(HSIP)	0	\$1,236,000.00	9
	Westfield	603449	Western Avenue Highway improvement	0	\$3,500,000.00	9
	Chicopee	604434	Fuller Rd. Corridor Improvements	0	\$6,200,000.00	8
	Hadley	605881	Route 9 reconstruction from Middle Street to E/O Mill Valley Rd	0	\$6,000,000.00	8

List of Prioritized Projects (Cont.)

Year	Community	SID	Project Name	Design	Estimated Cost	TEC Score
	Hadley/Northampton	604597	I-91 Exit 19 improvements	0	\$15,000,000.00	8
	Palmer	601504	Rte. 32 (Ware Road)	0	\$22,854,850.00	7
	Holyoke/West Springfield	604209	Route 5 Reconstruction from Ashley Ave.	0	\$3,000,000.00	7
	Northampton	604452	Route 66 (West St.) at Earle Street intersection improvements	0	\$200,000.00	7
	Southwick	603477	Route 57 Intersection improvement project (4 locations)	25	\$2,503,241.00	7
	Springfield	604448	Main St, Front, Route 141 Improvements (Indian Orchard)	0	\$1,000,000.00	7
	Southwick	604033	Congamond Rd. (Rte. 168) Reconstruction	25	\$4,762,722.00	6
	Agawam	604203	Route 187/57 Intersection Improvements	0	\$1,500,000.00	6
	Southwick	604155	Routes 10/202 resurfacing (northerly)	0	\$2,000,000.00	6
	Southwick	604153	Routes 10/202 resurfacing (southerly)	0	\$2,600,000.00	6
	Northampton	605048	Mt. Tom Rd (Route 5) improvements	0	\$1,200,000.00	6
	Belchertown/Granby	604819	Route 202 Resurfacing	0	\$4,500,000.00	5
	Goshen	602888	Route 9 reconstruction	0	\$4,500,000.00	5
	Southwick	606141	Highway Reconstruction Route 57 Feeding Hills Rd (Not Intersections)	0	\$3,400,000.00	5
	Hadley	602796	South Maple Street	0	\$7,386,000.00	5
	Chesterfield	605813	Route 143 Resurfacing and Related Work	0	\$6,000,000.00	4
	Palmer	603873	Route 20 improvements	0	\$1,200,000.00	4
	Westhampton	602386	Southampton Rd.	0	\$1,400,000.00	4
	Northampton	605896	Route 5 improvements from I-91 (NB on-ramp) to Holyoke Street	0	\$1,800,000.00	4
	Wales	605669	Sidewalk improvements	0	\$309,000.00	4
	Westhampton	602387	Chesterfield Rd.	0	\$2,400,000.00	4
	Westhampton	602822	Kings Highway and Reservoir Rd	0	\$1,360,000.00	4
	Longmeadow	605886	Route 5 Resurfacing and Related Work	0	\$750,000.00	4
	Amherst / Pelham	606230	Resurfacing and Related Work on Route 9	0	\$1,500,000.00	4
	Monson	605687	Lower Hampden Rd Phase 2	0	\$4,750,000.00	4
	Springfield	605683	Plumtree Rd improvements	0	\$2,000,000.00	4
	Cummington	600301	Rte. 112	0	\$600,000.00	4
	Agawam/Southwick	115300	Rte. 57 Highway Extension	0	\$80,051,614.00	4
	Westfield	604601	Route 20 Access Road	0	\$10,386,046.00	3
	Ware	603874	Resurfacing and Related Work Route 9	0	\$1,012,957.00	3
	Goshen	605150	West Street Reclamation	0	\$2,839,950.00	3
	Belchertown	605676	Bay Road Improvements	0	\$700,000.00	2
	Holland	604962	Resurfacing and Related work Brimfield Road	0	\$1,300,000.00	0
	Granby	605682	Amherst Street improvements	0	\$1,300,000.00	0
Project Total					\$377,013,035.00	

List of Prioritized Projects

Year	Community	SID	Project Name	Design	Estimated Cost	TEC Score	CMAQ Consultation
2012	Belchertown	605656	Main @ Maple and Jabish Intersection Improvements	75	\$1,004,769.00	7	<input checked="" type="checkbox"/>
	Westfield	603783	Columbia Greenway Rail trail and River Walk (Central Section)	75	\$6,226,907.00	6	<input type="checkbox"/>
	West Springfield	603730	CT Riverwalk and Bikeway	75/100	\$2,500,000.00	5	<input type="checkbox"/>
	Agawam	603731	Bikeway Loop	75/100	\$2,533,902.00	4	<input type="checkbox"/>
	Springfield/Wilbraham	605213	Boston Rd Reconstruction (Route 20)	25	\$7,547,587	10	<input type="checkbox"/>
	Northampton	180525	Damon Rd. Safety Improvement	25	\$4,693,619	7	<input type="checkbox"/>
	Westfield	604967	Columbia Greenway Rail trail and River Walk (Southern Section)	25	\$4,537,500.00	6	<input type="checkbox"/>
2014	Westfield	604968	Columbia Greenway Rail trail and River Walk (North Section)	25	\$2,187,600.00	6	<input type="checkbox"/>
2013	Northampton	606375	Park and Ride	25	\$691,847.00	5	<input type="checkbox"/>
	Springfield	605385	Roosevelt Ave. @ Island Pond Rd and Roosevelt Ave @ Alden Street	25	\$1,529,817.00	5	<input type="checkbox"/>
2013	Chicopee	602912	Chicopee Riverwalk	25	\$1,400,000.00	5	<input type="checkbox"/>
	Chicopee	602911	Connecticut Riverwalk	25	\$1,611,250.00	4	<input type="checkbox"/>
2014	Holyoke	606045	Homestead Ave @ Lower Westfield Rd improvements	0	\$1,100,000.00	10	<input type="checkbox"/>
	Ware	603454	Ware River Valley Preservation Project	0	\$1,400,000.00	4	<input type="checkbox"/>
2013	Springfield	605685	Intersection Improvements at Summer Ave, Allen St, Abbot St, and Harkness Ave (HSIP)	0	\$1,236,000.00	9	<input type="checkbox"/>
	Chicopee	604434	Fuller Rd. Corridor Improvements	0	\$6,200,000.00	8	<input type="checkbox"/>
				Project Total	\$46,400,798.00		

2012 Transportation Improvement Program Other Funding Project Listing

Year	Community	SID	Project Name	Design	Estimated Cost	TEC Score
2012 1C	Westfield	604823	I-90 exit 3 NO STP NEEDED (\$1,200,000)	0	\$0.00	9
	Holyoke	603263	Holyoke Canalwalk (Phase 1B) HPP 4274 = \$4,381,454	0	\$2,731,820.00	9
	Holyoke	603264	Holyoke Canalwalk (Phase II)	0	\$0.00	0
	Becket/Middlefield/Chester	602967	*Keystone Arch Bridges restoration (No Funding Identified)	100	\$1,500,000.00	0
2012 1C	Various	605065	Hampshire County Bike Paths (Norwottuck Reconst)- construction (HPP-1773 Original value \$4,449,450)		\$0	0
				Project Total	\$4,231,820.00	0.00

D. Facility Location

If the need and/or opportunity is related to a particular facility, please complete as much of the following information that applies. Please include a locus map if available.

Route Number(s): _____
Street Name(s): _____

From Cross Street: _____
To Cross Street: _____
Mile Marker: From: _____ To: _____
Intersection of: _____ and _____
Address: _____
Other Location Info: _____

If work is proposed on a bridge or bridges as part of the project, please complete the following:

Bridge ID Number(s): _____
Facility Carried on Bridge: _____
Facility Bridge is Over: _____

Part II: Project or Program Description

A. Summary of Need and/or Opportunity

Please briefly describe the issues, deficiencies, need, or opportunities that may warrant a transportation project or program:

B. Summary of Possible Alternatives to Address the Need and/or Opportunity

Please briefly describe possible transportation project(s) or program(s) that may address the need and/or opportunity summarized in the previous section. Please note if solutions have not yet been identified, or if there is more than one alternative.

C. Estimated Costs

If a transportation project(s) and/or program(s) has been identified, please include any available cost estimates or estimated cost ranges in current-year dollars:

<i>Estimated Construction Costs:</i>	<i>Estimated Other Costs:</i>
Construction Items: _____	Planning/Design: _____
Contingencies (@10%): _____	Right-of-way: _____
Other Constr. Costs (@10%): _____	Env. Mitigation: _____
Total Est. Construction Cost: _____	Total Other Costs: _____

D. Funding

Please identify any current or expected funding related to this need or opportunity, including federal earmarks in legislation, budget acts, or programs; state earmarks in bond bills, budget acts, or programs; funding provided by the municipality or other local agency; and/or funding provided by private entities:

Federal: _____	Year(s) _____	Amount: _____
Federal: _____	Year(s) _____	Amount: _____
State: _____	Year(s) _____	Amount: _____
State: _____	Year(s) _____	Amount: _____
Municipal: _____	Year(s) _____	Amount: _____
Private: _____	Year(s) _____	Amount: _____
Other: _____	Year(s) _____	Amount: _____

Part III: Detailed Project or Program Need Information

Please complete all applicable parts of Part II to the extent possible.

A. Condition of Existing Facilities

1. Please describe the surface condition of the roadway, path, or other horizontal facility, such as type of cracking (alligator, reflective, etc.), extent of cracking (percentage of surface, etc.), ride-ability, structural adequacy, or other surface defects such as raveling, shoving, bleeding, etc. This can be based on visual inspection or automatic detection methods.

2. Please describe the condition of any roadside/facility appurtenances, such as signs, signals, lighting, median barriers, guardrail, pavement markings, drainage facilities, curbs/sidewalks, fences, etc.

3. If the project/program includes a bridge or bridges, please describe its/their condition, such as bridge ratings, dates of inspection, weight restrictions, closings, structural adequacy, functional obsolescence, condition of other bridge elements, etc.

4. Please describe the condition of other facilities, structures, or equipment (buildings, noise barriers, bus shelters, bike racks, etc.)

5. Please describe the most recent repairs, preventive maintenance, rehabilitation, reconstruction, or replacement of the facility, including the extent and date.

B. Mobility and/or Usage Issues/Opportunities

1. Please describe any existing or prospective highway congestion issues or opportunities for improvement related to level-of-service, duration of congestion, delay, travel time, etc., and any opportunities related to the implementation of Intelligent Transportation System components, such as cameras, traffic detectors, etc.

2. Please describe usage issues or opportunities for improvement to other facilities related to crowding, occupancy rates, usage, trucks, access, etc.

C. Safety and Security Issues/Opportunities

1. Please describe any highway safety concerns, such as number and severity of crashes, crash rates, fatalities, etc.

2. Please describe any safety issues for other users such as pedestrians, bicyclists, persons with disabilities, transit riders, trucks, school children, etc.

3. Please describe any issues or deficiencies related to security, such as vulnerability, evacuation procedures, hazardous materials, etc.

D. Land Use and Economic Development Issues/Opportunities

Please describe any issues or opportunities that the project or program will address or impact such as land use and economic development, such as job creation, housing, freight access, parking availability, transit-oriented development, smart growth, etc.

E. Environmental Quality Issues/Opportunities

Please describe any environmental quality issues or opportunities that the project or program will address or impact such as air quality, climate change, water quality, water supply, wetlands, historic or cultural resources, hazardous materials, noise, wildlife habitat, endangered species, etc.

F. Community Issues/Opportunities

Please describe any community or neighborhood issues or opportunities that the project or program may address or impact such as emergency vehicle access, land takings, access to schools, cut-through traffic, environmental justice, etc.

Thank you for completing this form. Please contact your MassDOT Highway Division District office to submit the form.

Municipality(ies) only

D. Facility Location

If the need and/or opportunity are related to a particular facility, please fill as a much of the following information that applies. Please include a locus map.

Route Number(s): _____
Street Name(s): _____

From Cross Street: _____
To Cross Street: _____
Mile Marker: From: _____ To: _____
Intersection of: _____ and _____
Address: _____
Other Location Info: _____

If work is proposed on a bridge or bridges as part of the project, please complete the following:

Bridge ID Number(s): _____
Facility Carried on Bridge: _____
Facility Bridge is Over: _____

E. Area Type

Please denote the area type of the project's location, as defined in the Chapter 3 of the Guidebook. Project limits may include more than one area type.

Rural Natural	<input type="checkbox"/>	Suburban High Density	<input type="checkbox"/>	Urban Park	<input type="checkbox"/>
Rural Village	<input type="checkbox"/>	Suburban Village/Town Center	<input type="checkbox"/>	Urban Residential	<input type="checkbox"/>
Rural Developed	<input type="checkbox"/>	Suburban Low Density	<input type="checkbox"/>	Urban CBD	<input type="checkbox"/>

D. Cross Section Data

Please fill in as much of the following project cross section information that applies. “Current” data should describe actual current conditions. “Future w/o Project” should describe estimated future (20 years from now) conditions if the project is not implemented. “Future with Project” should describe estimated future conditions if the project is implemented.

	Current	Future w/o Project	Future with Project	Data Source
Project length (mi)				
Speed limit (mph)				
Design speed (mph)				
Number of travel lanes				
Travel lane width (ft)				
Bike lane width (ft)				
Shoulder width (ft)				
Sidewalk width (ft)				
Median width (ft)				
Total cross section (ft)				

E. Usage Section Data

Please fill in as much of the following usage information that applies. “Current” data should describe actual current conditions. “Future w/o Project” should describe estimated future (20 years from now) conditions if the project is not implemented. “Future with Project” should describe estimated future conditions if the project is implemented.

	Current	Future w/o Project	Future with Project	Data Source
Traffic volume (AADT)				
Percentage of Trucks (%)				
Number of Pedestrians				
Number of Bicyclists				
Number of Transit Riders				
Num. of Parking spaces				
Parking Utilization (%)				

Part III: Summary of Project Planning and Public Process Activities and Results

A. Planning Summary

Please summarize project-planning activities that were undertaken prior to the submission of this PIF. Please refer to pages 2-12 to 2-27 of the Guidebook for descriptions of suggested activities:

None, other than completing the PNF (please attach). Please describe any updated PNF information, if any:

Project-focused planning study (please attach document).

Comprehensive corridor study and alternatives analysis (please attach document).

B. Public Participation Summary

Please summarize any public participation activities and results that were undertaken prior to the submission of this PIF. Please include meeting dates, participants, issues, and outcomes, and note any opposition to the project/program. Please refer to Section 2-9 of the Guidebook for descriptions of suggested public participation activities.

C. Environmental Coordination Activities

Please summarize any environmental coordination activities and results that were undertaken prior to the submission of this PIF, such as meetings, filings, etc. Please include meeting dates, participants, issues, and outcomes.

D. Design Activities

Please summarize any design activities that were undertaken prior to the submission of this PIF.

E. Right-of-Way Activities

Please describe any activities related to right-of-way undertaken prior to the submission of this PIF.

Part IV: Project or Program Activities, Benefits, and Impacts

Please complete all applicable sections of Part IV to the extent possible.

A. Condition

1. Please describe the effect of the project/program on the surface condition of the roadway, path, or other horizontal facility.

2. Please describe the effect of the project/program on the condition of any roadside/facility appurtenances, such as signs, signals, lighting, median barriers, guardrail, pavement markings, drainage facilities, curbs/sidewalks, fences, etc.

3. If the project/program includes a bridge or bridges, please describe its/their condition, such as bridge ratings, dates of inspection, weight restrictions, closings, structural adequacy, functional obsolescence, condition of other bridge elements, etc., and the benefit/impact of project:

4. Please describe effect of the project on the condition of other facilities, structures, or equipment (buildings, noise barriers, bus shelters, bike racks, etc.)

5. Please describe the most recent repairs, preventive maintenance, rehabilitation, reconstruction, or replacement of the facility, including the extent and date.

B. Mobility

1. Please describe the effect of the project/program on the magnitude and duration of traffic congestion.

2. Please describe the effect of the project/program on travel time (not congestion-related) and connectivity/access for users.

3. Please describe the effect of the project/program on other users of the facility including changes in service quality, number of existing and new users, and accessibility.

4. Please describe any proposed Intelligent Transportation System components of the project.

D. Land Use and Economic Development

- 1. Please describe any project/program issues or opportunities related to area businesses, such as access to labor, parking, noise, freight access, etc.

- 2. Please describe any project/program issues or opportunities related to economic development and job creation, and the relationship of the project/program to particular development projects or attractions.

- 3. Please describe any project/program issues or opportunities related to land use, smart growth, and transit-oriented development, as well as the relationship of the project to local and regional economic development and land use plans, zones, or districts.

E. Environmental and Air Quality/Climate Effects

1. Please describe any project/program environmental quality issues or opportunities related to wetlands.

2. Please describe any project/program environmental quality issues or opportunities related to water quality and water supply.

3. Please describe any project/program environmental quality issues or opportunities related to wildlife habitat and endangered species.

4. Please describe any project/program environmental quality issues or opportunities related to historic and cultural resources.

5. Please describe any project/program environmental quality issues or opportunities related to air quality and climate change.

F. Community Effects and Environmental Justice

1. Please describe any project/program community or neighborhood issues or opportunities such as emergency vehicle access, access to schools, cut-through traffic, etc.

2. Please describe the type, magnitude, and extent of any project/program right-of-way impacts including takings, noise, property values, etc., and any associated mitigation efforts.

3. Please note whether the project/program is in an environmental justice community/area as defined by the MPO, and describe any community or neighborhood issues or opportunities that the project or program may address related to environmental justice.

4. Please describe any project/program community or neighborhood issues or opportunities related to the creation or rehabilitation of housing.

Part V: Future Activities and Project Management

A. If the Highway Division approves this project, please check all remaining activities that will be necessary to implement this project/program and the responsible entity:

	<u>N/A</u>	<u>HighwayDivision</u>	<u>Municipality</u>	<u>Other</u>
State MEPA Env. Notification Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State MEPA Draft EIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State MEPA EIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal NEPA Categorical Exclusion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal NEPA Environmental Assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal NEPA DEIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal NEPA EIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preliminary Design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final Design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Environmental Permitting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right-of-Way Permits and Takings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Thank you for completing this form. Please submit this form and attachments to your local MassDOT Highway Division District Office.

TRANSPORTATION EVALUATION CRITERIA
Templeton Project Description
Highway-funded Roadway Improvement/Expansion Projects

PROJECT TYPE	TRANSPORTATION CRITERIA					OTHER IMPACT CRITERIA			
	Condition	Mobility	Safety	Cost Effectiveness	Community Effects and Support	Land Use and Economic Development	Environmental Effects		
Roadways	Magnitude of pavement condition improvement 0	Effect on magnitude and duration of congestion 0	Effect on crash rate compared to state average 0	Cost per Unit Change in Condition \$ -	Residential effects: right-of-way, noise, aesthetics, out-freight access other 0	Business effects: right-of-way, access, noise, traffic, parking, freight access other 0	Air Quality/Climate effects 0		
	Magnitude of improvement of other infrastructure elements 0	Effect on travel time and connectivity/access 0	Effect on bicycle and pedestrian safety 0	Cost per lane Mile \$ -	Effect on service to minority or low income neighborhoods 0	Sustainable development effects 0	Water quality/supply effects; wetlands effects 0		
		Effect on other modes using facility 0	Effect on transportation security and evacuation routes 0	Cost per AADT \$ -	Other impacts/benefits to minority or low income neighborhoods 0	Consistent with regional land-use and economic development plans 0	Historic and cultural resource effects 0		
		Effect on regional and local traffic 0		Cost per AADT per lane mile \$ -	Public, local government, legislative, and regional support 0	Effect on job creation. 0	Effect on wildlife habitat and endangered species 0		

Avg. Score (-3 to +3)	0								
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Total Score (-18 to +18)	0
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APPENDIX E: Summary of Operating and Maintenance Expenditures

Massachusetts Department of Transportation - Highway Division
 Summary of Operating and Maintenance Expenditures
 Pioneer Valley Region - Part 2: Federal Aid

Section I - Federal Aid Maintenance Projects

7/12/2011

Program Group/Sub Group	SFY 2009 Federal Aid Expenditures	SFY 2010 Federal Aid Expenditures	SFY 2011 Federal Aid Expenditures
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	\$5,720,964	\$14,969,506	\$10,360,281
Structure Maintenance	\$1,527,524	\$0	\$0
02 - Bridge Painting			
Painting - Structural	\$864,187	\$0	\$0
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon. - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	\$5,372	\$10,691,566	\$4,446,673
Hwy Reconstr - No Added Capacity	\$7,709,341	\$1,991,119	\$5,118,338
Hwy Reconstr - Minor Widening	\$3,044,331	\$2,701,252	\$1,447,570
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$8,785,938	\$3,951,464	\$16,028,348
05 - Intersection & Safety			
Impact Attenuators	\$9,528	\$0	\$0
Safety Improvements	\$415,496	\$16,922	\$6,560
Traffic Signals	\$947,935	1349406.163	\$1,586,276
06 - Signs & Lighting			
Lighting and Electrical	\$0	\$0	\$0
Sign Installation / Upgrading	\$433,512	\$12,227	\$0
Structural Signing	\$0	\$0	\$0
07 - Guardrail			
Guard Rail and Fencing	\$149,125	\$133,559	\$1,387,528
08 - Maintenance			
Contract Highway Maintenance	\$3,372	\$0	\$6,458
Landscape and Roadside Develop	\$14,783	\$0	\$911,889
Pavement Marking	\$97	\$0	\$0
Catch Basin Cleaning	\$0	\$0	\$0
09 - Facilities			
Vertical Construction	\$0	\$0	\$1,008
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Intelligent Transportation Sys	\$79,269	\$10,610,947	\$6,816,351
Miscellaneous / No prequal	\$171,723	\$46,321	\$8,219
Reclamation	\$1,107,209	\$0	\$0
Drilling & Boring	\$0	\$0	\$1,336
Unknown	\$0	\$0	\$36,767
Demolition	\$0	\$0	\$0
Utilities	\$0	\$0	\$0
Marine Construction	\$0	\$0	\$7,353
Section I Total	\$30,989,706	\$46,474,289	\$48,170,955

Section II - Federal Aid Highway Operations

11 - Other			
ITS Operations - I-93 HOV Lane Operation and Towing	\$0	\$0	\$0
ITS Operations - Traffic Operations Center (South Boston)	\$0	\$0	\$0
Section II Total	\$0	\$0	\$0

Grand Total Federal Aid: \$30,989,706 \$46,474,289 \$48,170,955

Massachusetts Department of Transportation - Highway Division
Summary of Operating and Maintenance Expenditures
Pioneer Valley Region - Part 1: Non-Federal Aid

Section I - Non Federal Aid Maintenance Projects - State Bondfunds

7/12/2011

Program Group/Sub Group	SFY 2009 NFA Expenditures	SFY 2010 NFA Expenditures	SFY 2011 NFA Expenditures
01 - Bridge Repair & Replacement			
New Bridge (Excluded)	n/a	n/a	n/a
Bridge Replacement (Excluded)	n/a	n/a	n/a
Bridge Reconstruction/Rehab	\$4,249,930	\$0	\$770,280
Drawbridge Maintenance	\$253,659	\$393,901	\$422,457
Structure Maintenance	\$4,044,646	\$24,986,293	\$14,873,667
02 - Bridge Painting			
Painting - Structural	\$174,080	\$0	\$0
03 - Roadway Reconstruction			
Hwy Relocation (Excluded)	n/a	n/a	n/a
Hwy Recon - Added Capacity (Excluded)	n/a	n/a	n/a
New Construction (Excluded)	n/a	n/a	n/a
Hwy Reconstr - Restr and Rehab	\$174,230	\$24,610	\$1,910
Hwy Reconstr - No Added Capacity	\$395,085	\$176,851	\$730,412
Hwy Reconstr - Minor Widening	\$1,308,277	\$40,359	\$0
Hwy Reconstr - Major Widening	\$0	\$0	\$0
04 - Roadway Resurfacing			
Resurfacing	\$2,328,284	\$2,838,592	\$1,830,419
05 - Intersection & Safety			
Impact Attenuators	\$58,054	\$34,913	\$32,510
Safety Improvements	\$37,288	\$0	\$0
Traffic Signals	\$134,434	\$127,872	\$78,911
06 - Signs & Lighting			
Lighting and Electrical	\$129,673	\$289,319	\$424,840
Sign Installation / Upgrading	\$61,810	\$132,942	\$118,222
Structural Signing	\$63,658	\$0	\$359
07 - Guardrail			
Guard Rail and Fencing	\$263,032	\$305,368	\$351,864
08 - Maintenance			
Catch Basin Cleaning	\$425,986	\$734,486	\$550,586
Crack Sealing	\$42,977	\$0	\$49,256
Landscape and Roadside Develop	\$247,851	\$0	\$59,787
Mowing and Spraying	\$7,302	\$0	\$14,084
Pavement Marking	\$400,086	\$396,609	\$320,883
Sewer and Water	\$130,703	\$0	\$48,808
Process/Recycle/Trnsprt Soils	\$0	\$0	\$0
Contract Hwy Maint.	\$0	\$0	\$518,351
			\$0
09 - Facilities			
Chemical Storage Sheds	\$13,353	\$0	\$23,505
Vertical Construction	\$825	\$367,726	\$305,933
10 - Bikeways (Excluded)	n/a	n/a	n/a
11 - Other			
Miscellaneous / No Prequal	\$50,132	\$178,623	\$140,775
Asbestos Removal	\$0	\$0	\$0
Demolition	\$0	\$0	\$0
Drilling and Boring	\$0	\$0	\$11,724
Hazardous Waste Remediation	\$0	\$0	\$3,235
Utilities	\$0	\$0	\$0
Change in Project Value	\$0	\$0	\$0
Highway Sweeping	\$0	\$0	\$0
Intelligent Transportation Sys	\$0	\$0	\$0
Unknown	\$0	\$0	\$30,389
Underground Tank Removal Replace	\$0	\$0	\$0
Section I Total:	\$14,996,366	\$31,028,464	\$21,713,168

Section II - Non Federal Aid Highway Operations - State Operating Budget Funding

12 - Snow and Ice Operations & Materials	\$8,475,616	\$8,034,805	\$11,412,285
13 - District Maintenance	\$1,910,598	\$1,945,782	\$1,934,971
(Mowing, Litter Management, Sight Distance Clearing, Etc.)			
Section II Total:	\$10,386,214	\$9,980,587	\$13,347,256

Grand Total NFA:	\$25,381,569	\$41,009,051	\$35,060,424
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APPENDIX F: Metropolitan Planning Area (MPA) State and Local Consulted Agencies

23 CFR 450.316(2)(b) of Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) states that

“In developing metropolitan transportation plans and TIPs, the MPO should consult with agencies and officials responsible for other planning activities within the MPA (metropolitan planning area) that are affected by transportation (including State and local planned growth, economic development, environmental protection, airport operations, or freight movements) or coordinate its planning process (to the maximum extent practicable) with such planning activities”

PVMPO fulfilled these requirements through the processes tied to the Joint Transportation Committee (JTC). Listed below are two tables, table 1 list agencies with transportation interest in the Metropolitan Planning Area (MPA) that were contacted for the purpose of consultation while developing the TIP. Table 2 lists the agencies from table 1 which responded and coordinated meetings were held during TIP development.

Table 1: Agencies Contacted

Agency	Agency Location
Westfield River Wild and Scenic Advisory Committee	Haydenville
MassDOT Planning	Boston
FEDERAL HIGHWAY ADMIN	Cambridge
US EPA	Boston
MassDOT	Boston
COUNCIL ON AGING	Granby
AIR QUALITY CONTROL (DEP)	Boston
FEDERAL TRANSIT ADMIN	Cambridge
MassDOT Highway Division (MHD) District 1 & 2	Northampton/Lenox
OFFICE OF SOCIAL CONCERN	Springfield
Economic Development Council of Western Mass	Springfield
PETER PAN BUS LINES, INC.	Springfield
Pioneer Valley Transit Authority (PVTA)	Springfield
BARNES AIRPORT	Westfield
Pioneer Valley RR	Westfield
Bike/Ped Community (MassBike)	Williamsburg
UMASS Transit	Amherst
UMASS Traveler Information Center (RTIC)	Amherst

These agency are solicited to comment and provide relevant information during TIP development and are invited to attend all meetings and workshop involving project evaluation. Agendas and information in regards the TIP and its development are distributed by mail prior to meetings as outlined in the Public Participation Plan for the Pioneer Valley.

Table 2: Agencies Providing Consultation)

Agency	Agency Location
MassDOT Planning	Boston
FEDERAL HIGHWAY ADMIN	Cambridge
AIR QUALITY CONTROL (DEP)	Boston
FEDERAL TRANSIT ADMIN	Cambridge
MassDOT Highway Division (MHD) District 1& 2	Northampton/Lenox
Pioneer Valley Transit Authority (PVTA)	Springfield