

# UPWP

## Unified Planning Work Program

**Fiscal Year 2010**

**October 1, 2009 to September 30, 2010**



Prepared by  
The Pioneer Valley Planning Commission  
for the Pioneer Valley Metropolitan Planning Organization

Pioneer Valley  
Unified Planning Work Program

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Final Document  
August, 2009

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Pioneer Valley Planning Commission

For the Pioneer Valley  
Metropolitan Planning Organization

**Pioneer Valley MPO Members**

<b>Name</b>	<b>Title</b>
James A. Aloisi, Jr.	Secretary of the Executive Office of Transportation and Public Works
Luisa Paiewonsky	Commissioner of the Massachusetts Highway Department
Richard Butler	Chairman of the Pioneer Valley Executive Committee
Mary MacInnes	Administrator of the Pioneer Valley Transit Authority
Mayor Michael Sullivan	Mayor of Holyoke
Mayor Michael Bissonette	Mayor of Chicopee
Mayor Edward Gibson	Mayor of West Springfield
Mayor Clare Higgins	Mayor of Northampton
James Barry	Belchertown Board of Selectmen
Marcus Boyle	Hatfield Board of Selectmen
<b>Alternates</b>	
Mayor Domenic Sarno	Mayor of Springfield
Mayor Michael Boulanger	Mayor of Westfield
Gerald Devine	Hadley Board of Selectmen
Enrico Villamaino	East Longmeadow Board of Selectmen
<b>Ex-Officio</b>	
Lucy Garliauskas	Federal Highway Administration
Richard Doyle	Federal Transit Administration
James Czach	Chairman – Pioneer Valley Joint Transportation Committee

Prepared in cooperation with the Executive Office of Transportation, the Massachusetts Highway Department, and the Federal Highway Administration and the Federal Transit Administration - U.S. Department of Transportation. The views and opinions of the Pioneer Valley Planning Commission expressed herein do not necessarily state or reflect those of the U.S. Department of Transportation.

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## INTRODUCTION

The Unified Planning Work Program (UPWP) is a narrative description of the annual technical work program for a continuing, cooperative and comprehensive (3C) transportation planning process in the Pioneer Valley Region. As the lead planning agency for the Pioneer Valley Metropolitan Planning Organization (MPO), the Pioneer Valley Planning Commission (PVPC) is responsible for developing the UPWP in cooperation with other members of the MPO including the Pioneer Valley Transit Authority, the Executive Office of Transportation and Public Works (EOT), and the Massachusetts Highway Department (MassHighway).

The UPWP provides an indication of regional long and short-range transportation planning objectives, the manner in which these objectives will be achieved, the budget necessary to sustain the overall planning effort, and the sources of funding for each specific program element. All tasks will be performed by the PVPC in cooperation with appropriate agencies, unless otherwise stated.

The work tasks within this UPWP are reflective of issues and concerns originating from transportation agencies at the federal, state and local levels. As always, the UPWP continues and extends the PVPC's emphasis on "results-oriented" tasks. In addition, several tasks are specifically targeted to implement provisions of several pieces of federal legislation, particularly the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), the Clean Air Act Amendments of 1990 (CAAA) and the Americans with Disabilities Act (ADA).

The descriptions of the tasks to be accomplished and the budgets for these tasks are based on the best estimate of what can be accomplished within the confines of available resources. If, in the performance of this work program, it becomes apparent that certain tasks cannot be accomplished due to changing or unforeseen circumstances, the UPWP will be adjusted by redefining the scope of the tasks and/or reallocating funds among tasks. Such adjustments will be developed in cooperation with EOT, MassHighway, the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the Pioneer Valley Transit Authority (PVTA), and other concerned agencies as appropriate.

The time periods, or "program years", for the various funding sources are outlined in the following chart:

<b>Funding Source</b>	<b>Fiscal Period:</b>
FHWA/MassHighway	October 1, 2009 through September 30, 2010
FTA/EOT	October 1, 2009 through September 30, 2010
PVTA	July, 2009 through June, 2010
Scenic Byways Program	Various Contract Periods

***The Pioneer Valley Metropolitan Planning Organization endorses the 2010 Unified Planning Work Program for the Pioneer Valley MPO once it has been developed cooperatively and in accordance with the Public Participation Process established for this region. The Pioneer Valley MPO endorsed this document on August 19, 2009. A copy of the endorsement sheet appears at the end of this document.***

## TRANSPORTATION PLANNING FUNDING SOURCES

**FHWA/MassHighway** - MassHighway receives two types of funds from FHWA that are passed through to planning agencies to conduct 3C transportation planning activities. These funds include Metropolitan Planning funds (PL) and Statewide Planning and Research funds (SPR) and are apportioned to states on the basis of population in urbanized areas and relative to the amount of highway construction funds the state receives. MassHighway maintains multi-year contracts with planning agencies to conduct transportation related planning activities within each region. These multi-year contracts utilize the PL and SPR funds received by FHWA.

Within the Pioneer Valley region the predominant source of funding from MassHighway is PL funds. In the past, unexpended funds from contract to contract were reserved in a "PL Balance" account for the region. Currently, funds not used during a program year are deobligated and may not be available for future use. Below is a summary of PVPC's continuing PL funding account.

Total PL Allocations as of October 1, 2009 (FFY 2010)	\$14,403,879
Total PL Expenditures as of March 31, 2009	\$12,103,389
Estimated PL Expenditure for Remainder of FFY 2008 UPWP	\$620,355
Current PL Balance (Estimated)	\$1,680,135
Estimated PL Expenditure in FFY 2010 UPWP	\$935,744
Estimated PL Balance as of September 30, 2009	\$744,391

Source: PVPC

A total of \$935,744 in PL funds has been programmed for the FY2010 Transportation Work Program. Direct Costs are expected to vary among tasks in the UPWP and are subject to change. A total of \$40,000 has been allocated for Direct Costs in FY2010.

**FTA/EOTPW/PVTA** –Two types of funds are used for transit planning purposes in the Pioneer Valley region; Section 5303 (formerly Section 8 Metropolitan Planning) and Section 5307 funds (formerly Section 9 Capital) of the Federal Transit Act Amendments of 1991. Section 5303 funds are earmarked for use in planning and technical studies related to urban mass transportation. They are filtered down from the Federal Transit Administration through the EOT to the regional planning agencies in the Commonwealth. Section 5307 funds can be used for planning as well as other purposes, and are distributed by the FTA on the basis of the Regional Transit Authority (RTA) service area population. The Pioneer Valley Transit Authority, using Section 5307 funds from the FTA, contracts with the PVPC for assistance on a wide range of planning activities. Both funds require a 20% local match, which is provided by the RTA.

The Pioneer Valley Transit Authority, the FTA Section 5307 applicant, has consulted with the Pioneer Valley Planning Commission and concurs that the public involvement process adopted by the MPO for the development of the UPWP 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 UPWP review is not sufficient. FTA will require additional public involvement prior to grant approval, as presented in the joint FHWA/FTA environmental regulations, 23 CFR-Part 771.

PVPC also receives 10% of the regional allocation of Section 5316 (Job Access and Reverse Commute) and Section 5317 (New Freedom) funds for administration of these two programs. Both programs are a competitive process. Section 5316 funds are used to address the unique transportation challenges faced by welfare recipients and low-income persons seeking to get and keep jobs. Section 5317 funds are used to support new public transportation services and public transportation alternatives beyond those required by the Americans with Disabilities Act (ADA) of 1990. In the past, PVPC has chosen to allocate 100% of these funds to the successful applicants.

**Other Funding Sources** – Other funding sources available are typically sought to conduct specific planning activities. These funds include highway funds such as Congestion Mitigation Air Quality (CMAQ) funds and Scenic Byway funds. These funds are awarded on a competitive basis and award is not guaranteed.

Many projects completed by the Community Development and Land Use Sections are funded through the award of competitive grants and through private contracts with local communities. These sources include Municipal Incentive Grants (MIGs), Community Development Block Grants, Community Development Action Grants, and Urban Development Action Grants. The PVPC also receives a modest amount of funding from community assessment dollars which is used to supplement the local technical assistance program.

## PIONEER VALLEY METROPOLITAN PLANNING ORGANIZATION MEMBERS

The Pioneer Valley Metropolitan Planning Organization (MPO) implements and oversees the 3C transportation planning process in the Pioneer Valley region. The objective of the **3C** transportation planning process is to assist, support, and provide the capability to maintain an open **comprehensive, cooperative, and continuing** transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines. The Pioneer Valley MPO was restructured in August of 2006 to enhance the role of the local communities in the transportation planning process and allow local MPO members to represent subregional districts respective to community size and geographic location. The number of voting members was increased from eight to ten and consists of the following officials or their designee or alternate.

- The Secretary of the Executive Office of Transportation and Public Works
- The Commissioner of the Massachusetts Highway Department
- The Chairman of the Pioneer Valley Planning Commission
- The Chairman of the Pioneer Valley Transit Authority
- the Mayors of two of the following three (3) urban core cities within the Pioneer Valley region duly elected as prescribed under the provisions of this MOU document:

Chicopee	Holyoke	Springfield
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- the Mayor or a Selectman of one of the following four (4) cities and towns outside of the three core cities within the Pioneer Valley region duly elected as prescribed under the provisions of this MOU document:

Agawam	Southwick	Westfield
West Springfield		

- the Mayor or a Selectman of one of the following five (5) cities and towns within the Pioneer Valley region duly elected as prescribed under the provisions of this MOU document:

Amherst	Easthampton	Hadley
Northampton	South Hadley	

- a Selectman of one of the following fourteen (14) suburban and rural towns within the Pioneer Valley region duly elected as prescribed under the provisions of this MOU document:

Belchertown	Brimfield	East Longmeadow
Granby	Hampden	Holland
Longmeadow	Ludlow	Monson
Palmer	Pelham	Wales
Ware	Wilbraham	

- a Selectman of one of the following seventeen (17) suburban and rural towns within the Pioneer Valley region duly elected as prescribed under the provisions of this MOU document:

Blandford	Chester	Chesterfield
Cumington	Goshen	Granville
Hatfield	Huntington	Middlefield
Montgomery	Plainfield	Russell
Southampton	Tolland	Westhampton
Williamsburg	Worthington	

In addition, the Joint Transportation Committee (JTC) Chairman, and one representative each from the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the Chair of the Infrastructure Committee of the Western Massachusetts Economic Development Council (EDC), the five (5) alternate community MPO representatives, and one representative each from both the Massachusetts Highway Department District One and District Two Offices shall be considered ex-officio, non-voting members of the Pioneer Valley MPO. Alternate members shall be additional chief elected officials from each of the above-cited categories of communities and he/she shall be eligible to attend, participate and vote at MPO meetings in the event that the primary member cannot attend.

### **Pioneer Valley MPO Members**

<b>Name</b>	<b>Title</b>
James A. Aloisi, Jr.	Secretary of the Executive Office of Transportation and Public Works
Luisa Paiewonsky	Commissioner of the Massachusetts Highway Department
Henry Barton	Chairman of the Pioneer Valley Executive Committee
Mary MacInnes	Administrator of the Pioneer Valley Transit Authority
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Mayor Michael Bissonette	Mayor of Chicopee
Mayor Edward Gibson	Mayor of West Springfield
Mayor Clare Higgins	Mayor of Northampton
James Barry	Belchertown Board of Selectmen
Marcus Boyle	Hatfield Board of Selectmen
<b>Alternates</b>	
Mayor Domenic Sarno	Mayor of Springfield
Mayor Michael Boulanger	Mayor of Westfield
Gerald Devine	Hadley Board of Selectmen
Enrico Villamaino	East Longmeadow Board of Selectmen



## JOINT TRANSPORTATION COMMITTEE (JTC)

The JTC is a committee comprised of representatives of local, regional and state governments, as well as private groups and individuals involved in providing transportation facilities, services, and/or planning. The JTC was established by the 3C Memorandum of Understanding for the purpose of incorporating citizen participation in the transportation planning process. It is intended that the JTC be representative of both public and private interests in the region and provide a forum to guide transportation planning activities and transportation improvements in the region. The JTC also serves in an advisory capacity to the MPO as they decide on whether accepting and endorsing a plan or project is appropriate.

### Pioneer Valley Joint Transportation Committee Members and Alternates

Community	Member	Alternate
Agawam	John Stone	Michael Chase
Amherst	Guilford Mooring	Jason Skeels
Barnes Municipal Airport	Brian P. Barnes	
Belchertown	Steven Williams	Gary Brougham/Douglas Albertson
Brimfield	Robert Hanna	
Chester	Rene Senecal	
Chesterfield	Edward Dahill	Matt Smith
Chicopee	Catherine Brown	Steven Frederick
Cummington	Rob Dextraze	
East Longmeadow	David Gromaski	John M. Claffey
Easthampton	Stuart Beckley	James Gracia
Goshen	Joe Dunn	
Granby	David Derosiers	Wayne Tack
Granville	Doug Roberts	Kathryn Martin
Hadley	Alexandra Dawson	
Hampden	Melissa Reeves	
Hatfield	Frank Motyka	
Holland	Earl Johnson	Brian Johnson
Holyoke	Matt Sokop	Jeffrey Burkott
Huntington	Wayne McKinney	
Longmeadow		
Ludlow	Paul Dzubick	Elie Villeno
MassBike	Marvin Ward	
MassHighway District 1	Mark Moore	Peter Frieri
MassHighway District 2	Richard Masse	Eric Abell
Middlefield	Rodney Savery, Jr.	
Monson	John Morrell	Gretchen Neggers
Montgomery	Curtis Bush, Jr.	
Northampton	Wayne Feiden	Edward Huntley
Palmer	Richard Kaczmarczyk	Matthew Streeter
Pelham	Rick Adamcek	
Peter Pan Bus Lines	Peter Picknelly, Jr.	Robert Schwarz
Pioneer Valley Railroad	Michael Rennieke	
Pioneer Valley Transit Authority	Nicole Rohan	
Plainfield	Charles Waterhouse	
Russell	Mickey Sharkey	Lyle Maxwell
South Hadley	Jim Reidy	Yem Lip
Southampton	Edward J. Cauley	
Southwick	Jeff Neece	Richard Grannells
Springfield	Allan Chwalek	Peter Shumway
Tolland	James Deming	Jason Smith
University of Massachusetts	Al Byam	
Wales	Michael Wasiluk	
Ware	Gilbert St. George-Sorel	Paul Hills
Western Massachusetts Economic Development Council	Ken Delude	
Westfield	Mark Cressotti	
Westhampton	David Blakesly	Brian Mulvehill
West Springfield	James W. Lyons	James Czach
Wilbraham	James E. Thompson	Tonya Bosch
Williamsburg	William Turner	
Worthington	Cork Nugent	

## TRANSPORTATION PLANNING STAFF

The Pioneer Valley Planning Commission employs a total of ten full-time transportation planners and at least two part-time transportation interns.

<u>Name</u>	<u>Title</u>
Rana Al Jammal	Senior Transportation Planner - Specialist
David Elvin	Senior Transit Planner
David Johnson	Transportation Planner - Specialist
Amir Kouzehkanani	Principal Planner – Manager
Andrew McCaul	Transportation Planner I
Jeffrey McCollough	Senior Transportation Planner II
Kelvin Molina	Transportation Planner II
Khyati Parmar	Transportation Planner I
Dana Roscoe	Principal Planner - Section Head
Gary Roux	Principal Planner - Section Head

## STAFFING REPORT

The following PVPC staff members are expected to work on the FY2009 Unified Planning Work Program. The percentage of each staff member's time devoted to Transportation Planning Tasks is approximated under "% Time on Transportation".

<b>Staff</b>	<b>Position</b>	<b>% Time on Transportation</b>
Rana Al Jammal	Senior Transportation Planner - Specialist	100%
Jessica Allen	Land Use Planner	25%
Jayne Bernhard	Planner	9%
David Elvin	Senior Transit Planner	100%
Anne Capra	Principal Planner	2%
Ray Centeno	Graphics Designer	24%
Chris Curtis	Chief Planner/Section Manager	18%
Tony Dover	Planner	10%
Christopher Dunphy	Community Development Senior Planner	10%
Molly Jackson-Watts	Analyst/Regional Information Center Manager	71%
Patty Gambarini	Senior Planner	5%
James Gray	Community Development Principal Planner	10%
Dave Johnson	Transit Planner - Specialist	100%
Amir Kouzehkanani	Principal Transp. Planner/Manager	100%
James Mazik	Deputy Director for Operation/Community Development Section Manager	15%
Andrew McCaul	Transportation Planner I	100%
Jeff McCollough	Senior Transportation Planner	100%
Catherine Miller	Principal Planner/Section Manager	16%
Kelvin Molina	Transportation Planner II	100%
Khyati Parmar	Transportation Planner I	100%
Bonnie Parsons	Community Development Principal Planner	35%
Dana Roscoe	Principal Planner – Section Head	100%
Gary Roux	Principal Planner – Section Head	100%
Jim Scace	Senior Planner/GIS Specialist	15%
Ashley Shea	Communications Manager	19%
Todd Zukowski	GIS/Cartographic Section Manager	25%
Transportation Interns (3)	Intern	100%

## PREVIOUS TRANSPORTATION STUDIES

Jacob's Ladder Trail Scenic Byway - Landscape Inventory & Assessment  
Jacob's Ladder Trail Scenic Byway Study- Executive Summary  
Jacob's Ladder Trail Scenic Byway - Highway and Safety Analysis  
Jacob's Ladder Trail Scenic Byway- Cultural Resources Inventory  
Jacob's Ladder Trail Scenic Byway Study- Land Use Strategies  
Touring Jacob's Ladder Trail by Bicycle or Car  
Jacob's Ladder Trail Scenic Byway Development Guidebook  
Jacob's Ladder Trail Scenic Byway. Improvements Plan: Phase II  
Town of Hadley Ma. Americans with Disability Act. Transition Plan.  
The Pioneer Valley Plan For Progress  
Connecticut River Walk & Bikeway Analysis  
Valley Vision: The Regional Land Use Plan  
A View of Our Valley: Population  
A View Of Our Valley: Transportation  
A View of Our Valley: Employment & Income  
A View of Our Valley: Market Trends  
Employment Projections for the PVPC  
Major Employers Inventory for the Pioneer Valley Region  
1997 Major Employers Inventory Report  
Route 9 Corridor Study, Traffic Improvements  
I- 91 Corridor Study: An Impact Analysis of the Cultural Landscape  
Southwick Report: A Report on Traffic Issues  
1990 Transit Riders Study  
Route 10 Corridor Study  
Route 9 Corridor Supplemental Report  
Route 5 Corridor Study  
Rte.9 Corridor Study: Land Use Trends  
Rte.9 Corridor Study Addendum  
Rte. 5 Corridor Study Supplemental Reports:  
Rte. 5 Signal Coordination  
Elmwood Area Preliminary Travel Demand Analysis  
Route 10/202 Corridor Study  
Regional Traffic Count Reports  
Origin/Destination Survey of PVTA Rte. 107  
Complimentary Paratransit Plan  
Forging a Link Between Land Use & Transportation Planning in the Pioneer Valley Region  
Boston Road Corridor Study  
The VMT Reduction Workbook  
PVTA Economic Benefit and Impact Study  
1997 Pioneer Valley Regional Transportation Plan  
Regional Pavement Management Report  
State Street Signal Coordination Project  
Pioneer Valley Region Congestion Mgmt. System  
Traffic and Parking Study Update Report for Easthampton  
Connecticut River Scenic Farm Byway Study  
Route 20 Corridor Study – Westfield/West Springfield  
Town of Wilbraham Pavement Management Study  
Town of Belchertown Pavement Management Study  
Town of Ludlow Pavement Management Study  
PVTA Green 01 Transit Route Survey  
PVTA Bus Stop Survey  
Downtown Amherst Parking Study  
Downtown Ware Parking Study  
East Longmeadow Rotary Study  
There's No Place Like Our Home (Strategy 2000)  
Springfield Street Traffic Study – Agawam  
Norwottuck Rail Trail Parking Study  
Public Participation within the Transportation Planning Process  
State of the Pioneer Valley: 2000  
State of the Pioneer Valley: 2001  
Trends in Building Permits: 1988 to 1997  
Data Digest: Commercial and Industrial Capacity in the Pioneer Valley Region  
Data Digest: Residential Property in the Pioneer Valley Region: 1993 - 98  
Regional Profile: A Statistical Profile of the Hartford-Springfield Interstate Region  
Agawam Pavement Management Study  
Pioneer Valley Regional Bicycle and Pedestrian Transportation Plan  
Bradley Airport Study for Western Massachusetts  
2000 Pioneer Valley Regional Transportation Plan  
Outer Belt Transportation Study  
Holyoke Downtown Flow Study  
Hampden County House of Correction Parking Study  
Linden Street Traffic Study  
Northampton Transportation Plan  
2003 Regional Transportation Plan Update  
West Springfield Parking Study  
PVTA Garage Parking Study  
Longmeadow Route 5 Traffic Study  
Norwottuck Rail Trail User Survey  
Executive Order 418 Community Development Plans (various)  
Route 32 – Ware Traffic Study  
Springfield – St. James Ave./St. James Blvd. Study  
Merrick/Memorial Neighborhood Plan – Phase I  
Route 9 at North and South Maple Street Safety Study  
Massachusetts Turnpike Exit 6 at I-291 Safety Study  
Route 5 at Conz Street Safety Study  
Pavement Management Informational Brochure  
Springfield Riverwalk User Survey  
Updates to the Regional Congestion Management System  
Center Street Traffic Study – Ludlow  
Feeding Hills Center Safety Study – Agawam  
Florence Road at Burts Pit Road Safety Study – Northampton  
Boston and Maine Railroad Bridge Safety Study – Northampton  
West Street at Pantry Road Safety Study – Hatfield  
Regional Bike Map Update  
Amendment to the 2003 Regional Transportation Plan  
2006 Update to Joint Transportation Committee Bylaws  
Regional Traffic Count Report Summary: 2001-2005  
SABIS School Study – Springfield  
Amostown Road and Morgan Road Traffic Study – West Springfield  
Connecticut River Walk and Bikeway Brochure  
Main Street at Jackson Street Safety Study – Holyoke  
Route 141 Safety Study – Easthampton and Holyoke  
I-291 Exit 6 off ramp at Shawinigan Drive Safety Study – Chicopee

Downtown Huntington Parking Study  
 Route 57 intersection study – Southwick  
 Regional CMS Data Collection Update  
 Merrick/Memorial Truck and Pedestrian Surveys  
 Palmer Park and Ride Lot Study  
 Local Technical Assistance Requests (various)  
 2007 Regional Transportation Plan Update  
 Route 141 Safety Study Updates – Easthampton and Holyoke  
 Valley Vision 2  
 Regional Bicycle and Pedestrian Plan Update  
 Feeding Hills Center Transportation and Safety Study Final Report  
 Regional CMP Annual Report Update  
 Top 100 Crash Locations in the Pioneer Valley  
 Route 202 Transportation Study – Belchertown  
 Florence Road Traffic Study – Northampton  
 Palmer Redevelopment Authority Track Capacity Improvements  
 Route 10/202 Transportation Study – Southwick  
 Route 57 Transportation Study – Southwick

North Pleasant Street at Fearing Street Study – Amherst  
 PVPC Regional Bridge Map  
 Palmer Bike Path Study  
 Route 112 Scenic Byway Study - Draft  
 Public Participation Plan for the Pioneer Valley MPO Update  
 STCC Environmental Justice Analysis  
 Regional Traffic Counts: 2003-2007  
 State of the Region/People 2008  
 PVTA Fare Assessment  
 Route 10 Corridor Study Existing Conditions Analysis– Easthampton  
 R41 and Nashawannuck Express Passenger Surveys  
 PVTA Systemwide Passenger Survey  
 Amherst Parking and Transit Survey  
 Granby Master Plan – Transportation Component  
 Adams Road Safety Study – Williamsburg  
 Feeding Hills Center Crash Data Review – Agawam  
 Route 9 at North Street and Petticoat Hill Road Study – Williamsburg  
 Southwick Transit Study

## **STUDIES COMPLETED AS PART OF THE FY 2009 UPWP**

Community and Facility Profiles (various)  
 Local Technical Assistance Requests (various)  
 FFY 2010 Unified Planning Work Program  
 FFY 2007 Transportation Improvement Program Amendments  
 FFY 2010 – 2013 Transportation Improvement Program  
 Jacob's Ladder Trail II – Transportation Section Update  
 2008 MassHighway Crash Data Updates  
 Major Employers Report Update  
 Westfield CBD Traffic Circulation Study  
 Intermodal Connector Review  
 CMP Report Update  
 Page Boulevard at Goodwin Street Congestion Study - Springfield  
 Berkshire Avenue at Cottage Street Congestion Study - Springfield  
 Route 5 Traffic Signal Coordination Study – Holyoke  
 Telecommuter Survey  
 Granby Road at McKinstry Avenue and Montgomery Street Safety Study – Chicopee  
 Maple Street at Resnic Boulevard Safety Study – Holyoke  
 North Main Street at Wilbraham Street, Sykes Street, and Shearer Street Safety Study – Palmer  
 Dwight Street at Worthington Street Safety Study – Springfield

**WORK ELEMENT 1 – MANAGEMENT AND CERTIFICATION OF THE 3C PROCESS**

This work element encompasses the administration and support of the 3-C transportation process and has been divided into the following tasks for FY 2010.

**Task 1.1 Management of the 3-C Process**

**OBJECTIVE:**

To assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding.

**PREVIOUS WORK:**

Management of the 3C process using previous Unified Planning Work Program and prospectus documents, transportation plans, Memorandum of Understanding, and Annual Review Reports.

**PROPOSED ACTIVITIES:**

1. Provide liaisons between PVPC communities, PVTA, private transportation providers, abutting regions and communities including the State of Connecticut, and other organizations at the local, regional, state, and federal levels on transportation related matters, issues and actions.
2. Work with the Metropolitan Planning Organization (MPO) and its constituent members. Present transportation plans, studies and programs developed through the 3C public participation process for appropriate MPO action.
3. Provide technical assistance to the Transportation Policy Advisory Group (i.e. Joint Transportation Committee) and subgroups thereof.
4. Participate in Transportation Managers Group as a means to continually improve the quality and operation of the transportation planning process.
5. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines.
6. Provide transportation planning services in support of the PVPC's comprehensive planning programs and conduct meetings and workshops on transportation issues.
7. Participate in informational transportation programs and courses. Review literature on new transportation planning procedures.

**PRODUCTS:**

1. Technical assistance memoranda, reports, and workshops as needed.
2. Updates to certification documents as required.
3. MPO meeting minutes.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$30,000	17 weeks
MassHighway (20% match)	\$ 7,500	4 weeks
FTA S.5303	\$15,000	8 weeks
PVTA S.5307	\$ 6,250	3 weeks
FTA S. 5316	\$ 7,500	5 weeks
FTA New Freedom	\$ 5,000	3 weeks
<b>TOTAL</b>	<b>71,250</b>	<b>40 weeks</b>

Direct Labor	\$32,683
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Indirect Costs	\$38,567
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## **Task 1.2 Unified Planning Work Program**

### **OBJECTIVE:**

To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all anticipated transportation and transportation-related planning activities in the PVPC region. The UPWP will include a summary of the estimated funding source(s) for each task and be completed in conformance with applicable federal, state, and regional guidelines.

### **PREVIOUS WORK:**

1. Pioneer Valley Unified Work Programs 1974 - 2009.

### **PROPOSED ACTIVITIES:**

1. Review and amend relevant portions of the PVPC's UPWP in order to meet new planning requirements and/or circumstances pertinent to the region's transportation sector. Circulate revisions to the appropriate agencies for review and/or endorsement.
2. Develop a new UPWP for the Pioneer Valley MPO covering the next program year. The development of a new UPWP will be prepared in cooperation with the Regional Joint Transportation Committee (JTC) and EOTPW and subject to the adopted Public Participation Plan.
3. Perform outreach to member communities to identify potential transportation planning activities for inclusion in the UPWP.

### **PRODUCTS:**

1. Amendments to the current UPWP as necessary.
2. UPWP for the next program year (FFY 2011)

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$5,500	2 weeks
MassHighway (20% match)	\$1,375	1 week
FTA S.5303	<u>\$1,250</u>	<u>1 week</u>
TOTAL	\$8,125	4 weeks

Direct Labor	\$3,727
Indirect Costs	\$4,398

## **Task 1.3 Public Participation Process**

### **OBJECTIVE:**

To assess the effectiveness of the current Public Participation Process and to develop and enhance the process of regional involvement supporting the objectives of SAFETEA-LU. To provide the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process.

### **PREVIOUS WORK:**

1. Pioneer Valley Public Participation Process 2000-2009.
2. Planned, produced and created online training modules for the PVPC webpage that demonstrate bicycle rack installation techniques.
3. Memorandum of Understanding for the restructure of the Pioneer Valley Metropolitan Planning Organization.
4. PVPC website.
5. Pavement Management Informational Brochure
6. Press releases and publicity announcing transportation projects and events
7. Quarterly PVPC newsletter "Regional Reporter"

**PROPOSED ACTIVITIES:**

1. Expand and refine the current Public Participation Process as needed.
2. Apply the Public Participation Process to transportation programs and tasks to: prepare for public meetings; attend public meetings; perform outreach to increase public participation; inform and educate residents and employers of the region about SAFETEA-LU, transportation legislation, the CAAA, and PVPC activities.
3. Apply new and innovative approaches to improve public participation levels and opportunities, especially for plans and programs.
4. Incorporate “visioning” approaches to improve public participation and outreach efforts.
5. Update the transportation section of the PVPC webpage to include information on current and past transportation studies. Enhance transportation education by developing informational brochures on transportation planning activities and services.
6. Expand video material available on the PVPC web site.

**PRODUCTS:**

1. Meeting minutes.
2. Press releases for transportation projects.
3. Web based information distribution.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$17,400	10 weeks
MassHighway (20% match)	\$ 4,350	2 weeks
FTA S.5303	\$ 7,500	4 weeks
PVTA S.5307	\$ 5,000	3 weeks
FTA S. 5316	\$ 5,000	3 weeks
FTA New Freedom	\$ 5,000	3 weeks
<b>TOTAL</b>	<b>\$44,250</b>	<b>25 weeks</b>

Direct Labor	\$20,298
Indirect Costs	\$23,952

**Task 1.4 Transportation Improvement Plan (TIP) Development**

**OBJECTIVE:**

With guidance from the Pioneer Valley MPO, PVPC staff will develop, update, amend, and maintain the TIP. The TIP is a multi year financially constrained program of transportation improvement projects. The TIP is consistent with the Regional Transportation Plan, the State Implementation Plan, EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

**PREVIOUS WORK:**

1. Pioneer Valley Transportation Improvement Programs 1974 – 2009
2. Transportation Improvement Program Database
3. Annual Transportation Evaluation Criteria (TEC) Forms Update
4. Annual TEC summary sheet to assist in populating the Draft TIP.
5. Map of TIP projects programmed by year

**PROPOSED ACTIVITIES:**

1. Update and improve PVPC’s database of transportation projects. Data will satisfy the requirements of the Metropolitan Planning Rules.
2. Assist Communities with the development of new and existing projects in order to meet MassHighway Design Guide Book requirements



3. Assist JTC with the utilization of project evaluation criteria in order to develop a financially constrained project listing for each program year with federal, state and regional officials.
4. Maintain the financial element for all years of the TIP. Financial constraint will be maintained based on funding targets provided by MassHighway. Funding sources will also be provided when available.
5. Present air quality conformity findings conducted for the RTP and TIP. Analyses and documentation will satisfy the requirements of the Metropolitan Planning Rules.
6. Coordinate meetings with federal, state and regional officials to cooperatively prepare, review and revise the TIP.
7. Conduct appropriate public participation for the TIP consistent with the public participation plan for the region.
8. Present documents to the MPO for endorsement.
9. Conduct formal amendments and adjustments as necessary.
10. Attend regular meetings with MassHighway staff from both district offices to exchange information regarding transportation improvement projects.
11. Provide links on the PVPC web site for communities to use to access current as well as archived TIP documents and project information.
12. Coordinate monthly Joint Transportation Committee (JTC) meetings and sub-committee meetings as required.

**PRODUCTS:**

1. FFY 2011 - 2014 Transportation Improvement Program.
2. TIP Amendments and Adjustments as necessary.
3. Comment Summary Report for comments received during public review of the TIP.
4. Ranked list of evaluated TIP projects, with corresponding TEC sheets.
5. Updated map displaying the 4 years of programmed projects.
6. TIP webpage providing all pertinent project information for official use.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$40,000	22 weeks
MassHighway (20% match)	\$10,000	5 weeks
FTA S.5303	\$12,500	7 weeks
PVTA S.5307	\$ 7,500	4 weeks
TOTAL	\$70,000	38 weeks

Direct Labor	\$32,110
Indirect Costs	\$37,890

**Task 1.5 Statewide Funding Proposal Assistance**

**OBJECTIVE:**

To provide management, guidance and technical support for the development and maintenance of statewide TIP funding programs. Programs include Transportation Enhancements, Travel Demand Management, and Congestion Mitigation/Air Quality.

**PREVIOUS WORK:**

1. Funding Proposal Assistance – 1998 - 2009.
2. Participated as MARPA representative to Statewide Enhancement Steering Committee 1998-2004.

**PROPOSED ACTIVITIES:**

1. Provide technical assistance to communities in the development of project grant proposals, in public outreach and consensus building, and in implementing projects through the MassHighway funding process.
2. Assist MassHighway in advancing Enhancement projects, including the Keystone Arch Bridges project, to implementation.

**PRODUCTS:**

1. Technical assistance to communities on Enhancement project development.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$2,000	1 week
MassHighway (20% match)	\$ 500	1 week
PVTA S.5307	\$2,500	1 week
<b>TOTAL</b>	<b>\$5,000</b>	<b>3 weeks</b>

Direct Labor	\$2,293
Indirect Costs	\$2,707

**Task 1.6 Environmental Justice**

**OBJECTIVE:**

To provide full participation for minority and low-income communities in the MPO planning and decision making process. Ensure that these communities are treated equitably and given full consideration in the provision of transportation services and projects.

**PREVIOUS WORK:**

1. Expanded public participation efforts related to the RTP and TIP to target key minority population groups in the region.
2. Coordinated EJ assessment and outreach with the Springfield Technical Community College and PVTA for a parking lot expansion and shuttle bus service.
3. Hosted a statewide EJ workshop and networking session.
4. Developed bi-lingual survey form for transit surveys.
5. Coordination with the Rails to Trails Conservancy, Springfield Health Coalition, and the National Parks Service to create the “Springfield Art Walk”.
6. Development of regional maps to identify areas of low-income and minority populations, average vehicle ownership, major employers, the PVTA fixed route transit system, and major shopping areas.
7. Coordinated a survey of commuter students for the Massachusetts Career Development Institute.
8. Attended FHWA training workshops on Title VI.
9. Evaluated the distribution of transportation investments in the Pioneer Valley region.
10. Updated region-wide databases and GIS maps of Welfare clients.
11. Participation in the region-wide Welfare-to-Work Task Force and Hampden County SDA Quartet meetings.
12. Develop bilingual public notices for the Transportation Improvement Plan and the Regional Transportation Plan.
13. Inventory of regional Transit Amenities (stops and shelters).

**PROPOSED ACTIVITIES:**

1. Incorporate “visioning techniques” in new projects and planning tasks that will better engage low income and minority populations.

2. Actively seek out stake holders and meet with regional organizations and groups that work with the Environmental Justice Community to facilitate and coordinate participation in the regional transportation planning process.
3. Develop bilingual surveys for PVRTA and bilingual public notices for the Transportation Improvement Plan and the Unified Planning Work Program to provide increased opportunities for under-served populations to be represented in the public participation process.
4. Continue to assess proposed transportation investments in the Pioneer Valley region to determine whether low-income and minority communities are receiving a fair allocation of available resources.
5. Continue coordination between PVPC and CRCOG related to Environmental Justice.
6. Review measures of effectiveness regarding implementation of Title VI.
7. Facilitate surveys and other planning activities as appropriate to assist in the development of appropriate future transportation planning activities that are equitable for all residents of the region.

**PRODUCTS:**

1. Stakeholders meetings and meetings with community organizing groups.
2. Staff attendance at Environmental Justice training workshops as needed.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$12,500	6 weeks
MassHighway (20% match)	\$ 3,125	2 weeks
PVRTA S.5307	\$10,000	5 weeks
FTA S.5303	\$ 9,375	5 weeks
TOTAL	\$35,000	18 weeks

Direct Labor	\$16,055
Indirect Costs	\$18,945

## WORK ELEMENT 2 - TECHNICAL SUPPORT & DATA COLLECTION

This element outlines specific activities to be conducted in support of transportation planning tasks described in other UPWP elements.

### Task 2.1 Traffic Counting

#### OBJECTIVE:

To provide accurate and efficient traffic data collection services to the MassHighway and the PVPC's 43 member communities.

#### PREVIOUS WORK:

1. Regional Traffic Counting Program 1985 - 2009.
2. Traffic count library and database at PVPC.
3. Highway Performance Monitoring System (HPMS) data collection and analysis.
4. Regional Traffic Counts, 2003 – 2007.

#### PROPOSED ACTIVITIES:

1. Collect 48 hour traffic count data and GPS coordinates to assist in mapping at locations requested by MassHighway.
2. Collect HPMS data and perform analysis, as requested by MassHighway.
3. Update the PVPC traffic count library by supplementing the MassHighway count locations in the region and performing traffic counts for communities on a limited request basis.
4. Submit all traffic count data to the MassHighway and the appropriate community.
5. Conduct four monthly traffic counts to collect seasonal traffic information for the region and assist in the development of regional adjustment factors and growth rates.
6. Provide traffic counts for other UPWP tasks including the Regional Transportation Model, Local Technical Assistance requests, and management systems.
7. Update and maintain the PVPC traffic count database.
8. Collect bicycle and pedestrian volumes at pre-determined locations.
9. Provide a summary of PVPC's traffic counts for the previous 5 years on the agency webpage.

#### PRODUCTS:

1. Summary reports of daily traffic count information for the region.
2. Document traffic counts for other UPWP tasks as performed.
3. Regional Traffic Count Summary Report: 2005-2009.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$30,000	17 weeks
MassHighway (20% match)	\$ 7,500	4 weeks
TOTAL	\$37,500	21 weeks

Direct Labor	\$17,202
Indirect Costs	\$20,298

## **Task 2.2 Regional Travel Demand Modeling/Clean Air Planning**

### **OBJECTIVE:**

To maintain and advance the regional travel demand model of the Pioneer Valley Region as a tool for sustainable transportation planning and air quality conformity. To develop certification documents, reports, and other materials that meet the goals of the Clean Air Act Amendments (CAAA), SAFETEA-LU as it pertains to air quality planning, the State Implementation Plan (SIP), and the goals and objectives of the PVPC.

### **PREVIOUS WORK:**

1. Development of the PVPC regional travel demand forecasting model.
2. Air quality conformity determinations for the RTP, TIP and at the request of MassHighway.
3. PVPC regional transit model.
4. TransCAD network for the PVPC Regional Transportation Model calibration of 1997 base roadway inventory file.
5. 2000 Census Data and geography updates.
6. Provide support data to CONDOT, CRCOG and other neighboring regions to be used in their Transportation Model to assess a proposed New Haven – Springfield commuter rail and ongoing planning efforts
7. Memorandum on quantitative and qualitative evaluation criteria for CMAQ funded TIP projects.
8. Position paper on the impact of converting the regional model from external stations to external zones.
9. VMT Estimates for 43 communities of the Pioneer Valley region.
10. Preliminary analysis for the Easthampton Master Plan.
11. Testing of initial Evacuation Model scenarios for Hampden county.

### **PROPOSED ACTIVITIES:**

1. Update roadway inventory information, regional traffic analysis zone (TAZ) data, future analysis years, and data from surrounding planning agencies in the PVPC regional transportation model as necessary.
2. Work with the Office of Transportation Planning to provide updated information on non-exempt regional projects for inclusion in the statewide model.
3. Perform air quality conformity determinations as necessary for TIP projects to be funded under the Congestion Mitigation and Air Quality (CMAQ) program and potential projects applying for funding under the Transportation Demand Management (TDM) program.
4. Develop Community links within the regional model in order to estimate community effects of transportation improvement projects.
5. Continue to provide supporting data from the model to communities and MassHighway.
6. Use the regional transportation model to assist in the development of future build out estimates as part of ongoing transportation planning activities.
7. Conduct transit planning activities and bus route analysis incorporating southern and northern bus routes.
8. Use the regional transportation model to assist in evacuation planning.
9. Upgrade model features to enhance the tools offered by the model.
10. Work to integrate the results of the 2009 telecommuting travel survey into the regional model.

11. Prepare for the addition of TAZ's to the Regional Travel Demand Model in anticipation of changes provided by the upcoming United States 2010 census.
12. Set up the conversion process for the Regional Travel Demand Model base year from 2000 to 2010.

**PRODUCTS:**

1. Updates to the regional travel demand model.
2. Conformity statements and air quality support materials for the RTP and the TIP as necessary.
3. Comments on proposed federal and state regulations.
4. Provide maps for ongoing requests of graphical representation of existing model structure.
5. Advanced transportation planning analysis.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$48,000	27 weeks
MassHighway (20% match)	\$12,000	7 weeks
FTA S. 5303	\$ 4,375	2 weeks
PVTA S. 5307	\$ 9,375	5 weeks
TOTAL	\$73,750	41 weeks

Direct Labor	\$33,830
Indirect Costs	\$39,920

**Task 2.3 GIS, Mapping and Graphics**

**OBJECTIVE:**

Develop, maintain, archive, and distribute digital geo-referenced data about the Pioneer Valley Region and its transportation systems. The GIS/Graphics Center looks to increase access to an extensive regional database; improve spatial analytical capabilities; and serve as a catalyst for cooperative development, exchange and distribution of map data. A strong emphasis will be placed on the development of high quality products which enhance decision-makers' understanding of complex issues and facilitate the implementation of local and regional goals.

**PREVIOUS WORK:**

1. Created and maintained GIS regional bus system database; including updates to the transit system map, preparation of individual maps and schedules, regional transit service analysis, and support to PVTA web page.
2. Acquired, revised and integrated relevant GIS spatial data/map coverages generated at local, state and federal levels into Pioneer Valley regional projects, including: road centerlines, road names, updated municipal zoning, land use, parcel, and critical public infrastructure data.
3. Developed, enhanced, and maintained several spatial data layers to support transportation-related projects, including: functional classification of roads, traffic count locations, congestion management, parking facilities, signalization, pavement conditions, regional bicycle and pedestrian infrastructure, ADA transit service area, areas of regional growth, etc.
4. Updated the regional bicycling map, through analyses to roadway criteria employed in the Federal Highway Administration Bicycle Suitability Analysis rating system.
5. Promoted GIS technology and areawide systems coordination through participation in statewide GIS Advisory Committee, Western

Massachusetts GIS User group, and direct assistance to Pioneer Valley communities.

**PROPOSED ACTIVITIES:**

1. Continue to develop and implement management strategies, which address staff training, establish agency data standards and data collection protocol, and conformance to map design that can be applied to all GIS products.
2. Pursue the use of GIS and other automated mapping and spatial analytical technologies for transportation applications. Enhance existing digital base map data and develop geographically referenced data layers for use in transit service analysis, regional land use & smart growth planning activities, emergency response, critical infrastructure assessment, public works and pavement management, and transportation system planning.
3. Continue to assist in distribution of new statewide oblique imagery and GIS data sets. Support development of municipal applications to employ these data and promote expanded use of automated mapping technologies and spatial analytical tools.
4. Integrate information generated to support transit and transportation management systems into the GIS. Create maps and graphics to promote understanding of related issues.
5. Continue to create and update digital municipal spatial data on a phased basis using aerial photography, digital orthophoto quads, municipal sources, field survey, and liaison with officials.
6. Work with state and federal agencies to review, correct and enhance regional GIS map coverages and related data to meet state and federal standards and support development to Homeland Security and Pre-disaster mitigation spatial data for western Massachusetts.
7. Work with PVPC staff to assimilate state and federal data and data structure (i.e., road centerline/road inventory) into the Commission's database and analytic modeling programs.
8. Upgrade GIS system and provide enhancements to the PVPC office network and web capacity to improve access and use of GIS data/analysis and map products.
9. Strengthen role as regional GIS Service Center, designed to promote development of statewide GIS and related technologies; improve public access to digital data; provide technical support to municipalities interested in developing and employing GIS; and become a regional repository for the Massachusetts Data Library.
10. Promote the agency and its efforts to resolve regional issues through published materials, thematic maps, distribution of information over the worldwide web, and educational multi-media presentations.

**PRODUCTS:**

1. Development of new and enhanced digital data layers.
2. Update to municipal planimetric base maps as necessary.
3. Transportation systems facility and planning maps.
4. Expand, update and maintain the GIS website.
5. Design and publish series of maps and reports focusing on transportation planning issues, regional smart growth strategies, recently released socio-economic data, and PVPC conducted field surveys.
6. Development of regional spatial data to support federal and state initiatives (i.e., Massachusetts spatial data infrastructure, preparations to 2010 U.S. Census, homeland security and disaster planning).
7. Update centerline/road inventory and functionally classified roads.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$46,140	25 weeks
MassHighway (20% match)	\$11,535	6 weeks
FTA S. 5303	\$ 8,750	5 weeks
PVTA S. 5307	\$ 6,250	3 weeks
FTA S. 5316	\$ 5,000	3 weeks
TOTAL	\$77,675	42 weeks

Direct Labor	\$35,630
Indirect Costs	\$42,045

## **Task 2.4 Information Center**

### **OBJECTIVE:**

Serve as a resource to regional transportation, economic development, land use, and municipal planning workers and officials for regional data and information. To continuously maintain this resource and its associated electronic infrastructure as well as gather, develop, and analyze data about the Pioneer Valley region. A focus will be placed on analyzing and summarizing data from multiple sources to produce value-added information in support of transportation planning activities. The Information Center produces high quality written and graphic information and research products that are easily accessible and understandable to the public. New options are also explored to deliver data and information to a wide and diverse audience.

### **PREVIOUS WORK:**

1. Developed population, household, and employment estimates and projections for use in the regional transportation model.
2. Developed a municipal indicators database for every city and town in the Pioneer Valley based on January 2008 data.
3. State of the Region/People – 2009 Update and redesign of database to improve access..
4. Study of employers in the region with a focus on small businesses and economic clusters.
5. Analyzed labor market surrounding proposed regional commuter rail project.
6. Expanded data available through PVPC's website.
7. Updated Community Profiles for all 43 municipalities in the Pioneer Valley region as well as one for the region as a whole.
8. Updated Facility Profiles for transportation and infrastructure facilities in the Pioneer Valley region.
7. Conducted detailed fiscal and ridership analyses in support of the Pioneer Valley Transit Authority (PVTA).
9. Prepared a new regional employment database and published a new *2008 Major Employers Inventory for the Pioneer Valley Region*.

### **PROPOSED ACTIVITIES:**

1. Analyze data relevant to contemporary transportation, economic development, land use, and municipal planning issues. Perform detailed analysis of the most recent American Community Survey (ACS) and Economic Census. This is an ongoing, annual task.
2. Disseminate information to decision-makers and other data users. The primary focus of this activity will be the ongoing dissemination of American Community Survey data, Economic Census data, Census population estimates, municipal finance data, current economic indicators, and labor market information that will assist in positive



- transportation planning and decision making. This is an ongoing, annual task.
3. Provide research and socio-economic services to municipalities and other external stakeholders as requested. This is an ongoing, annual task.
  4. Track regional socio-economic and transportation related indicators, for incorporation into the annual update of the PVPC State of the Region data reported through the PVPC website.
  5. Maintain and update the Information Center's information system that integrates demographic, economic, and municipal data.
  6. Assist the Plan for Progress Trustees with transportation related initiatives to encourage regional economic development. This is an ongoing, annual task.
  7. Continue to support efforts to update the regional transportation model with the latest population and employment data and estimates for future analysis years. This is an ongoing, annual task.
  8. Analyze labor market surrounding proposed regional commuter rail to assist with planning and advocacy efforts.
  9. Assist in the development of a regional economic development strategy that focuses on a building a green regional economy and incorporating a more integrated and expanded regional transportation system. Assist in creating an implementation team for this strategy.
  10. Research and analyze data related to the importance of urban centers in the overall economic success of the Pioneer Valley region to assist with planning of future transportation investments.
  11. Complete a facility profile focusing on the public transit opportunities available in the Pioneer Valley region.
  12. Update and analyze region wide data indicators on the State of the Pioneer Valley website to measure progress and needs of the region in the areas of transportation, economic development, and health.

**PRODUCTS:**

1. Analytical and research reports on region's demographic and economic trends.
2. Maintain information systems of socio-economic and disparate data.
3. Update data on the Information Center website and research methods for making data more easily usable and accessible to decision makers and the public.
4. Analysis and written report examining the importance of urban centers in the overall economic success of the Pioneer Valley region to assist with planning of future transportation investments.
5. Updated region wide data indicators on State of the Pioneer Valley website.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$40,000	21 weeks
MassHighway (20% match)	\$10,000	6 weeks
FTA S. 5303	\$ 1,250	1 week
TOTAL	\$51,250	28 weeks

Direct Labor	\$23,509
Indirect Costs	\$27,741

## **Task 2.5 Regional Congestion Management Process - Data Collection**

### **OBJECTIVE:**

To perform data collection necessary to advance the Congestion Management Process (CMP) in the Pioneer Valley region. Identify, collect and manage transportation data to support the various CMP performance measures as well as identify areas of congestion and monitor the effectiveness of the region's operational management strategies.

### **PREVIOUS WORK:**

1. Development of the PVPC CMP database.
2. Travel time data runs to identify and verify congested areas.
3. Travel time data runs to document the effectiveness of recently completed transportation improvement projects.
4. Travel time data runs to develop travel time contours for the region.
5. Regional Park and Ride Lot data collection.

### **PROPOSED ACTIVITIES:**

1. Collect data for CMP problem verification, studies, regional model calibration, and transportation monitoring.
2. Collect transit travel time, delay, percentage of riders making transfers, and other appropriate performance measure data to assist in the identification of congested corridors.
3. Collect data at existing park and ride facilities in the region.

### **PRODUCTS:**

1. Updated Pioneer Valley CMP Database.
2. Update to the annual CMP Summary Report.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$11,000	6 weeks
MassHighway (20% match)	\$ 2,750	2 weeks
TOTAL	\$13,750	8 weeks

Direct Labor	\$6,307
Indirect Costs	\$7,443

## **Task 2.6 Regional Pavement Management System - Data Collection**

### **OBJECTIVE:**

To continue data collection for the Pioneer Valley Pavement Management System (PMS) on all federal aid roadways. This is an ongoing task.

### **PREVIOUS WORK:**

1. Development of PVPC regional PMS database.
2. Collection of roadway condition information for all federal aid eligible roadways in the PVPC region.
3. Collection of roadway condition information to assist in the evaluation of proposed transportation improvement projects.

### **PROPOSED ACTIVITIES:**

1. Collect roadway pavement condition information including but not limited to ride, distress, rutting, and conditions that adversely impact surface friction such as asphalt bleeding and polished aggregate.

2. Collect additional roadway information such as posted speed, shoulder width, functional class, average daily volume, drainage conditions, curb reveal, area zoning, and special route designations.
3. Collect roadway condition information for proposed transportation improvement projects in the region to assist in the regional project evaluation process as well as the update to the RTP.
4. Work towards collecting existing sidewalk surface condition information for selected communities in the region.
5. Continue to maintain the MassHighway Roadway Inventory database for the Pioneer Valley Region.
6. Work with MassHighway to try to update the region's Roadway Inventory database with the aid of the unique roadway segment identifier developed by MassHighway.
7. Conduct quality control checks of inventory data and condition data.
8. Submit findings to MassHighway on a regular basis as requested.

**PRODUCTS:**

1. Pioneer Valley regional PMS Database.
2. Community Pavement Condition Index Maps.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$18,000	10 weeks
MassHighway (20% match)	\$ 4,500	3 weeks
TOTAL	\$22,500	13 weeks

Direct Labor	\$10,321
Indirect Costs	\$12,179

## WORK ELEMENT 3 - REGIONAL TRANSPORTATION PLANNING

This work element provides transportation planning that directly supports the development of projects included in the Regional Transportation Plan (RTP) or the development of RTPs.

### Task 3.1 Regional Transportation Plan Update

#### OBJECTIVE:

Perform an update of the current 2007 Regional Transportation Plan for the Pioneer Valley Metropolitan Planning Organization (RTP) that strives to create and maintain a safe, dependable and environmentally sound transportation system. Work with federal, state and local officials to incorporate appropriate Needs, Strategies and Projects for the Pioneer Valley region while addressing the requirements of anticipated new federal transportation legislation.

#### PREVIOUS WORK:

1. Regional Transportation Plans for the Pioneer Valley MPO – 1993, 1997, 2000, 2003, 2007.

#### PROPOSED ACTIVITIES:

1. Update the status of current short and long range transportation recommendations included as part of the 2007 RTP.
2. Organize a series of outreach efforts such as online surveys and regional focus groups to identify appropriate Needs, Strategies and Projects to be considered for inclusion in the RTP Update.
3. Develop a public participation schedule to present the RTP to the Pioneer Valley Region.
4. Incorporate appropriate regionally significant transportation recommendations from recently completed studies.
5. Update sections of the RTP as appropriate to reflect new requirements resulting from the anticipated new federal transportation legislation.
6. Work with the Office of Transportation Planning to incorporate all non-exempt transportation alternatives into the statewide model.
7. Begin development of the Draft for review by EOT.

#### PRODUCTS:

1. Public Participation/Focus Groups – February/March 2010
2. Detailed Outline – May, 2010.
3. Draft RTP to Office of Transportation Planning – October 30, 2010.
4. Draft RTP for JTC and MPO review – December, 2010.
5. Public Participation – January/February, 2011.
6. Final Draft RTP transmitted to MPO – February, 2011
7. RTP Submission to FHWA and FTA – June, 2011

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 40,000	22 weeks
MassHighway (20% match)	\$ 10,000	5 weeks
FTA S. 5303	\$ 6,250	3 weeks
PVTA S. 5307	\$ 3,125	2 weeks
TOTAL	\$59,375	32 weeks

Direct Labor	\$27,236
Indirect Costs	\$32,139

## **Task 3.2 Transit System Surveys and Route Implementation**

### **OBJECTIVE:**

Conduct surveys of transit customers who use PVRTA fixed route and paratransit services to support PVRTA service planning. These surveys and accompanying analysis are to provide PVRTA with descriptive information about the demographic and market characteristics of the authority's bus and paratransit customers. These surveys also provide PVRTA with essential information about customer satisfaction levels, evolving user needs and key service concerns. These surveys and analysis are vital for optimizing existing services, developing new services and meeting federal compliance requirements.

### **PREVIOUS WORK:**

1. PVRTA Southern Region Onboard Rider Survey (22 routes), December 2008.
2. PVRTA Springfield Main Street Transit and Parking Study, February 2009.
3. PVRTA onboard "Mystery Rider" surveys, January and May 2009.
4. PVRTA vehicle loading survey at UMass Amherst campus, April 2009.
5. PVRTA Paratransit Systemwide Customer Survey, August 2008.

### **PROPOSED ACTIVITIES:**

1. Conduct PVRTA customer and route surveys as efficiently as possible. Continue to develop and implement improved survey and reporting methods.
2. Continue to work closely with PVRTA and its operating companies to refine survey instruments that gather the most useful and relevant customer information for transit service planning.
3. Conduct an onboard bus rider survey of PVRTA's combined northern and eastern service areas.
4. Produce analysis and recommendations of on-board surveys.
5. Continue "Mystery Rider" onboard surveys every three months.
6. Develop and conduct other surveys to support paratransit service planning.

### **PRODUCTS:**

1. PVRTA Northern/Eastern Region Onboard Bus Rider Survey and Report.
2. Technical memoranda as requested.
3. Other survey results, analysis and recommendations as requested.

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 62,500	33 weeks
PVRTA S. 5307	\$ 34,375	18 weeks
FTA S. 5316	<u>\$ 5,000</u>	<u>2 weeks</u>
TOTAL	\$101,875	53 weeks

Direct Labor	\$46,731
Indirect Costs	\$55,144

### **Task 3.3 Easthampton Route 10 Build Out Analysis**

**OBJECTIVE:**

Expand on the work performed as part of the Route 10 Corridor Study – Existing Conditions Analysis conducted as part of the FY 2008 UPWP. Work with the City of Easthampton to assess the anticipated transportation impacts of future growth along the Route 10 corridor. Develop a wide-range of multi-modal conceptual solutions that could be implemented by the City of Easthampton, MassHighway, and/or the PVTA.

**PREVIOUS WORK:**

1. Westfield CBD Traffic Circulation Study
2. Outer Belt Transportation Study
3. Easthampton Route 10 Corridor Study – Existing Conditions

**PROPOSED ACTIVITIES:**

1. Work with the City of Easthampton to develop a public participation process for the Build Out Analysis.
2. Develop a series of build-outs for the Route 10 corridor
3. Identify potential scenarios to study the effects of traffic flow changes along the corridor.
4. Use the regional transportation model to analyze the impact of the proposed Route 10 bridge reconstruction project on existing traffic flow.
5. Develop recommendations to address future congestion and safety concerns.

**PRODUCTS:**

1. Draft Report
2. Final Report

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$18,000	10 weeks
MassHighway (20% match)	<u>\$ 4,500</u>	<u>3 weeks</u>
TOTAL*	\$22,500	13 weeks

Direct Labor	\$10,321
Indirect Costs	\$12,179

### **Task 3.4 Regional Freight Planning**

**OBJECTIVE:**

Work with appropriate public and private partners to develop an effective, analytic, and institutional approach to freight planning. Freight modes covered under this task include rail, air (when applicable), water (when applicable) and pipelines.

**PREVIOUS WORK**

1. Merrick Memorial Neighborhood Study Freight Analysis.
2. Ware E.O. 418 Transportation Component – Rail Freight Analysis
3. Palmer Redevelopment Authority Track Capacity Improvements.

**PROPOSED ACTIVITIES:**

1. Assist freight users and suppliers in seeking public sector support for projects that promote regional economic development. Ongoing task.

2. Continue working with West Springfield officials and CSX representatives on the development of a new truck access road to the CSX yard in West Springfield.
3. Participate in FHWA "Talking Freight" web conferences. As needed.
4. Technical support to local communities to advance improvements to existing railway infrastructure.
5. Work with the Capital Region Council of Governments (CRCOG) to develop a regional conference on freight issues and the importance of freight in the Hartford-Springfield economy.

**PRODUCTS:**

1. Technical reports, memoranda, surveys, computerized databases, GIS and other map products, meetings, workshops, forums, grant applications, project proposals, etc. which are produced in conjunction with the execution of this work task.
2. Agreement with CSX on location of a new truck route to the CSX yard in West Springfield.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$12,000	7 weeks
MassHighway (20% match)	\$ 3,000	2 weeks
<b>TOTAL</b>	<b>\$15,000</b>	<b>9 weeks</b>

Direct Labor	\$ 6,880
Indirect Costs	\$ 8,120

**Task 3.5 Regional Congestion Management Process-Project Development**

**OBJECTIVE:**

To develop and advance Congestion and Safety Studies for locations identified in the Pioneer Valley Congestion Management Process (CMP) for the purpose of increasing safety and maximize the mobility of persons and goods. Congestion and safety studies will be utilized to develop projects to improve locations identified in the CMP and the Regional Transportation Plan.

**PREVIOUS WORK:**

1. CMS Annual Reports for the Pioneer Valley.
2. Route 5 Study – Longmeadow
3. Route 10/202 Traffic Study – Southwick
4. Florence Road Transportation Study – Northampton
5. Granby Master Plan Transportation Component
6. Northampton Street Signalization Study – Holyoke
7. Page Boulevard at Goodwin Street Congestion Study - Springfield

**PROPOSED ACTIVITIES:**

1. Work with communities, the Pioneer Valley Transit Authority (PVRTA), the MassHighway, and other appropriate agencies to utilize regional performance measures to identify and mitigate congested locations through appropriate measures.
2. Solicit public participation in CMP activities.
3. Continue to compare performance measures before and after the completion of transportation improvements to gauge their effectiveness on decreasing congestion. Update the regional listing of congested locations as appropriate based upon changes in travel time data and other regional performance measures.
4. Serve as a member of the Connecticut River Crossing Study Advisory Committee to assist the Massachusetts Highway Department in its efforts to reduce congestion and improve safety at Interstate 91 Interchange 19.

5. Update the annual Congestion Management Process report for the Pioneer Valley MPO.
6. Utilize data from the CMP process to identify the Top 3 Bottlenecks in the Pioneer Valley.
7. Update the regional travel time contours for major roadways in the Pioneer Valley.
8. Continue to work with MassHighway and local communities to develop locations for new park and ride lots for the Pioneer Valley region.

**PRODUCTS:**

1. Monthly status reports to MassHighway as part of the routine invoicing.
2. CMP Annual Report updates to MassHighway
3. Top 3 Bottlenecks in the Pioneer Valley
4. Regional Travel Time Contour Update.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 81,155	45 weeks
MassHighway (20% match)	\$ 20,289	12 weeks
FTA S. 5303	\$ 3,750	2 weeks
PVTA S. 5307	\$ 5,625	3 weeks
<b>TOTAL</b>	<b>\$110,819</b>	<b>62 weeks</b>

Direct Labor	\$50,834
Indirect Costs	\$59,985

**Task 3.6 Regional Pavement Management System - Project Development**

**OBJECTIVE:**

To maintain a regional Pavement Management System on all federal aid eligible roadways and prioritize regional pavement improvement projects. This is an ongoing task.

**PREVIOUS WORK:**

1. Regional PMS report for the Pioneer Valley Region.
2. PMS reports on federal aid eligible roadways for individual communities in the Pioneer Valley region.
3. Existing Pavement Condition work maps on federal aid eligible roadways for all PVPC communities.

**PROPOSED ACTIVITIES:**

1. Continue to assist interested RPAs, communities, and the Pioneer Valley Joint Transportation Committee (JTC) in a demonstration of CarteGraph as the adopted Pavement Management software for the region.
2. Acquire a sidewalk analysis computer program as an added module to CarteGraph.
3. Analysis of existing sidewalk segment conditions for selected communities.
4. Analysis of roadway segment condition data collected under Task 2.6 Regional Pavement Management–Data Collection, including the calculation of Pavement Condition Index ratings and benefit/cost ratio analyses.
5. Assist in the prioritization of pavement projects included as part of the Pioneer Valley TIP.
6. Provide municipalities with condition and analysis information as available.



**PRODUCTS:**

1. Pavement condition work maps on each community's surveyed federal aid eligible roadways.
2. Sidewalk condition work maps.
3. Regional PMS activity report.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$20,000	11 weeks
MassHighway (20% match)	\$ 5,000	3 weeks
TOTAL	\$25,000	14 weeks

Direct Labor	\$11,467
Indirect Costs	\$13,533

**Task 3.7 Connecticut River Walk & Bikeway Coordination**

**OBJECTIVE:**

The Connecticut River Walk and Bikeway is a regional pedestrian and bicycle network which will serve the communities of Agawam, Chicopee, Holyoke, Springfield and West Springfield. PVPC has assisted each of these communities to establish advisory committees to oversee planning, design, construction and management of this project. These groups include the Chicopee Bikeways Advisory Committee, the Holyoke Canalwalk Committee and the Agawam-West Springfield Bikeways Advisory Committee.

The objective of this ongoing task is to coordinate the completion of engineering and construction of all five remaining segments of the Connecticut Riverwalk network, and to provide planning services and technical assistance to each of the community bikeway advisory committees involved in the River. It is anticipated this work will continue over approximately the next three years.

**PREVIOUS WORK:**

1. Completed planning, oversaw engineering and design phases, and assisted in construction phase for the Connecticut River Walk segments in Springfield and Agawam, which have now been constructed and opened for public use. Construction for the Holyoke Canalwalk is underway.
2. Continued to coordinate design/engineering work for Chicopee Riverwalk, Connecticut Riverwalk in Chicopee, West Springfield Riverwalk and Agawam Bikeway Loop.
3. Established and citizen advisory committees and coordinated meetings for each of the above projects.
4. Assisted Chicopee, West Springfield, Agawam and Holyoke in advancing design plans for Riverwalk projects.

**PROPOSED ACTIVITIES:**

1. Coordinate meetings of the Chicopee Bikeways Advisory Committee, Agawam–West Springfield Bikeways Advisory Committee, Springfield River Walk Committee and Holyoke Canalwalk Committee, as needed. Provide meeting notices, materials, minutes and staff support. (*Schedule: ongoing*).
2. Promote the completion of engineering and construction phases on the Riverwalk and Canalwalk segments, by providing intercommunity liaison services and technical assistance to communities in project planning, design and construction issues. (*Schedule: ongoing*).

3. Work to promote a broad public support network for the River Walk, including bicyclists, landowners, businesses, residents. *(Schedule: ongoing)*
4. Assist communities in completing local Riverwalk and Canalwalk project requirements, including securing control of project right-of-way. *(Schedule: ongoing)*.
5. Assist communities in moving to the active management phase of the Connecticut River Walk and Bikeway as segments complete construction and are opened to public use. This includes developing plans for policing, long-term maintenance and increased parking. *(Schedule: ongoing)*.
6. Develop and install directional signs to promote use of the Riverwalk. Identify locations for, and install off-site directional signs to direct the public to Riverwalk segments. *(Schedule: ongoing)*.
7. Create a website, as part of the PVPC website, to promote public use of the Riverwalk by illustrating trail maps, parking locations and destinations on the Riverwalk. *(Schedule: ongoing)*.
8. Work with community officials to develop activities to promote public use of the completed Riverwalk facilities. *Schedule: ongoing)*.
9. Create, and widely use, a Riverwalk PowerPoint presentation, as well as a brochure and map to promote public use of the Riverwalk.

**PRODUCTS:**

1. Bikeways Advisory Committee meetings and activities, as needed.
2. Technical assistance to communities.
3. Riverwalk directional signs.
4. Riverwalk PowerPoint presentation and brochure.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 5,600	3 weeks
MassHighway (20% match)	\$ 1,400	1 week
TOTAL	\$7,000	4 weeks

Direct Labor	\$ 3,211
Indirect Costs	\$ 3,789

**Task 3.8 Regional Safety and Planning Studies**

**OBJECTIVE:**

To encourage and provide wide spread transportation planning services to member communities for establishing a safe and efficient roadway network within the Pioneer Valley Region. To perform planning studies for all transportation modes which are crucial to the regional transportation system or have some history of safety related problems. To recommend short and long term improvements for improving safety throughout the region.

**PREVIOUS WORK:**

1. Dwight Street at Worthington Street Intersection Study – Springfield.
2. Resnic Boulevard at Maple Street Intersection Study – Holyoke
3. Granby Road at McKinstry Avenue and Montgomery Street Intersection Study – Chicopee
4. North Main Street at Wilbraham Street and Shearer Street Intersection Study - Palmer
5. Maple and High Streets Traffic Flow Study – Holyoke.
6. Main Street at Jackson Street Safety Study – Holyoke
7. Top 100 High Crash Intersections Report

**PROPOSED ACTIVITIES:**

1. Utilize the Top 100 High Crash Intersections Report to work with local communities to develop intersection safety studies. PVPC staff will perform an assessment of existing field conditions at each intersection. Local historical crash data and existing traffic volumes will be collected analyze existing conditions. A series of improvement recommendations will be developed in consultation with MassHighway and local officials to improve safety in these areas. Candidate locations for study include:
  - a) The intersection of Route 116 at Route 33 and Lyman Street in the Town of South Hadley.
  - b) Two intersections in the Town of Ludlow as identified by the Ludlow Master Plan Committee.
2. Assist MassHighway and member communities in utilizing the guidelines from Transportation Planner’s Safety Desk Reference and MassHighway’s Safety Toolbox to improve transportation and safety conditions in the region.
3. Review and update as appropriate the 2007 and 2008 MassHighway crash data for the PVPC region.
4. Assist MassHighway in the implementation and update of the Massachusetts Strategic Highway Safety Plan to provide the safest roadway system in the country and promote its safe use. Participate as part of the Strategic Highway Safety Plan Steering Committee. Ongoing task.
5. Perform safety, traffic calming and truck exclusion route studies as requested by member communities. As necessary.

**PRODUCTS:**

1. Intersection Safety Study Reports.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 77,000	43 weeks
MassHighway (20% match)	\$ 19,250	11 weeks
FTA S. 5303	\$ 6,250	3 weeks
PVTA S. 5307	\$ 3,125	2 weeks
<b>TOTAL</b>	<b>\$105,625</b>	<b>59 weeks</b>

Direct Labor	\$48,451
Indirect Costs	\$57,174

**Task 3.9 Intelligent Transportation Systems (ITS) - Strategic Planning**

**OBJECTIVE:**

To promote and advance the implementation of the Intelligent Transportation System Strategic Deployment Plan for the Pioneer Valley.

**PREVIOUS WORK**

1. ITS Strategic Deployment Plan for Metropolitan Springfield and Pioneer Valley Region.
2. Western Massachusetts ITS Architecture Steering Committee.
3. I-91 Corridor ITS Steering Committee.
4. PVTA ITS System Architecture and Deployment Plan.
5. PVTA Integrated Transit Management System Functional Specifications.

6. RTIC Steering Committee.

**PROPOSED ACTIVITIES:**

1. Assist in the advancement of the design/build construction project to install fiber optic communications and ITS infrastructure along the I-91 corridor. As needed.
2. Work with communities to incorporate the FHWA ITS National Architecture into future improvement projects. Ongoing task.
3. Serve as a member of the Steering Committee for the Regional Traffic Information Center (RTIC). Work with RTIC to expand their number of camera locations and promote the use of ITS technology at the local level.
4. Certify TIP project compliance with the Western Massachusetts Regional Architecture. Ongoing task as needed.
5. Assist the PVTA in implementation of their ITS Deployment Plan, data collection and management for ITS related products, and in the preparation of FTAs ITS System Engineering Review Form for all federally funded projects.
6. Assist EOT and PVTA in the update of the Western Massachusetts ITS Regional Architecture. As necessary
7. Work with EOT, MassHighway, and RTIC to promote the use of the event reporting system to the cities and towns in the PVPC region.

**PRODUCTS:**

1. Recommendations and comments as necessary as part of Steering Committee activities.
2. Technical Memoranda and reports as appropriate.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$18,000	10 weeks
MassHighway (20% match)	\$ 4,500	2 weeks
PVTA S. 5307	\$15,000	8 weeks
TOTAL	\$37,500	20 weeks

Direct Labor	\$17,201
Indirect Costs	\$20,299

**Task 3.10 Project Development Process Primer**

**OBJECTIVE:**

Continue efforts from the FY2008 and FY2009 UPWP to develop a short, accurate description of the project development process to advise locally elected officials on how a project advances through the planning process to design and into construction.

**PREVIOUS WORK:**

1. PVPC "REGION" local cable access show.
2. "Rack N Roll" instructional video.
3. Bike Rack installation video.

**PROPOSED ACTIVITIES:**

1. Work with the Pioneer Valley MPO to develop a primer for local communities to provide information on how to properly advance transportation needs into viable transportation improvement projects.

2. Develop a short presentation (DVD format, web video) that could be used as a community resource to educate locally elected officials and the general public on the project development process.

**PRODUCTS:**

1. DVD / Web Video.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$6,000	3 weeks
MassHighway (20% match)	\$1,500	1 week
TOTAL	\$7,500	4 weeks

Direct Labor	\$ 3,440
Indirect Costs	\$ 4,060

**Task 3.11 Climate Change Implementation Plan**

**OBJECTIVE:**

To respond to the urgency of climate change by reducing greenhouse gas emissions from transportation via a variety of means and also assist Pioneer Valley communities to plan for the reality of climate change.

**PREVIOUS WORK:**

1. This task will build on previous work done in PVPC's development of the Regional Transportation Plan, Valley Vision 2 - the Regional Land Use Plan, and the Clean Energy Plan.

**PROPOSED ACTIVITIES:**

1. Provide technical assistance to a select number of our communities to help them meet the criteria to be designated a "Green Community". This will make the community eligible for RGGI funding, anticipated to be \$10 million annually.
2. Initiate development of a GHG Reduction Toolkit for Municipalities, which includes information and model bylaws for specific local and regional actions to reduce GHG emissions. The toolkit will help to implement ICLEI Agreements, the state's *Climate Change Action Plan*, the Mayor's Conference Climate Change Protection Agreement, and the Regional Greenhouse Gas Initiative (RGGI).
3. Coordinate regional activities for the 350 campaign to reduce greenhouse gas emissions to 350 parts per million.

**PRODUCTS:**

1. A number of Pioneer Valley communities will meet the Massachusetts designation as a "Green Community" thereby becoming eligible to apply for a portion of the estimated \$10 million available annually through the proceeds of the Regional Greenhouse Gas Initiative (RGGI). Products. Products from this task will include GHG emissions and energy consumption summaries for selected communities, by right permitting for clean energy research and development, or manufacturing, or generation; expedited permitting for targeted areas, local policies to purchase only fuel efficient vehicles and adoption of the BBRS approved "stretch code."
2. Identification of local and regional GHG reduction strategies applicable to the Pioneer Valley region, leading to a GHG Reduction Toolkit for Municipalities.
3. At least two grant proposals on behalf of our communities that meet the Green Communities designation for local projects.
4. Create and maintain web-page, [www.pv350.org](http://www.pv350.org) as a calendar and place for organizations, institutions and individuals to post their

planned activities to raise awareness about the need to move to 350 ppm to address the global climate crisis.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$12,800	7 weeks
MassHighway (20% match)	\$ 3,200	2 weeks
TOTAL	\$16,000	9 weeks

Direct Labor	\$ 7,339
Indirect Costs	\$ 8,661

### **Task 3.12 Manhan Rail Trail User Survey**

#### **OBJECTIVE:**

Perform a survey of all users of the Manhan Rail Trail and develop recommendations to improve the facility as appropriate to enhance future connections and improve the overall user experience. This task was postponed due to the replacement of a culvert on the Manhan Rail Trail. It is anticipated that the survey could take place as early as September, 2009.

#### **PREVIOUS WORK:**

1. 2002 Norwottuck Rail Trail User Survey.
2. 2002 Norwottuck Rail Trail Parking Survey.

#### **PROPOSED ACTIVITIES:**

1. Develop a survey questionnaire to collect information such as trip origin, trip destination, mode of travel to trail, trip purpose and frequency of use. – **Task Complete.**
2. Conduct a survey of users at various stations along the trail. Data will be collected on a weekday and Saturday.
3. Develop appropriate handouts to be distributed during the survey such as an updated map of the bike trail or trail brochure.
4. .Compile all data into a summary report.

#### **PRODUCTS:**

1. User Questionnaire.
2. Survey Handouts.
3. Summary Report.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$4,000	2 weeks
MassHighway (20% match)	\$1,000	1 week
TOTAL	\$5,000	3 weeks

Direct Labor	\$ 2,293
Indirect Costs	\$ 2,707

### **Task 3.13 Downtown Ware Main Street Signalization Study**

#### **OBJECTIVE:**

To study the feasibility of implementing a coordinated traffic signal system along Route 9/32 (East Main Street) in the downtown area of the Town of Ware. The focal point of the study will be East Main Street between West Street and South Street.

#### **PREVIOUS WORK:**

1. Route 5 Study – Longmeadow

2. Northampton Street Signalization Study – Holyoke

**PROPOSED ACTIVITIES:**

1. Perform peak hour turning movement counts at each of the study area intersections. Collect crash history data from the Ware Police Department.
2. Review and verify existing traffic signal timing and phasing information.
3. Analyze existing intersection operations using Synchro.
4. Perform a traffic signal warrants analysis for the intersection of Route 9 (West Main Street) with Route 32 (West Street) and Route 9/32 (East Main Street).
5. Work with the Town of Ware to develop and analyze traffic signal coordination and traffic flow scenarios for the study area.

**PRODUCTS:**

1. Draft Report.
2. Final Report.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$16,000	9 weeks
MassHighway (20% match)	\$ 4,000	2 weeks
TOTAL*	\$20,000	11 weeks

Direct Labor	\$ 9,174
Indirect Costs	\$10,826

## **WORK ELEMENT 4 - ONGOING TRANSPORTATION PLANNING**

This element outlines specific activities to be conducted in support of Transportation Planning tasks described in other UPWP elements.

### ***Task 4.1 Regional Transit Planning***

#### **OBJECTIVE:**

To provide comprehensive planning services to the Pioneer Valley Transit Authority (PVTA) and its member municipalities for fixed route transit services and facilities. This includes planning studies and technical assistance for routes and facilities planning; assistance with organizational, management and regulatory compliance activities; and support for transit market and operational analyses to continue improving the efficiency of fixed route services. This task also includes the ongoing identification and updating of unmet transit needs in the region consistent with SAFETEA-LU requirements. Throughout, the services provided under this task will integrate transit planning with the broader transportation, land use, community development and sustainable planning activities in the region where ever possible.

#### **PREVIOUS WORK:**

1. General support to PVTA for fixed route and paratransit services and facilities planning.
2. Support of PVTA ITS system implementation.
3. Production of PVTA fixed route schedules and related signage.
4. PVTA System Map.
5. Assistance with the review and refinement of PVTA tripper services.
6. PVTA fare increase impact analysis.
7. Production of annual PVTA system field guide.
8. Westfield intermodal transportation center assessment and development.
9. Coordinated Public Transit Human Services Transportation Plan, February 2008.

#### **PROPOSED ACTIVITIES:**

1. Review and analysis of PVTA routes and facilities to identify opportunities for improved operations, including evaluation of route costs, service levels, and performance; review of compliance with environmental, Title VI and other regulatory requirements; monitoring and evaluating the quality of transit service.
2. Review and analysis of land use and community development issues related to existing and future transit services and facilities, including the identification of trip generators, relevant demographic trends, environmental regulations and other factors.
3. Integration of intermodal transportation opportunities in all aspects of transit planning, including facilities and improvements to enhance access to transit for bicyclists, pedestrians, park-and-ride users, intercity bus and rail travelers, air travelers and others.
4. Review and analysis of potential transit service changes that may be requested by the PVTA, its member municipalities, and by municipalities in the region that are not served by PVTA.
5. Support of PVTA systemwide analysis of operations, customer markets, non-rider input and stakeholder concerns.
6. Facilitation of, and direct participation in, PVTA public participation activities, such as meetings, media outreach, liaison with community-based organizations and responding to community leaders.



7. Development and utilization of graphic information systems (GIS), global positioning systems (GPS), and other electronic data systems to support PVTA route and facilities planning, scheduling and customer information systems. This activity includes procuring, adapting and/or developing necessary software; utilizing web-based delivery and information serving technologies; and applying these technologies and services to specific PVTA projects for analysis and public outreach.
8. Perform revisions and updates PVTA's fixed route schedules on an ongoing basis. The two primary efforts associated with this activity are the updating and publishing of PVTA's fixed route schedules for Summer and Fall each year. This activity will also include development of automated schedule publishing capabilities and web-based schedule information services to improve the quality of, and access to, schedule products.
9. Continue to advance efforts to install bicycle racks on buses in PVTA's southern service region.
10. Assist in the development of intermodal transportation centers (ITCs), including the Holyoke ITC, Westfield ITC and the Springfield Union Station redevelopment project. Assist PVTA and its fixed route operators in developing and evaluating routes and options to service these ITCs.
11. Coordinate regional transit planning activities with those of the PVTA, Franklin Regional Transit Authority, Connecticut Department of Transportation and the Capital Regional Council of Governments for inter-regional transit services.

**PRODUCTS:**

1. Studies, reports, presentations and technical memoranda provided to PVTA, its member communities and government agencies.
2. Printed schedules for PVTA routes, as well as, placards, maps, and other printed informational materials, for transit customers (annual updates).
3. Digital data and web-based information services to support schedule production and updates.
4. Field observations and technical assistance to support the development, evaluation and implementation of new fixed routes, facilities and services.

Source	Budget	Est. Staff Effort
FTA S. 5303	\$113,109	60 weeks
PVTA S. 5307	\$ 85,625	46 weeks
FTA S. 5316	\$ 10,743	6 weeks
FTA New Freedom	<u>\$ 7,827</u>	<u>4 weeks</u>
TOTAL	\$217,304	116 weeks

Direct Labor	\$ 99,680
Indirect Costs	\$117,624

**Task 4.2 Paratransit Planning Assistance**

**OBJECTIVE:**

To fulfill the planning and programming requirements of USDOT Section 504 regulations and other planning requirements under the Americans with Disabilities Act. This task includes planning for the delivery of on-demand transportation services for senior citizens and disabled residents of the region by providing direct technical assistance to the PVTA, as well as communities, human service agencies, private sector entities and

other parties involved in providing these special transportation needs in the MPO region.

**PREVIOUS WORK:**

1. Annual coordination and technical assistance to organizations seeking capital grants under FTA Section 5311 and the State Mobility Assistance Program.
2. Support of PVTA's development of a mobility management program
3. Production of a printed directory and searchable electronic database to assist PVTA in determining eligibility for paratransit customer service.
4. Southwick Paratransit Study, October 2008.
5. FY 2008 Paratransit Survey, August 2008

**PROPOSED ACTIVITIES:**

1. Continue assisting PVTA with planning for actions needed to comply with regulations of the Americans with Disabilities Act (ADA), including evaluation of operating policies, facilitating an ongoing public participation program, and analyzing operations.
2. Provide technical and administrative support to the MPO's Joint Transportation Committee (JTC) on mobility issues and concerns of the region's elderly and disabled residents.
3. Provide guidance to applicants for Section 5311 and State Mobility Assistance Program awards concerning program requirements and service coordination options.
4. Provide assistance and support to PVTA in the implementation of paratransit scheduling and information software systems.

**PRODUCTS:**

1. Technical memoranda, reports and presentations related to special transportation services.
2. Technical assistance to applicants for FTA Section 16(b)(2) and State Mobility Assistance Awards.
3. Digital data requested for paratransit scheduling and information software systems.

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 6,250	3 weeks
PVTA S. 5307	\$ 6,250	3 weeks
FTA New Freedom	\$ 2,500	2 weeks
TOTAL	\$15,000	8 weeks

Direct Labor	\$ 6,880
Indirect Costs	\$ 8,120

**Task 4.3 Implementing the Regional Land Use Plan**

**OBJECTIVE:**

The objective of this task is to work with local communities to implement the new "Valley Vision 2, the Regional Land Use Plan for the Pioneer Valley" region. Valley Vision promotes compact, efficient urban growth centered around existing urban and town centers, served by existing transportation and other public infrastructure and services; discourages urban sprawl, inefficient land use, and development in environmentally sensitive areas; helps the region meet air quality goals by reducing auto trips and promoting use of transportation alternatives, such as transit, walking, biking and car-pooling.

**PREVIOUS WORK:**

1. Completed Valley Vision 2, the new Regional Land Use Plan for the Pioneer Valley.
2. Completed the Valley Vision Toolbox of strategies for smart growth.
3. Created the Valley Development Council to oversee the development of Valley Vision and to help implement its recommendations.
4. Technical assistance to implement smart growth strategies in Hadley, Easthampton, Westfield, Palmer, Chesterfield, Amherst, and other communities.

**PROPOSED ACTIVITIES:**

1. Continue to provide staff support to the Valley Development Council, which provides input from community officials and the development community in implementing Valley Vision 2. Coordinate ongoing VDC activities, including a design competition for smart growth re-use of a town center site.
2. Create enhanced public education materials for Planning Boards and public officials, such as PowerPoint presentations and fact sheets, to increase public awareness of the problems of urban sprawl and what individuals and communities can do about it.
3. Update the "Valley Vision Toolbox" of smart growth strategies, including adding new cutting edge smart growth tools, and updating community checklists of smart growth tools adopted and needed.
4. Continue to work on pilot projects to implement "smart growth" strategies from Valley Vision with communities. Work with communities to obtain commitments to work toward implementing pilot projects in the following key areas: commercial development standards; traditional neighborhood developments; mixed use village centers; cluster or creative development bylaws; transfer of development rights bylaws; inclusionary housing bylaws; local strategies to address global climate change and reduce greenhouse gas emissions.
5. Provide continued, targeted technical assistance to communities across the Pioneer Valley on an as-needed basis to implement the above pilot projects for Valley Vision strategies. These strategies may include new local zoning bylaws and land use regulations, and policies on infrastructure improvements/extensions.

**PRODUCTS:**

1. Coordination of quarterly meetings of the Valley Development Council.
2. Updated Valley Vision Toolbox.
3. Design Ideas Competition for smart growth development.
4. Planning Board tools for public outreach and education on urban sprawl.
5. Summary of assistance provided to communities to implement strategies from Valley Vision.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$24,800	12 weeks
MassHighway (20% match)	\$ 6,200	3 weeks
TOTAL	\$31,000	15 weeks

Direct Labor	\$14,220
Indirect Costs	\$16,780

## **Task 4.4 Regional Bicycle and Pedestrian Planning**

### **OBJECTIVE:**

To assure safe passage for bicyclists and pedestrians throughout the Pioneer Valley Region. Assist area communities, state agencies and local residents in the development of bicycle and pedestrian facilities, policies and programs that support these activities. To implement the goals and objectives of the PVPC Regional Bicycle and Pedestrian Plan.

### **PREVIOUS WORK:**

1. Review and research opportunities for the installation and management of bike sharing stations in the Pioneer Valley Region.
2. Pioneer Valley Bike Commute Week – 1996 – 2009.
3. Revised and update the Pioneer Valley bike map.
4. Bike-ped subcommittee to the Joint Transportation Committee.
5. Assisted in the coordination for the Massachusetts Statewide Bicycle and Pedestrian Conference.
6. Facilitate Safe Route to School initiatives in Northampton.
7. Facilitate update of regional Bike/Ped plan.
8. Bicycle Level of Service Model for local communities.
9. Developed a bikepath feasibility study for the Town of Palmer.
10. Update on research into the effectiveness of root barriers for bikepaths.

### **PROPOSED ACTIVITIES:**

1. PVPC will actively participate in the Massachusetts Statewide Bicycle Advisory Board and Statewide Bicycle and Pedestrian Conference.
2. Provide technical assistance to area communities to develop and/or implement programs to improve conditions for pedestrians and bicyclists.
3. Continue efforts to incorporate the goals of the 2010 Active Transportation Network into ongoing planning efforts for Hampshire, Hampden and Franklin County.
4. Facilitate the 15<sup>th</sup> annual Pioneer Valley Bike Commute Week in collaboration with MassBike and area communities.
5. Facilitate local efforts to implement traffic calming in areas of high pedestrian traffic.
6. PVPC staff will review highway projects that significantly impact bicycle and pedestrian modes of travel.
7. Continue support for the activities of the Joint Transportation Committee's Bicycle and Pedestrian subcommittee.
8. Norwottuck Rail Trail resurfacing/reconstruction project coordination. PVPC staff will work with the Massachusetts Department of Conservation and Recreation, The Norwottuck Rail Trail Advisory Committee and the MassBike Pioneer Valley Chapter to coordinate efforts the facilitate the improvements to the Norwottuck Rail Trail.
9. Provide updates and revisions where needed to the web based Pioneer Valley Regional Bicycle and Pedestrian plan.
10. Staff will assist the City of Holyoke Food and Fitness Policy Project with their Complete Streets Initiative.

### **PRODUCTS:**

1. JTC Bicycle Advisory Committee meeting minutes and notices.
2. Norwottuck Rail Trail Advisory Committee meetings.
3. Status reports on Regional Bicycle and Pedestrian Plan efforts.
4. 15<sup>th</sup> annual Pioneer Valley Bike Commute Week.

5. Web based revisions to facility inventory and updated to the Pioneer Valley regional bike/ped plan.
6. Complete streets policy for the city of Holyoke.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$39,500	22 weeks
MassHighway (20% match)	<u>\$ 9,875</u>	<u>5 weeks</u>
TOTAL	\$49,375	27 weeks

Direct Labor	\$22,649
Indirect Costs	\$26,726

#### **Task 4.5 Local Technical Assistance**

##### **OBJECTIVE:**

To provide technical resources and support for member communities and organizations by responding to specific requests in a timely and cost effective manner. To review transportation related impact reports, traffic studies, and environmental notification forms. Assist with state and regional pedestrian, car-sharing, and other alternative transportation initiatives to reduce vehicle miles traveled and improve air quality in the region. To educate planners, public works professionals and business leaders in sustainable development. This is an ongoing task.

##### **PREVIOUS WORK:**

1. Zanetti School Study – Springfield.
2. Data collection activities at the request of local communities.
3. Reviews of all MEPA documents filed in the Pioneer Valley Region.
4. Model sidewalk ordinances.
5. West Springfield Traffic and Safety Committee.
6. Montgomery Truck Exclusion counts and analysis.

##### **PROPOSED ACTIVITIES:**

1. Provide Local Technical Assistance (LTA) to communities on an as requested basis. Each community will be limited to three requests per year. Typical activities may include data collection, operational analysis, small signal coordination studies, and safety studies.
2. Review and comment on all Environmental Notification Forms and Environmental Impact Reports as part of the MEPA process. Attend project scoping sessions for significant projects in the region as part of the MEPA process. Review all documents prepared under federal environmental laws and regulations.
3. Application of the latest versions of transportation software programs to perform analysis and test recommendations.
4. Present findings to communities through documentation and oral presentation as required.
5. Assist communities in implementing past corridor study recommendations.
6. Work with PVRTA and member communities to assure understanding of transit options in the region.
7. Provide local technical assistance to the city of Holyoke on their Food and Fitness Policy project to “Complete their Streets”; assure comprehensive sidewalk and bicycle infrastructure inventory for the city

**PRODUCTS:**

1. Reports documenting the findings and recommendations of all LTAs.
2. Recommendations and comments as appropriate for the review of MEPA documents.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$29,200	16 weeks
MassHighway (20% match)	\$ 7,300	4 weeks
TOTAL	\$36,500	20 weeks

Direct Labor	\$16,743
Indirect Costs	\$19,757

**Task 4.6 Local Pavement Management Program**

**OBJECTIVE:**

To provide pavement management services to member communities on a contract basis.

**PREVIOUS WORK:**

1. Local Pavement Management Study for Belchertown.
2. Local Pavement Management Study for Southwick.
3. Local Pavement Management Study for Wilbraham.
4. Pavement Management data collection training.
5. Local Pavement Management Study for Goshen.
6. Local Pavement Management Study for Hadley.
7. Local Pavement Management Update Study for the City of Agawam.

**PROPOSED ACTIVITIES:**

1. Complete the local pavement management study for the Town of Longmeadow.
2. Complete the local pavement management study for the Town of West Springfield.
3. Identify additional rural, suburban, and urban communities interested in conducting pavement management programs.
4. Meet with elected officials, highway superintendents, and/or public works directors from the selected communities to explain the program and to coordinate activities.
5. Conduct training sessions for interested local highway department personnel on the pavement management process and educate them in identification of pavement distresses and data recording techniques as well as the newly adopted pavement management software.
6. Provide selected communities with a pavement condition map of all surveyed roadway segments.
7. Provide follow-up technical assistance to communities with pavement management programs already in place.
8. Collect GPS coordinate information for new roadways to assist in Mapping.

**PRODUCTS:**

1. New Municipal Pavement Management Systems.
2. Pavement Management Program report for the Town of Longmeadow.
3. Pavement Management Program report for the Town of West Springfield.
4. Updates for existing municipal pavement management plans, as requested.

Source	Budget	Est. Staff Effort
Local Funds	\$11,600	6 weeks
TOTAL	\$11,600	6 weeks

Direct Labor	\$5,321
Indirect Costs	\$6,279

**Task 4.7 Jacob's Ladder Trail Scenic Byway Project**

**OBJECTIVE:**

Continue the implement of Phase X to update the original Jacob's Ladder Trail Scenic Byway Study (now 15 years old) to assess the effectiveness of the scenic byway and advance any outstanding recommendations from the first study.

**PREVIOUS WORK:**

1. Phase I of Jacob's Ladder Trail Scenic Byway Project (Russell, Huntington, Chester, Becket, Lee), 1992-93.
2. Phase II of Jacob's Ladder Trail Scenic Byway Project (Russell, Huntington, Chester, Becket, Lee), 1993-94.
3. Phase III of Jacob's Ladder Trail Scenic Byway Project (Russell, Huntington, Chester, Becket, Lee), 1994-95.
4. Phase IV and V of Jacob's Ladder Trail Scenic Byway Project (Russell, Huntington, Chester, Becket, Lee), 1995-99.
5. Phase VI of Jacob's Ladder Trail Scenic Byway Project (Russell, Huntington, Chester, Becket, Lee), 1995-2004 created a mobile transportation history exhibit and illustrated brochure of the exhibit. Purchased a scenic easement at the JLT Summit Cairn, installed an interpretive sign and landscaped the cairn area.
6. Phase VII of Jacob's Ladder Trail Scenic Byway Project (Chester), 2002-2003 designed and constructed an accessible trail in Boulder Park of Chester-Blandford State Forest..
7. Phase VI of Jacob's Ladder Trail Scenic Byway Project (Huntington), 2003, purchased scenic open space on Scenic Byway in Huntington with deed restrictions to protect land, historic site and views along the Scenic Byway.
8. Phase VIII of Jacob's Ladder Trail Scenic Byway Project (Russell, Huntington, Chester, Becket, Lee) 2004-2005 planned and constructed a parking area in state-owned turnout to accommodate vehicles for hikers on the Appalachian Trail from the Byway; consultant produced a marketing plan for Scenic Byway as a tourist destination.
9. Phase IX of Jacob's Ladder Trail Scenic Byway Project (Russell, Huntington, Chester, Becket, Lee), 2004-2005 planned restoration and improvements to Hampden Park in Chester; constructed spur trail and improved trailhead at Appalachian Trail in Lee and Becket; prepared a press kit for Scenic Byway.

**PROPOSED ACTIVITIES:**

The following activities began during FY 2007 and are expected to be completed in early FY 2010.

1. Corridor Management Project II.
  - a) Consultant will assess current corridor management plan and prepare a revised ten-year plan.
  - b) Consultant will participate in implementation of current projects to evaluate organizational structure and will make recommendations for structural changes and their achievement.
  - c) The PVPC and the Berkshire Regional Planning Commission will develop a GIS database on economy, recreation, and tourism development for their respective communities.
  - d) The PVPC will prepare a new corridor management plan for distribution.

**PRODUCTS:**

1. Revised Corridor Management Plan and improved organization structure.

Source	Budget	Est. Staff Effort
FHWA Scenic Byway	\$159,200	85 weeks
MassHighway Match	\$ 39,800	21 weeks
TOTAL	\$199,000	106 weeks

Direct Labor	\$ 59,174
Indirect Costs	\$ 69,826
Consultant Cost	\$ 70,000

**Task 4.8 Connecticut River Scenic Farm Byway Project**

**OBJECTIVE:**

The Connecticut River Scenic Farm Byway was recently designated a state scenic byway by an act of the state legislature, and is the newest scenic byway in Massachusetts. The scenic byway runs along the Connecticut River on Routes 47 and 63 in South Hadley, Hadley, Sunderland, Montague, and Northfield. PVPC and FRCOG have assisted these communities in completing a Byway Plan, which identifies projects and strategies. The objective of this task is to work with the Byway Area Committee to prioritize projects for the byway, and to provide planning services and technical assistance to each of the communities involved the Scenic Byway. This is year 3 of this task.

**PREVIOUS WORK**

1. Completed, with FRCOG, a comprehensive scenic byway plan for the Connecticut River Scenic Farm Byway on Routes 47 and 63 in South Hadley, Hadley, Sunderland, Montague, and Northfield.
2. Re-established the Scenic Byway Area Committee in Hampshire County, with representatives from Hadley and South Hadley.
3. Developed priority projects for Scenic Byway funding and prepared applications for funding.
4. Secured funding for purchase of scenic easements along the corridor.

**PROPOSED ACTIVITIES:**



1. Coordinate meetings of the Byway Area Committee for the Connecticut River Scenic Farm Byway. Provide meeting notices, materials, minutes and staff support.
2. Work with Byway Area Committee and community representatives to continue to develop and prioritize scenic byway implementation projects, such as land protection, acquisition of scenic easements, signage, scenic overlooks, and similar projects.
3. Provide technical assistance to communities in byway project development, including identification of funding sources.
4. Prioritize lands for protection along the Connecticut River Scenic Byway.
5. Develop, and secure approval for, an intergovernmental compact for land protection along the Connecticut River Scenic Byway, between and among Hadley, South Hadley, MHD, DCR, DOA, Kestrel Trust and The Trustees of Reservations.
6. Work with project partners and property owners to identify willing sellers of priority properties for protection, and to advance land protection efforts.
7. Implement National Scenic Byway designation for the Connecticut River Byway.

**PRODUCTS:**

1. Byway Area Committee meetings and activities, as needed;
2. Implement National Scenic Byway designation.
3. Prioritized listing of proposed scenic byway land parcels for protection;
4. Technical assistance to communities in securing scenic byway implementation funding.
5. Approved intergovernmental compact for land protection along the Connecticut River Byway.
6. Completed implementation projects for Byway plan.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$5,600	3 weeks
MassHighway (20% match)	\$1,400	1 week
TOTAL	\$7,000	4 weeks

Direct Labor	\$3,211
Indirect Costs	\$3,789

***Task 4.9 Merrick/Memorial Neighborhood Plan – Implementation***

**OBJECTIVE:**

This task expands upon the efforts of Phase I of the Merrick/Memorial Neighborhood Plan. PVPC staff will assist The Town of West Springfield in the implementation of the preferred recommendations of Phase I. The services of a private consultant may also be obtained using the remaining TCSP funding for this element of the project. The PVPC will work in conjunction with the Town of West Springfield to complete this task. This task is tied to the advancement of the redesign of the Union Street railroad overpass.

**PREVIOUS WORK:**

1. Existing land use inventory
2. Business Survey and Market Study
3. Existing Transportation Conditions Study.
4. Regional Freight Study.
5. Merrick/Memorial Plan – Phase I

6. Proposed Sign and Parking Plan

**PROPOSED ACTIVITIES:**

1. Administer the Transportation and Community System preservation Pilot Program (TCSP) funding to redevelop the existing Brownfield sites and promote sustainable development in this area. Ongoing task.
2. Provide assistance to MassHighway and the Town of West Springfield during the consultation selection and design process of the Union Street CSX railroad underpass. Ongoing task.
3. Continue efforts to advance conceptual improvements to develop a truck route to Route 5 via Agawam Avenue/M Street. Pending task. Requires completion of the design of the new Union Street CSX railroad underpass.

**PRODUCTS:**

1. Data collection and analysis as appropriate.
2. Design of key components, as appropriate.

Source	Budget	Est. Staff Effort
FHWA – TCSP	\$175,000	93 weeks
TOTAL	\$175,000	93 weeks

Direct Labor	\$ 25,229
Indirect Costs	\$ 29,771
Direct Costs	\$120,000

**Task 4.10 Route 112 Scenic Byway Corridor Project**

**OBJECTIVE:**

The purpose of the Route 112 Scenic Byway Corridor Project is to recognize, interpret, preserve and promote the unique scenic, cultural, archeological, natural and recreational resources of Route 112 in Hampshire and Franklin Counties through the development of a corridor management plan and accompanying public participation process. This project will be a joint venture between the PVPC and the Franklin Regional Council of Governments (FRCOG). All Phase I activities have been completed and Phase II activities are expected to be completed by December of 2009.

**PREVIOUS WORK:**

1. Developed a Route 112 Regional Byway Advisory Committee.
2. Coordinated policies and work products with FRCOG through inter-agency meetings.
3. Conducted technical evaluation of the transportation components of the Route 112 corridor. Evaluated and mapped traffic operations and data to identify recommendations to improve and enhance the serviceability and safety of the corridor.
4. Assessed and mapped scenic data collected during the inventory process to establish priorities for management strategies, resource and view protection strategies.
5. Identified and mapped sites along the corridor that provide agricultural, heritage and recreational tourism attractions and support services. Produced working paper on cultural resources and tourist services.
6. Inventory of scenic, natural, historic, and recreational resources and working papers developed.

7. Performed an assessment of recreational links along the corridor.

**PROPOSED ACTIVITIES:**

1. Continue to work with the Regional Byway Advisory Committee.
2. Continue to coordinate policies and work products with FRCOG through inter-agency meetings.
3. Define marketing program to promote agricultural, heritage and recreational tourism resources, including development of web site or brochure.
4. Evaluate existing land use regulations and resource protection measures along the corridor. Develop “model” planning tools to improve existing measures for each community.
5. Develop implementation strategies and preliminary cost estimates for recommendations of the Regional Corridor Management Plan.
6. Convene an interregional meeting on the corridor management plan.

**PRODUCTS:**

1. Regional Byway Maps and working papers.
2. Regional Corridor Management Plan.
3. Route 112 Scenic Byway Corridor Management Plan.

Source	Budget	Est. Staff Effort
Phase II - FHWA Scenic Byway	\$ 38,500	22 weeks
TOTAL	\$38,500	22 weeks

Direct Labor	\$16,146
Indirect Costs	\$19,053
Direct Costs	\$ 3,301

**Task 4.11 Pioneer Valley Trails Map**

**OBJECTIVE:**

To encourage the use of alternative (non-automobile) modes of transportation by providing the public with a high quality map of bicycle, walking and hiking trails across the Pioneer Valley region.

**PREVIOUS WORK:**

1. Regional Biking Map
2. Initiated inventory of regional trails and collection of mapped data.

**PROPOSED ACTIVITIES:**

1. Complete work on an inventory of all bicycle, walking and hiking trails in the 43 communities of the Pioneer Valley region.
2. For all trails not currently or accurately mapped, seek to create accurate maps, using aerial photos and GPS technology.
3. Develop a GIS-based map of all trails.
4. Develop a map narrative that encourages the public to use alternative modes of transportation, with descriptions and photographs of the regional trails, to promote public use.
5. Prepare a final map, print and distribute the map product.
6. Develop a website, linked with the PVPC website, to provide access to the regional trails map and detailed hiking trail data.

**PRODUCTS:**

1. Pioneer Valley Trails Map

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$6,400	3 weeks
MassHighway (20% match)	<u>\$1,600</u>	<u>1 week</u>
TOTAL	\$8,000	4 weeks

Direct Labor	\$ 3,669
Indirect Costs	\$ 4,331
Direct Costs	\$ 2,000

## ESTIMATED COMPLETION SCHEDULE OF PLANNING ACTIVITIES

<b>Task</b>	<b>Product</b>	<b>Anticipated Completion</b>
1.2	FY2011 UPWP	June 2010
1.4	FY2011 - 2014 TIP	June 2010
1.6	Environmental Justice Planning	Ongoing
2.1	Regional Traffic Counts	Ongoing
2.2	Regional Travel Demand Modeling	Ongoing
2.3	GIS, Mapping, and Graphics	Ongoing
2.4	Information Center Reports	Ongoing
2.4	Maintenance of Socio-economic Data	Ongoing
2.4	Update Information Center Website	Winter 2010
2.4	Updated Regionwide Data Indicators	February 2010
2.4	Urban Centers Report	Winter 2009
2.5	CMP Data Collection	Ongoing
2.6	PMS Data Collection	Ongoing
3.1	RTP Update	June 2011
3.2	Transit Route Surveys	Ongoing
3.3	Easthampton Route 10 Build Out Analysis	June 2010
3.4	Regional Freight Planning	Ongoing
3.5	Travel Time Contours	Summer 2010
3.5	CMP Annual Report	September 2010
3.5	Top 3 Bottlenecks	Summer 2010
3.5	Development of New Park and Ride Lots	Ongoing
3.6	PMS Project Development	Ongoing
3.7	CT Riverwalk Sign Development	Winter 2009
3.7	Riverwalk Brochure	Summer 2010
3.8	South Hadley Safety Study	April 2010
3.8	Ludlow Safety Studies	January 2010
3.8	Crash Data Updates	Ongoing
3.9	Western Mass ITS Architecture Updates	Ongoing
3.9	Regional Event Reporting System	Ongoing
3.10	Project Development Process Primer	December 2009
3.11	Climate Change Implementation Plan	Fall 2010
3.12	Manhan Rail Trail User Survey	November 2009
3.13	Ware Main Street Signalization Study	Summer 2010
4.1	Route Ridership Studies	Ongoing
4.1	PVTA Schedule Updates	Summer 2010 and Fall 2010
4.2	Paratransit Planning	Ongoing
4.3	Smart Growth Community Bylaws	Ongoing
4.4	Status Reports on Regional Bike/Ped Efforts	June 2010
4.4	Bike Commute Week	May 2010
4.4	Web based revisions to facility inventory	September 2010
4.4	Holyoke Complete Streets Policy	July 2010
4.5	Local Technical Assistance	Ongoing
4.6	Longmeadow Pavement Management Report	Fall/Winter 2009
4.6	West Springfield Pavement Management Report	Spring 2010
4.7	Jacob's Ladder Trail II Report	December 2009
4.10	Route 112 Scenic Byway Study	December 2009
4.11	Regional Trail Map	September 2010

## **ADDITIONAL PLANNING PROJECTS**

This section outlines activities for which funding has not yet been secured. These proposed tasks are provided for information purposes only. An amendment to the UPWP will be completed to reflect any contracts secured for these proposed tasks.

### ***Interstate Route I-91 Major Corridor Planning Study***

#### **OBJECTIVE:**

The 2007 Update to the Regional Transportation Plan for the Pioneer Metropolitan Planning Organization (RTP) recommends a study be advanced for the South End Bridge and I-91 corridor from Exit 1 (Route 5 South) through Exit 5 (Broad Street). This study was recognized as a "High" priority project for the Pioneer Valley Region.

In the late 1990's a private consultant was commissioned by the Massachusetts Highway Department to conduct a conceptual design study of I-91 in Springfield to evaluate measures to improve traffic operations. This section of I-91 currently exhibits numerous short weaving areas, non-standard geometrical features, restrictive sight distances, heavy traffic volumes, and high travel speeds all of which have resulted in congestion and safety problems.

Since completion of this study, a number of transportation improvement projects have been completed for this area. The Springfield I-91 weave elimination project addressed many of the safety and congestion issues north of the proposed study area. Repairs to the South End Bridge have recently been completed and a new flyover ramp from Route 5 northbound to Route 57 westbound is in preliminary design stages. A design Build project to install Intelligent Transportation System (ITS) devices along I-91 and I-291, which includes the I-91 Corridor Planning Study limits, commenced in Fall 2008. An I-91 Interstate maintenance project that includes the Longmeadow/ Springfield area was recently advertised for construction. The FHWA in their oversight requested that a crash analysis be conducted so that appropriate safety improvements could be included in the work. This resulted in the incorporation of new safety warning signs and guardrails. It was concluded that major safety upgrades should be deferred pending further study. The FHWA agreed with this approach.

MassHighway District 2 initially requested this study in 2006. A new study would further develop the original concepts recommended for this area and explore opportunities to enhance bicycle and pedestrian movements by connecting the Springfield Riverwalk to the Agawam Riverwalk and the Forest Park area. The study would also evaluate traffic operations through the collection of new traffic count data, the analysis of crash data, and development of an origin/destination travel survey. In addition, the study would evaluate how to best incorporate the corridor's ITS devices (Variable Message Signs and Closed Circuit Television Cameras) into traffic operations to address the study goal of reducing congestion. Key recommendations from previous studies should be re-evaluated along with existing substandard geometric features such as the existing I-91 median shoulder width. The final product would be a plan featuring short and long-term recommendations

to improve safety, enhance bicycle and pedestrian flow, incorporate ITS devices, and reduce congestion along the I-91 corridor.

Source	Budget	Est. Staff Effort
FHWA – SPR (80%)	\$400,000	160 weeks
MassHighway (20%)	\$100,000	40 weeks
<b>TOTAL</b>	<b>\$500,000</b>	<b>200 weeks</b>

## **Route 9 Transit Study**

### **OBJECTIVE:**

To continue the study and development of transit concepts and recommendations to enhance public transportation in the Route 9 corridor in Northampton, Hadley and Amherst, as originally identified in the February 2004 Connecticut River Crossing Study (CRCS) produced for MassHighway.

Participants in this study would include PVPC, PVTA, the Massachusetts Highway Department, representatives of the municipalities of Amherst, Hadley and Northampton, and others as appropriate. Support from a transportation engineering and land use consultant would likely be sought to assist with the technical analysis of alternatives, evaluation of implementation options and phasing, and public participation. Significantly, MassHighway has begun the process of implementing traffic signal timing improvements along Route 9 in this corridor that could be configured to include signal prioritization capabilities for buses—a first step toward improving travel times for transit users.

The CRCS recommendations would serve as a basis for the development of alternatives, and work is expected to extend into FY2011.

### **PROPOSED ACTIVITIES**

1. Establish a project technical advisory committee (TAC) to serve as the focal point for agency coordination and public involvement activities.
2. Initiate a public participation process that includes local officials and residents from the communities of Amherst, Hadley, Northampton, the University of Massachusetts and other stakeholders to review and comment on proposed transit improvements.
3. Develop a project Scope of Work and Request for Proposals for traffic engineering and land use consulting services; identify funding sources for these technical services.
4. Conduct surveys of travelers in the Route 9 corridor to identify travel market demand, user preferences, community concerns and other relevant information.
5. Update travel time information for all transportation modes in the corridor.
6. Perform a preliminary evaluation of the transit-related recommendations in the 2004 CRCS and identify additional transit strategies and/or alternatives that may be appropriate. These should include:
  - a) Use of bus rapid transit (BRT) technologies to improve transit travel times and customer service.
  - b) Intermodal integration and land use recommendations.

- c) A preliminary alternatives evaluation.
- d) Identification of all necessary permits and approvals to advance the project.
- e) Cost estimates for each alternative, as well as overall program management.

Source	Budget	Est. Staff Effort
Section 5303	\$ 25,000	10 weeks
Section 5307	\$ 25,000	10 weeks
To Be Determined	\$150,000	60 weeks
TOTAL	\$200,000	80 weeks

**Knowledge Corridor Passenger Rail Implementation**

**OBJECTIVE:**

It is anticipated that the PVPC may apply for additional funding to assist in the implementation of the recommendations of the Knowledge Corridor Passenger Rail Study which was completed in August of 2009. This could result in the development of additional planning work to perform data collection, analysis and additional public participation necessary to support passenger rail service along this corridor.

**PREVIOUS WORK:**

- 1. Knowledge Corridor Passenger Rail Study.

**PROPOSED ACTIVITIES:**

- 1. Continue to work with federal, state and local officials to provide up to date information for the project.
- 2. Perform data collection and facilitate public participation efforts as necessary.
- 3. Review infrastructure needs and operating cost estimates for the incremental implementation of the service along the corridor.
- 4. Continue to assess potential funding strategies through applications for federal, state and local funding.

**PRODUCTS:**

- 1. TBD

Source	Budget	Est. Staff Effort
TBD	\$	



# FUNDING PROFILE

## FFY 2010 Unified Planning Work Program Funding Profile

	<u>Total</u>	<u>FHWA 3C PL</u>	<u>MHD 3C Match</u>	<u>Local Match</u>	<u>FTA S. 5303</u>	<u>PVTA* S. 5303 Match</u>	<u>PVTA S. 5307</u>	<u>PVTA S. 5307 Match</u>	<u>FTA S. 5316</u>	<u>FTA New Freedom</u>
<b>1.0 Management &amp; Certification of the 3C Process</b>										
1.1 Management of the 3C Process	71,250	30,000	7,500		12,000	3,000	5,000	1,250	7,500	5,000
1.2 Unified Planning Work Program	8,125	5,500	1,375		1,000	250				
1.3 Public Participation Process	44,250	17,400	4,350		6,000	1,500	4,000	1,000	5,000	5,000
1.4 TIP Development	70,000	40,000	10,000		10,000	2,500	6,000	1,500		
1.5 Statewide Funding Proposal Assistance	5,000	2,000	500				2,000	500		
1.6 Environmental Justice	35,000	12,500	3,125		7,500	1,875	8,000	2,000		
<b>Subtotal of Section 1.0</b>	<b>233,625</b>	<b>107,400</b>	<b>26,850</b>		<b>36,500</b>	<b>9,125</b>	<b>25,000</b>	<b>6,250</b>	<b>12,500</b>	<b>10,000</b>
<b>2.0 Technical Support &amp; Data Collection</b>										
2.1 Traffic Counting	37,500	30,000	7,500							
2.2 Regional Travel Demand Modeling/Clean Air Planning	73,750	48,000	12,000		3,500	875	7,500	1,875		
2.3 GIS, Mapping and Graphics	77,675	46,140	11,535		7,000	1,750	5,000	1,250	5,000	
2.4 Information Center	51,250	40,000	10,000		1,000	250		0		
2.5 Regional Congestion Management System - Data Collection	13,750	11,000	2,750					0		
2.6 Regional Pavement Management System - Data Collection	22,500	18,000	4,500							
<b>Subtotal of Section 2.0</b>	<b>276,425</b>	<b>193,140</b>	<b>48,285</b>		<b>11,500</b>	<b>2,875</b>	<b>12,500</b>	<b>3,125</b>	<b>5,000</b>	<b>0</b>
<b>3.0 RTP Planning</b>										
3.1 Regional Transportation Plan Update	59,375	40,000	10,000		5,000	1,250	2,500	625		
3.2 Transit System Surveys & Route Implementation	101,875		0		50,000	12,500	27,500	6,875	5,000	
3.3 Easthampton Route 10 Build Out Analysis	22,500	18,000	4,500							
3.4 Regional Freight Planning	15,000	12,000	3,000							
3.5 Regional Congestion Management System - Project Development	110,819	81,155	20,289		3,000	750	4,500	1,125		
3.6 Regional Pavement Management System - Project Development	25,000	20,000	5,000							
3.7 Connecticut River Walk & Bikeway Coordination	7,000	5,600	1,400							
3.8 Regional Safety and Planning Studies	105,625	77,000	19,250		5,000	1,250	2,500	625		
3.9 Intelligent Transportation Systems (ITS) - Strategic Planning	37,500	18,000	4,500				12,000	3,000		
3.10 Project Development Process Primer	7,500	6,000	1,500							
3.11 Climate Change Implementation Plan	16,000	12,800	3,200							
3.12 Manhan Rail Trail User Survey	5,000	4,000	1,000							
3.13 Downtown Ware Traffic Study	20,000	16,000	4,000							
<b>Subtotal of Section 3.0</b>	<b>533,194</b>	<b>310,555</b>	<b>77,639</b>	<b>0</b>	<b>63,000</b>	<b>15,750</b>	<b>49,000</b>	<b>12,250</b>	<b>5,000</b>	<b>0</b>
<b>4.0 Ongoing Transportation Planning</b>										
4.1 Regional Transit Planning	217,304				90,487	22,622	68,500	17,125	10,743	7,827
4.2 Paratransit Planning Assistance	15,000				5,000	1,250	5,000	1,250		2,500
4.3 Implementing the Regional Land Use Plan	31,000	24,800	6,200							
4.4 Regional Bicycle & Pedestrian Planning	49,375	39,500	9,875							
4.5 Local Technical Assistance	36,500	29,200	7,300							
4.6 Local Pavement Management Program	11,600			11,600						
4.7 Jacob's Ladder Trail Scenic Byway Project	199,000									
4.8 Connecticut River Scenic Farm Byway Project	7,000	5,600	1,400							
4.9 Merrick/Memorial Neighborhood Plan Implementation	175,000									
4.10 Route 112 Scenic Byway Corridor Project	38,500									
4.11 Regional Trail Map	8,000	6,400	1,600							
<b>Subtotal of Section 4.0</b>	<b>605,279</b>	<b>105,500</b>	<b>26,375</b>	<b>11,600</b>	<b>95,487</b>	<b>23,872</b>	<b>73,500</b>	<b>18,375</b>	<b>10,743</b>	<b>10,327</b>
<b>MHD 3C Direct Costs</b>	<b>40,000</b>	<b>32,000</b>	<b>8,000</b>							
<b>Program Sum</b>	<b>1,871,523</b>	<b>748,595</b>	<b>187,149</b>	<b>11,600</b>	<b>206,487</b>	<b>51,622</b>	<b>160,000</b>	<b>40,000</b>	<b>33,243</b>	<b>20,327</b>

## FUNDING SUMMARY

Transportation Funding	Value	% of Total
FHWA PL (80%)	\$ 748,595.00	28.56%
MassHighway PL (20% match)	\$ 187,149.00	7.14%
FTA Section 5307 (80%)	\$ 160,000.00	6.10%
PVTA Section 5307 (20% match)	\$ 40,000.00	1.53%
FTA Section 5303 (80%)	\$ 206,487.00	7.88%
PVTA Section 5303 (20% match)	\$ 51,622.00	1.97%
FTA/PVPC (Section 5316)	\$ 33,243.00	1.27%
FTA/PVPC (New Freedom)	\$ 20,327.00	0.78%
Local Funds (includes in-kind contributions)	\$ 11,600.00	0.44%
* FHWA Scenic Byway Funding	\$ 237,500.00	9.06%
Passenger Rail Study	\$ 750,000.00	28.61%
** USDOT TCSP Grants (estimated)	\$ 175,000.00	6.68%
<b>Total</b>	<b>\$ 2,621,523.00</b>	<b>100.00%</b>
Other Funding	Value	% of Total
MARPA Support Services	\$ 14,000.00	0.55%
EPA Water Quality Planning	\$ 50,000.00	1.97%
EPA/DWPC Urban Stormwater Management	\$ 29,500.00	1.16%
Pioneer Valley Water Quality Initiatives	\$ 34,000.00	1.34%
* HUD/CBDG Administration - 2007 and 2008 projects	\$ 692,850.00	27.28%
EPA/EOEA CSO and Stormwater Management	\$ 29,750.00	1.17%
Route 9 Construction Mitigation Plan	\$ 16,500.00	0.65%
EOEA/MassGIS Parcel Mapping and Zoning Projects	\$ 8,800.00	0.35%
* HUD/CDBG Administration - New Projects	\$ 308,400.00	12.14%
Housing Rehab Loan Program Management	\$ 66,000.00	2.60%
EPA/Interstate Watershed Management	\$ 87,550.00	3.45%
Local Service Contracts	\$ 94,600.00	3.73%
FY 2009 Local Assessments	\$ 72,000.00	2.84%
MHC and PVPC Historic Preservation	\$ 82,000.00	3.23%
EPA Brownfields Revolving Loan Fund Management	\$ 49,500.00	1.95%
Massachusetts DLTA Planning	\$ 147,200.00	5.80%
US/EDA Regional Economic Planning	\$ 90,800.00	3.58%
PVPC Data Center - New Projects	\$ 51,500.00	2.03%
Route 112 Scenic Byway Planning Project	\$ 45,000.00	1.77%
DHCD/Development Regional Affordable Housing Plan	\$ 80,600.00	3.17%
EOPS Homeland Security Planning/GIS Components	\$ 61,800.00	2.43%
MEMA/FEMA Natural Hazards Mitigation Planning	\$ 40,500.00	1.59%
PVTA Transit Mapping and Graphics Support	\$ 31,000.00	1.22%
Chapter 43D Expedited Permitting	\$ 78,800.00	3.10%
501 (C) 3 Non Profit Corporation Revenue	\$ 72,850.00	2.87%
DOE/Development of Renewal Energy Plan	\$ 49,000.00	1.93%
Development of Local Master Plans	\$ 70,000.00	2.76%
New Clean Energy/Climate Change Projects	\$ 40,000.00	1.58%
Sustainable Development - Regional Research	\$ 33,000.00	1.30%
Miscellaneous	\$ 12,000.00	0.47%
<b>Total</b>	<b>\$ 2,539,500.00</b>	<b>100.00%</b>

\* Denotes Pass-through Funding

\*\* For the City of West Springfield

Overall Funding	Value	% of Total
FHWA PL (80%)	\$ 748,595.00	14.50%
MassHighway PL (20% match)	\$ 187,149.00	3.63%
FTA Section 5307 (80%)	\$ 160,000.00	3.10%
PVTA Section 5307 (20% match)	\$ 40,000.00	0.78%
FTA Section 5303 (80%)	\$ 206,487.00	4.00%
PVTA Section 5303 (20% match)	\$ 51,622.00	1.00%
FTA/PVPC (Section 5316)	\$ 33,243.00	0.64%
FTA/PVPC (New Freedom)	\$ 20,327.00	0.39%
Local Funds (includes in-kind contributions)	\$ 11,600.00	0.22%
* FHWA Scenic Byway Funding	\$ 237,500.00	4.60%
Passenger Rail Study	\$ 750,000.00	14.53%
** USDOT TCSP Grants	\$ 175,000.00	3.39%
MARPA Support Services	\$ 14,000.00	0.27%
EPA Water Quality Planning	\$ 50,000.00	0.97%
EPA/DWPC Urban Stormwater Management	\$ 29,500.00	0.57%
Pioneer Valley Water Quality Initiatives	\$ 34,000.00	0.66%
* HUD/CBDG Administration - 2007 and 2008 projects	\$ 692,850.00	13.42%
EPA/EOEA CSO and Stormwater Management	\$ 29,750.00	0.58%
Route 9 Construction Mitigation Plan	\$ 16,500.00	0.32%
EOEA/MassGIS Parcel Mapping and Zoning Projects	\$ 8,800.00	0.17%
* HUD/CDBG Administration - New Projects	\$ 308,400.00	5.98%
Housing Rehab Loan Program Management	\$ 66,000.00	1.28%
EPA/Interstate Watershed Management	\$ 87,550.00	1.70%
Local Service Contracts	\$ 94,600.00	1.83%
FY 2009 Local Assessments	\$ 72,000.00	1.40%
MHC and PVPC Historic Preservation	\$ 82,000.00	1.59%
EPA Brownfields Revolving Loan Fund Management	\$ 49,500.00	0.96%
Massachusetts DLTA Planning	\$ 147,200.00	2.85%
US/EDA Regional Economic Planning	\$ 90,800.00	1.76%
PVPC Data Center - New Projects	\$ 51,500.00	1.00%
Route 112 Scenic Byway Planning Project	\$ 45,000.00	0.87%
DHCD/Development Regional Affordable Housing Plan	\$ 80,600.00	1.56%
EOPS Homeland Security Planning/GIS Components	\$ 61,800.00	1.20%
MEMA/FEMA Natural Hazards Mitigation Planning	\$ 40,500.00	0.78%
PVTA Transit Mapping and Graphics Support	\$ 31,000.00	0.60%
Chapter 43D Expedited Permitting	\$ 78,800.00	1.53%
501 (C) 3 Non Profit Corporation Revenue	\$ 72,850.00	1.41%
DOE/Development of Renewal Energy Plan	\$ 49,000.00	0.95%
Development of Local Master Plans	\$ 70,000.00	1.36%
New Clean Energy/Climate Change Projects	\$ 40,000.00	0.78%
Sustainable Development - Regional Research	\$ 33,000.00	0.64%
Miscellaneous	\$ 12,000.00	0.23%
<b>Total</b>	<b>\$ 5,161,023.00</b>	<b>100.00%</b>

## SUMMARY OF COMMENTS

Task	Comment	From
3.13 Downtown Ware Main Street Signalization Study	Support for Proposed Study	Paul Hills

# 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 19, 2009 and discussed the following item for endorsement: The Pioneer Valley Region's Federal Fiscal Year 2010 Unified Planning Work Program (UPWP)

### Executive Office of Transportation and Construction (EOT)


I, Secretary of the Executive Office of Transportation and Construction, hereby  
 Endorse       Do Not Endorse      the above referenced item.

  
James Aloisi  
Secretary - EOTPW

08/19/09  
Date

### Massachusetts Highway Department (MHD)

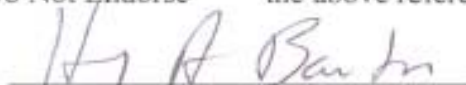
I, Commissioner of the Massachusetts Highway Department, hereby  
 Endorse       Do Not Endorse      the above referenced item.

  
Luisa Paiewonsky  
Commissioner - MHD

08/19/09  
Date

### Pioneer Valley Planning Commission (PVPC)

I, Vice Chair of the Pioneer Valley Planning Commission, hereby  
 Endorse       Do Not Endorse      the above referenced item.

  
Hank Barton  
Vice Chair - PVPC

8/19/09  
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

\_\_\_\_\_  
Date

**City of Holyoke**

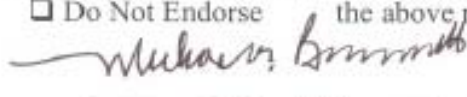
I, Mayor of the City of Holyoke, hereby  
 Endorse  Do Not Endorse the above referenced item.

  
\_\_\_\_\_  
Michael Sullivan  
Mayor-Holyoke

8-19-09  
\_\_\_\_\_  
Date

**City of Chicopee**


I, Mayor of the City of Chicopee, hereby  
 Endorse  Do Not Endorse the above referenced item.

  
\_\_\_\_\_  
Michael Bissonnette  
Mayor-Chicopee

8/19/09  
\_\_\_\_\_  
Date

**City of Northampton**

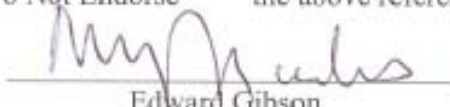
I, Mayor of the City of Northampton, hereby  
 Endorse  Do Not Endorse the above referenced item.

  
\_\_\_\_\_  
Mary Clare Higgins  
Mayor-Northampton

\_\_\_\_\_  
Date

**Town of West Springfield**

I, Mayor of the Town of West Springfield, hereby  
 Endorse  Do Not Endorse the above referenced item.

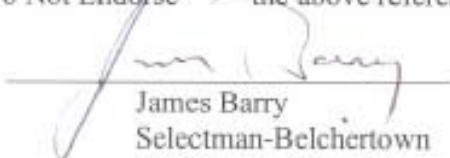
  
\_\_\_\_\_  
Edward Gibson  
Mayor-West Springfield

8/19/09  
\_\_\_\_\_  
Date

  
Edward Gibson  
8/19/09

**Town of Belchertown**

I, Board of Selectmen member of the Town of Belchertown, hereby  
 Endorse  Do Not Endorse the above referenced item.

  
\_\_\_\_\_  
James Barry  
Selectman-Belchertown

8/19/09  
\_\_\_\_\_  
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

\_\_\_\_\_  
Date