

U P W P NIFIED LANNING ORK ROGRAM



Photo by Tim Doherty



Fiscal Year 2006
October 1, 2005 to September 30, 2006

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



PIONEER VALLEY PLANNING COMMISSION
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Pioneer Valley
Unified Planning Work Program

Fiscal Year 2006
October 1, 2005 to September 30, 2006

Final Document
August, 2005

Prepared by the
Pioneer Valley Planning Commission

For the Pioneer Valley
Metropolitan Planning Organization

Pioneer Valley MPO Members

Name	Title
John Cogliano	Secretary of the Executive Office of Transportation
Luisa Paiewonsky	Commissioner of the Massachusetts Highway Department
Henry Barton	Chairman of the Pioneer Valley Executive Committee
James L. St. Amand	Chairman of the Pioneer Valley Transit Authority Advisory Board
Mayor Michael Sullivan	Mayor of Holyoke
Mayor Richard Sullivan	Mayor of Westfield
Brian Ashe	Longmeadow Board of Selectmen
Patrick Goughan	Hatfield Board of Selectmen
Alternates	
Mayor Charles Ryan	Mayor of Springfield
Mayor Richard Goyette	Mayor of Chicopee
Mayor Edward Gibson	Mayor of West Springfield
Roger A. Fuller	Chesterfield Board of Selectmen

This document is developed through the assistance of the Federal Highway Administration, the Federal Transit Administration, the Massachusetts Executive Office of Transportation, the Massachusetts Highway Department and the Pioneer Valley Transit Authority.

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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 (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 Transportation Equity Act for the 21st Century (TEA-21), 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:

Funding Source	Fiscal Period:
FHWA/MassHighway	October 1, 2005 through September 30, 2006
FTA/EOT	October 1, 2005 through September 30, 2006
PVTA	July, 2005 through June, 2006
Scenic Byways Program	Various Contract Periods

The Pioneer Valley Metropolitan Planning Organization endorses the 2006 Unified Planning Work Program for the Pioneer Valley Region once it has been developed cooperatively and in accordance with the Public Participation Process established for this region. This document was endorsed by the Pioneer Valley MPO on August 23, 2005. A copy of the endorsement sheet appears at the end of the 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. Unexpended funds from contract to contract are reserved in a "PL Balance" account for the region. Below is a summary of PVPC's continuing PL funding account.

Total PL Allocations as of October 1, 2005 (FFY 2006)	\$11,178,031
Total PL Expenditures as of March 31, 2005	\$9,370,531
Estimated PL Expenditure for Remainder of FFY 2005 UPWP	\$443,389
Current PL Balance (Estimated)	\$1,364,111
Estimated PL Expenditure in FFY 2006 UPWP	\$812,945
Estimated PL Balance as of September 30, 2006	\$551,166

Source: PVPC

A total of \$812,945 in PL funds has been programmed for PVPC's FY2006 Transportation Work Program. Of this \$812,945, \$777,945 is "new" PL funding for FY2006. The remaining \$35,000 is a drawdown from PVPC's PL Balance. 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 FY2006.

FTA/EOT/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.

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.

FIX IT FIRST/COMMUNITIES FIRST

In January, 2003 Massachusetts Governor Mitt Romney developed the Statewide Road and Bridge Policy. It states that it shall be the policy of the Commonwealth of Massachusetts, in all programs involving work on streets, roads and bridges, to:

Fix It First: To give priority to the repair of existing streets, roads and bridges; and

Use **Communities First Initiatives:** Wherever a street, road or bridge needs to be re-designed and reconstructed, to plan and undertake, in collaboration with the affected community, a “context-sensitive” project – one that fully protects and enhances the surrounding community and landscape while addressing mobility for all transportation modes.

The purposes of this policy are to:

- Prevent sprawl;
- Recognize all the Commonwealth’s citizens and communities as its transportation agencies’ customers;
- Avoid the costs associated with unnecessary road widening and the conflicts they entail, and thereby use available funding to complete more projects in more communities and to produce more construction jobs; and
- Provide enhanced mobility for sustainable transportation modes (walking, bicycling, and public transportation).

The FY2006 Unified Planning Work Program for the Pioneer Valley Metropolitan Planning Organization adheres to the Fix It First/Communities First Policy. All proposed transportation planning tasks for the MPO have been modified to incorporate these policies to the extent possible.

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 September of 1998 to increase the role of the local communities in the transportation planning process. The number of voting members was increased from four to eight and consists of the following officials or their designee or alternate.

- The Secretary of the Executive Office of Transportation
- The Commissioner of the Massachusetts Highway Department
- The Chairman of the Pioneer Valley Planning Commission
- The Chairman of the Pioneer Valley Transit Authority
- The Mayor of one of the following three urban core cities within the Pioneer Valley region:

Chicopee

Holyoke

Springfield

- The Mayor or Selectman of one of the following six urban centers outside of the three core cities within the Pioneer Valley region:

Agawam
Northampton

Amherst
Westfield

Easthampton
West Springfield

- A Selectman of one of the following twelve suburban towns within the Pioneer Valley region:

Belchertown	East Longmeadow	Granby
Hadley	Longmeadow	Ludlow
Palmer	South Hadley	Southampton
Southwick	Ware	Wilbraham

- A Selectman of one of the following twenty-two rural towns within the Pioneer Valley region:

Blandford	Brimfield	Chester
Chesterfield	Cummington	Goshen
Granville	Hampden	Hatfield
Holland	Huntington	Middlefield
Montgomery	Monson	Pelham
Plainfield	Russell	Tolland
Wales	Westhampton	Williamsburg
Worthington		

In addition, the Joint Transportation Committee (JTC) Chairman, and one representative each from both the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA), the four alternate community 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.

Pioneer Valley MPO Members

Name	Title
John Cogliano	Secretary of the Executive Office of Transportation
Luisa Paiewonsky	Commissioner of the Massachusetts Highway Department
Henry Barton	Chairman of the Pioneer Valley Executive Committee
James L. St. Amand	Chairman of the Pioneer Valley Transit Authority Advisory Board
Mayor Michael Sullivan	Mayor of Holyoke
Mayor Richard Sullivan	Mayor of Westfield
Brian Ashe	Longmeadow Board of Selectmen
Patrick Goughan	Hatfield Board of Selectmen
Alternates	
Mayor Charles Ryan	Mayor of Springfield
Mayor Richard Goyette	Mayor of Chicopee
Mayor Edward Gibson	Mayor of West Springfield
Roger A. Fuller	Chesterfield 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, including, Peter Pan Bus Lines, Inc., the Pioneer Valley Railroad, and the Westfield Airport.

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 for reviewing transportation plans and projects, offering comments and recommendations to guide transportation planning 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. The JTC plays a key role in reviewing documents such as the Regional Transportation Plan, the annual Transportation Improvement Program and the Unified Planning Work Program.

Pioneer Valley Joint Transportation Committee Members and Alternates

Community	Member	Alternate
Agawam	John Stone	Georgeanne Hoyman
Amherst	Guilford Mooring	Jason Skeels
Barnes Municipal Airport	Chris Willenborg	
Belchertown	Steven Williams	Leone Gary
Brimfield	Robert Hanna	
Chester	Tony Mazzaferro	
Chesterfield	Edward Dahill	Matt Smith
Chicopee	Catherine Brown	Steven Frederick
Cummington	Rob Dextraze	
East Longmeadow	David Gromaski	Kimberly Wiezbicki
Easthampton	Stuart Beckley	James Gracia
Goshen	Joe Dunn	
Granby	David Derosiers	Richard Daley
Granville	Doug Roberts	Kathryn Martin
Hadley	Alexandra Dawson	
Hampden	Melissa Reeves	Duane Mosier
Hatfield	Jim Reedy	
Holland	Earl Johnson	Brian Johnson
Holyoke	Matt Sokop	Jeffrey Burkott
Huntington	Wayne McKinney	Albert LaFrance
Longmeadow	Douglas Barron	
Ludlow	Paul Dzubick	Michael Szlosek
MassHighway District 1	Ross Dindio	
MassHighway District 2	Richard Masse	Meryl Mandell
Middlefield	Rodney Severy, Jr.	
Monson	John Morrell	Gretchen Neggars
Montgomery	Curtis Bush, Jr.	
Northampton	Wayne Feiden	George Andrikidis
Palmer	Terry Korzec	Patricia Kennedy
Pelham	Rick Adamcek	
Peter Pan Bus Lines	Peter Picknelly, Jr.	Robert Schwarz
Pioneer Valley Railroad		
Pioneer Valley Transit Authority	Sandra Sheehan	
Plainfield	Charles Waterhouse	
Russell	Mickey Sharkey	Lyle Maxwell
South Hadley	Gregory Kereakoglow	
Southampton	Edward J. Cauley	
Southwick	Jeff Neece	Richard Grannells
Springfield	Allan Chwalek	Peter Shumway
Tolland	James Deming	Richard Daley
University of Massachusetts	Al Byam	
Wales	Michael Wasilak	
Ware	Paul Hills	Gilbert St. George-Sorel
Westfield	Mark Cressotti	
Westhampton	David Blakesly	Charles Norris
West Springfield	James W. Lyons	James Czach
Wilbraham	James E. Thompson	Tonya Bosch
Williamsburg	William Turner	Kim Boas
Worthington	Cork Nugent	

TRANSPORTATION PLANNING STAFF

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

<u>Name</u>	<u>Title</u>
Tim Doherty	Senior Transportation Planner - Manager
David Johnson	Transportation Planner I
Amir Kouzehkanani	Senior Transportation Planner – Manager
Andrew McCaul	Transportation Planner II
Jeff McCollough	Senior Transportation Planner II
Melissa Paciulli	Senior Transportation Planner II
Dana Roscoe	Principal Planner - Section Head
Gary Roux	Principal Planner - Section Head
Kimberly Stearns	Transportation Planner II

STAFFING REPORT

The following PVPC staff members are expected to work on the FY2006 Unified Planning Work Program. The percentage of each staff member's time devoted to Transportation Planning Tasks is approximated under "% Time on Transportation".

Staff	Position	% Time on Transportation
Ray Centeno	Graphics Designer	24%
Chris Curtis	Principal Planner/Section Manager	15%
Tim Doherty	Senior Transit Planner	100%
Christopher Dunphy	Community Development Senior Planner	10%
Paul Foster	Analyst/Regional Information Center Manager	71%
James Gray	Community Development Principal Planner	10%
Shaun Hayes	Principal Planner/Section Manager	10%
Dave Johnson	Transit Planner	100%
Amir Kouzehkanani	Senior Transp. Planner/Manager	100%
James Mazik	Deputy Director for Operation/Community Development Section Manager	15%
Andrew McCaul	Transportation Planner II	100%
Jeff McCullough	Senior Transportation Planner	100%
Catherine Miller	Principal Planner/Section Manager	23%
Melissa Paciulli	Senior Transportation Planner	100%
Bonnie Parsons	Community Development Principal Planner	35%
Dana Roscoe	Principal Planner	100%
Gary Roux	Principal Planner	100%
Jim Scace	Senior Planner/GIS Specialist	15%
Ashley Shea	Communications Manager	19%
Kimberly Stearns	Transportation Planner II	100%
Lori Tanner	Community Development Planner	10%
Eric Twarog	Land Use Planner	13%
Todd Zukowski	Planner Specialist/GIS Graphics	36%
Transportation Interns (2)	Intern	100%

PREVIOUS TRANSPORTATION STUDIES

Jacob's Ladder Trail Scenic Byway Study- Landscape Inventory & Assessment
Jacob's Ladder Trail Scenic Byway Study- Executive Summary
Jacob's Ladder Trail Scenic Byway Study- Highway and Safety Analysis
Jacob's Ladder Trail Scenic Byway Study- 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
Interstate 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 Report: Rte. 5 Signal Coordination
Rte. 5 Corridor Study Supplemental Report: Elmwood Area Preliminary Travel Demand Analysis
Route 10/202 Corridor Study
A Decade of Regional Traffic Counts 1983-1993
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
Regional Traffic Counts 1990-1995
Regional Traffic Counts 1992-1997
Regional Traffic Counts 1994-1999
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
The Pioneer Valley Regional Bicycle and Pedestrian Transportation Plan
Bradley Airport Study for Western Massachusetts
2000 Pioneer Valley Regional Transportation Plan
2001 Update to the Regional Congestion Management System
Outer Belt Transportation Study
Holyoke Downtown Flow Study
Regional Traffic Counts 1997 – 2001
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)
Regional Traffic Counts, 1999 – 2003
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

STUDIES COMPLETED AS PART OF THE FY 2005 UPWP

Community and Facility Profiles (various)
Local Technical Assistance Requests (various)
Amendment to the 2003 Regional Transportation Plan
McKnight and Bay Neighborhood Traffic Study
Pavement Management Informational Brochure
Springfield Riverwalk User Survey
Update to the Regional Congestion Management System
Roadway Functional Classification Updates
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

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 2006.

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 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
MassHighway PL	\$30,000	19 weeks
FTA S.5303	\$10,000	6 weeks
PVTA S.5307	\$ 6,250	4 weeks
TOTAL	\$46,250	29 weeks

Direct Labor	\$21,919
Indirect Costs	\$24,331

Task 1.2 Unified Planning Work Program

OBJECTIVE:

To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the PVPC planning region during the forthcoming period regardless of funding source. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines.

PREVIOUS WORK:

1. Pioneer Valley Unified Work Programs 1974 - 2005.

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 EOT and subject to the adopted Public Participation Plan.

PRODUCTS:

1. Amendments to the current UPWP as necessary.
2. UPWP for the next program year (FFY 2007)

Source	Budget	Est. Staff Effort
MassHighway PL	\$5,000	3 weeks
FTA S.5303	<u>\$1,250</u>	<u>1 weeks</u>
TOTAL	\$6,250	4 weeks

Direct Labor	\$2,962
Indirect Costs	\$3,288

Task 1.3 Public Participation Process

OBJECTIVE:

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. To assess the effectiveness of the current Public Participation Process and to develop and enhance the process of regional involvement supporting the objectives of TEA-21 and the anticipated new federal transportation bill.

PREVIOUS WORK:

1. Pioneer Valley Public Participation Process 2000-2005.
2. Memorandum of Understanding for the restructure of the Pioneer Valley Metropolitan Planning Organization.
3. PVPC website.
4. "REGION" – PVPC cable access show.
5. Pavement Management Informational Brochure
6. PVPC Speaker Series "In Futuro—What Lies Ahead for the Place We Call Home"
7. Press releases and publicity announcing transportation projects and events
8. Quarterly PVPC newsletter "Regional Reporter"

PROPOSED ACTIVITIES:

1. Refine the current Public Participation Process as needed.
2. Apply the Public Participation Process to transportation programs and tasks: prepare for public meetings, attend public meetings, use the outreach staff person to increase public participation, inform and educate residents and employers of the region about TEA-21, CAAA, and PVPC activities.
3. Update the Public Participation Process for the Pioneer Valley MPO.
4. Develop Bylaws for the Pioneer Valley Joint Transportation Committee.
5. Apply new and innovative approaches to improve public participation levels and opportunities, especially for plans and programs.
6. 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.
7. Plan and produce a speaker series focusing on the future of energy in the region and beyond for the short and long terms, featuring an array of speakers on energy sources and innovations.
8. Plan and produce a pilot online training module focusing on a transportation issue of regional significance.

PRODUCTS:

1. Meeting minutes.
2. Press releases for TDM, TMA and Enhancement projects.
3. Public Participation Process Update
4. JTC Bylaws

Source	Budget	Est. Staff Effort
MassHighway PL	\$23,263	14 weeks
FTA S.5303	\$ 4,375	2 weeks
PVTA S.5307	<u>\$ 5,000</u>	<u>3 weeks</u>
TOTAL	\$32,638	19 weeks

Direct Labor	\$15,468
Indirect Costs	\$17,170

Task 1.4 Transportation Improvement Plan (TIP) Development

OBJECTIVE:

As lead planning agency of the Pioneer Valley MPO, PVPC is responsible for annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the Pioneer Valley Region. Under this activity, PVPC will update and refine a staged program of transportation improvement projects that 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 – 2005.

PROPOSED ACTIVITIES:

1. Solicit transportation improvement projects from municipalities, MassHighway, PVTA and other transportation providers.
2. Maintain a database of improvement projects. Data will satisfy the requirements of the Metropolitan Planning Rules.
3. Provide technical assistance to the JTC for the refinement and application of a project priority system.

4. Utilize project evaluation criteria to jointly establish a financially constrained project listing for each program year with federal, state and regional officials.
5. 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.
6. Present air quality conformity findings conducted for the RTP and TIP. Analyses and documentation will satisfy the requirements of the Metropolitan Planning Rules.
7. Maintain a schedule for preparing, reviewing and revising the TIP cooperatively with federal, state and regional officials.
8. Conduct appropriate public participation for the TIP consistent with the public participation plan for the region.
9. Present documents to the MPO for endorsement.
10. Conduct formal amendments and adjustments as necessary.
11. Produce and distribute TIP documents for federal, state and local officials.
12. Attend regular meetings with MassHighway staff from both district offices to exchange information regarding transportation improvement projects.
13. Maintain and update links on the PVPC web site for each community containing TIP project information which will be used for both public and official use.

PRODUCTS:

1. FFY 2006 - 2010 Transportation Improvement Program.
2. Develop and refine procedures necessary for TIP preparation and amendment as necessary.
3. TIP Amendments and Adjustments as necessary.

Source	Budget	Est. Staff Effort
MassHighway PL	\$35,000	22 weeks
FTA S.5303	\$ 5,625	3 weeks
PVTA S.5307	<u>\$5,625</u>	<u>3 weeks</u>
TOTAL	\$46,250	28 weeks

Direct Labor	\$21,919
Indirect Costs	\$24,331

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 - 2005.
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.

PRODUCTS:

1. Technical assistance to communities on Enhancement project development.

Source	Budget	Est. Staff Effort
MassHighway PL	\$3,500	2 weeks
PVTA S.5307	\$2,500	2 weeks
TOTAL	\$6,000	4 weeks

Direct Labor	\$2,843
Indirect Costs	\$3,157

Task 1.6 Environmental Justice

OBJECTIVE:

To ensure that minority and low-income communities are treated equitably in the provision of transportation services and projects, and provide full participation for these communities to advise the MPO during its planning and decision making process.

PREVIOUS WORK:

1. Coordination with the Springfield Health Coalition and “Spring Walks.”
2. Participation in recertification of the Metropolitan Planning Organization.
3. 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.
4. PVPC staff attended FHWA training workshops on Title VI. Coordinated a presentation to JTC members regarding Title VI and Environmental Justice.
5. Developed bilingual survey forms for transit surveys.
6. Evaluated the distribution of transportation investments in the Pioneer Valley region to determine whether low-income and minority communities are receiving a fair allocation of available resources.
7. Provided presentation to the JTC and Plan for Progress Urban Investment Strategy Team regarding transportation planning in the region
8. Updated region-wide databases and GIS maps of Welfare clients.
9. Participation in the region-wide Welfare-to-Work Task Force and Hampden County SDA Quartet meetings.
10. Develop bilingual public notices for the Transportation Improvement Plan and the Regional Transportation Plan.
11. Re-broadcast Title VI and Environmental Justice program on the PVPC “Region” cable access show.

PROPOSED ACTIVITIES:

1. Begin efforts to establish Environmental Justice representation and participation with the Joint Transportation Committee.
2. Update regional maps using revised Census Data as necessary.
3. Provide increased opportunities for under-served populations to be represented in the transportation planning process.
4. Develop bilingual public notices for the Transportation Improvement Plan and the Unified Planning Work Program.
5. Explore options for using a Regional Transit Model to analyze the mobility of target area populations to jobs, childcare, and transit routes.

6. 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.
7. Inventory Transit Amenities (stops and shelters).
8. Review existing public outreach and involvement plan.
9. Update Progress Urban Investment Strategy Team regarding transportation planning in the region
10. Continue coordination between PVPC and CRCOG related to Environmental Justice.
11. Continue to develop bilingual survey forms for PVPC and PVTA surveys.
12. Expand public participation efforts related to the RTP and TIP to include distribution to representatives of key minority population groups in the region.
13. Review measures of effectiveness regarding implementation of Title VI.
14. Review protocol for responding to issues and concerns regarding Title VI.
15. Provide an update to the Pioneer Valley Joint Transportation Committee Regarding Title VI reports.
16. "Springfield Walks" Public Outreach and Survey – PVPC staff will work in collaboration with the National Parks Service, The City of Springfield Planning Office, and the Springfield Health Coalition on a collaborative effort to encourage walking and bicycling. PVPC staff will collect "before" and "after" data for the use of the Springfield Riverwalk and assist in coordinating outreach efforts and the development of a brochure designed to promote public awareness and use of the Riverwalk.

PRODUCTS:

1. Increased involvement of low-income and minority populations in the transportation planning process.
2. Volume Counts for the Springfield Riverwalk.
3. Technical assistance memoranda, reports, and workshops as needed.

Source	Budget	Est. Staff Effort
MassHighway PL	\$10,000	6 weeks
FTA S.5307	\$10,000	6 weeks
FTA S.5303	\$ 8,250	5 weeks
TOTAL	\$28,250	17 weeks

Direct Labor	\$13,389
Indirect Costs	\$14,861

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 - 2001.
2. Traffic count library and database at PVPC.
3. Highway Performance Monitoring System (HPMS) data collection and analysis.
4. Regional Traffic Counts, 1992 – 1997.
5. Regional Traffic Counts, 1995 – 1999.
6. Regional Traffic Counts, 1997 – 2001.
7. Regional Traffic Counts, 1999 – 2003.

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. Perform data collection activities 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. Continue to expand the PVPC traffic count database to include the hourly breakdown of traffic counts.
10. Work to develop a methodology to include PVPC's traffic count database on the agency webpage.

PRODUCTS:

1. Summary reports of daily traffic count information for the region.
2. Collect and document traffic counts for other UPWP tasks as needed.
3. Seasonal adjustment factors and growth rates specific to the PVPC region.
4. Regional Traffic Count Summary Report: 2001-2005

Source	Budget	Est. Staff Effort
MassHighway PL	\$30,000	19 weeks
TOTAL	\$30,000	19 weeks

Direct Labor	\$14,218
Indirect Costs	\$15,782

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 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), TEA-21 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. Pioneer Valley Regional Transportation Plan – 2000 Update.
5. TransCAD network for the PVPC Regional Transportation Model calibration of 1997 base roadway inventory file.
6. Updated base PVPC Regional Transportation Model with 2000 Census Data and geography.
7. 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
8. Construction of TransCAD route network for the regional transit model for the Southern Region.
9. Inclusion of route stop inventory data into TransCAD transit model route stop layer.
10. Run build out scenarios and analyze improvement alternatives to support current transportation planning studies in the PVPC region.
11. Memorandum on quantitative and qualitative evaluation criteria for TIP projects funded under the CMAQ program.
12. Developed links with PVPC Traffic database for future calibration.
13. Position paper on the impact of converting the regional model from external stations to external zones.

PROPOSED ACTIVITIES:

1. Continue the refinement of PVPC's travel demand model using the 'TransCAD' software to improve forecasts of highway and transit demand with consideration for changes in land use and based upon additional information received from Census 2000.
2. Work with MassHighway Planning and the statewide Modeling Users Group for necessary improvements to the travel demand model for conformity determination purposes.
3. Work with MassHighway Planning to provide updated information on non-exempt regional projects for inclusion in the statewide model.
4. Review proposed federal and state air quality & clean air regulations. Conduct air quality conformity determinations for the Regional Transportation Plan (RTP) and the Transportation Improvement Program (TIP) according to the Massachusetts SIP Transportation Conformity Regulations; and perform air quality analysis for TIP projects to be funded under the Congestion Mitigation and Air Quality (CMAQ) program, the New and Innovative Transportation Demand Management (TDM) program and the Transportation Enhancement program.

5. Coordinate air quality planning efforts with the MA DEP, MassHighway Planning, the US EPA, the FHWA, the FTA, and other appropriate agencies.
6. Continue to analyze and identify transit access needs and travel times for local hospitals, major shopping areas and communities located in the region using existing Southern Region Transit network.
7. Develop Community links within model in order to estimate community effects of transportation improvement projects.
8. Continue to provide supporting data from the model to communities and MassHighway.
9. Expand regional transit model to include the Northern Region transit routes.
10. Begin research mode split model differences and construction of base model for the Transit and Highway Network for Southern Region.

PRODUCTS:

1. Updates to the regional travel demand model;
 - Updated macro's for base and forecast year due to upgrades in software.
 - Update base year model and future forecast years to include adjustments to speed data
 - Construction of Southern Region Transit Routes.
 - Analysis of existing transit ridership from Census 2000 and initial OD matrix
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. Provided the PVPC Regional Model and technical support to aid in the development of the Connecticut River Crossing Transportation Study. Incorporate preferred recommendations from the recently completed Connecticut River Crossing Transportation Study into the appropriate analysis year of the regional transportation model.
5. Provide maps for ongoing requests of graphical representation of existing model structure

Source	Budget	Est. Staff Effort
MassHighway PL	\$60,000	38 weeks
FTA S. 5303	\$ 1,875	1 week
PVTA S. 5307	<u>\$12,500</u>	<u>7 weeks</u>
TOTAL	\$74,375	46 weeks

Direct Labor	\$35,248
Indirect Costs	\$39,127

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 system map, preparation of individual maps and schedules, and support to PVRTA web page.
2. Acquired, revised and integrated relevant GIS spatial data/map coverages generated at local, state and federal levels into the Pioneer Valley regional archive, including: 0.5 meter color digital orthophotos, road centerlines, road names, 2000 Census geography, updated municipal zoning, municipal infrastructure, land use, parcel, and protected open space data.
3. Developed and maintained several spatial data layers to support transportation-related projects, including: functional classification of roads, traffic count locations, congestion management, parking lots, signalization, pavement conditions, regional bicycle and pedestrian infrastructure, travel time contours, ADA transit service area, etc.
4. Updated U.S. 2000 Census Statistical Areas to the Pioneer Valley region. Revised regional digital coverage of census geography and completed production to a series of demographic thematic maps to support federally mandated Environmental Justice program.
5. Expanded GIS archives to support GIS State Data Library and promote access to data among Western Massachusetts users.
6. Completed Pictometry training for municipal officials and distributed software and data to 34 communities.
7. Continued support of Western Massachusetts GIS User group, and coordinated periodic training sessions and forums to promote GIS in the Pioneer Valley region.
8. Participated in statewide GIS Advisory Committee to promote GIS technology and statewide system coordination.

PROPOSED ACTIVITIES:

1. Continue to develop and implement management strategies, which address staff training, establish agency data standards 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, air quality impact, critical infrastructure assessment and transportation system planning.
3. Improve ability to process, archive and distribute statewide digital color orthophotography and PICTOMETRY's high-resolution oblique imagery. Assist in 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 update analog and digital municipal spatial data on a phased basis using aerial photography, digital orthophoto quads, municipal sources, field survey, and liaison with officials. Special attention will be placed on enhancements to roadway centerline data generated from digital orthophotos and providing quality assurance to conflation of road inventory attributes.
6. Work with state and federal agencies to review, correct and enhance regional GIS map coverages and related data to meet state standards and support development to Homeland Security spatial database for western Massachusetts.

7. Upgrade GIS system and provide enhancements to the PVPC office network and web capacity to improve access and use of GIS data/analysis.
8. 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.
9. 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, recently released socio-economic data, and PVPC conducted field surveys.
6. Development of regional spatial data to support federal and state initiatives (i.e., homeland security and Massachusetts egov.).
7. Development of regional spatial data to support federal and state initiatives (i.e., homeland security and Massachusetts egov.).
8. Updated urbanized area and functionally classified roadways.

Source	Budget	Est. Staff Effort
MassHighway PL	\$57,675	36 weeks
FTA S. 5303	\$ 8,750	3 weeks
PVTA S. 5307	<u>\$ 6,250</u>	<u>4 weeks</u>
TOTAL	\$72,675	43 weeks

Direct Labor	\$34,443
Indirect Costs	\$38,232

Task 2.4 Information Center

OBJECTIVE:

To serve as a regional information resource supporting regional transportation, economic development, land use, and municipal planning by gathering, developing, analyzing and maintaining data about the Pioneer Valley region. An emphasis will be placed on creating value-added information, by analyzing and summarizing data as well as integrating related data derived from multiple sources. Providing high-quality information and research to public and private sector audiences as requested. Producing accessible publications using a wide-range of data. Exploring new options for delivery of data and information.

PREVIOUS WORK:

1. Developed population, household, and employment estimates and projections for use in the regional transportation model.
2. Expanded a comprehensive system housing Census 2000 data for Massachusetts and provided custom reporting for internal and external parties.
3. Developed a municipal indicators database that integrates data on property and property taxes, registered motor vehicles, the labor

- market, municipal revenues, and municipal expenses. One-page indicator reports are available for every city and town in the Pioneer Valley for every year from 1990 through 2004.
4. State of the Region/People, an annual report produced in 2000, 2001, 2002 and 2003.
 5. Numerous data monographs published on topics including land use, employment, immigration, the nonprofit sector, and self-employment.
 6. Prepared numerous maps of block group socio-economic data from Census 2000.
 7. Inventory of major employers in the region.
 8. Study of employers in the region with a focus on small businesses and economic clusters.
 9. Analyzed the importance of at-home and in-school factors on student achievement as measured by the 10th grade MCAS exam.
 10. Made more data available through PVPC's website, including economic indicators, population estimates, reports, and community profiles.
 11. Conducted detailed fiscal and ridership analyses in support of the Pioneer Valley Transit Authority (PVTA).
 12. Responded to more than 100 requests per year for data or information from private citizens, nonprofit organizations, students, private sector businesses, and government agencies; in many cases providing a customized analysis in response to requests.

PROPOSED ACTIVITIES:

1. Analyze data relevant to contemporary transportation, economic development, land use, and municipal planning issues. Detailed analysis of American Community Survey (ACS) results will begin as will analysis of municipal level results from the 2002 Economic Census.
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.
3. Conduct several significant research studies enhancing the regional knowledge base. Anticipated studies for the FY2006 year include:
 - a) A study of the region's retail sector based on results from the 2002 Economic Census.
 - b) An analysis of regional trends in the agricultural sector based on an historical analysis of Agricultural Census data from 1987 through 2002.
 - c) An examination of factors predicting the use of transit for commuting to work relying on 2000 Census Public Use Micro sample data files.
4. Provide research and socio-economic services to municipalities and other external stakeholders as requested.
5. Continue the benchmarking project that tracks regional indicators and is incorporated in the State of the Region report, by converting from a print to a CD-ROM format allowing broader distribution and more frequent updating of indicators.
6. Maintain and update the Information Center's information system that integrates demographic, economic, and municipal data. Incorporate Census 2000 journey-to-work and Public Use Microdata Samples (PUMS) into this system.
7. Operate regional economic model (IMPLAN) to support planning efforts.

8. Assist the Plan for Progress Trustees with transportation related initiatives to encourage regional economic development.
9. Continue to support efforts to update the regional transportation model to incorporate the Census 2000 population and latest employment data.

PRODUCTS:

1. Analytical and research reports on region's demographic and economic trends, such as a CD-ROM edition of the *State of the Region* or an analysis of the region's retail sector.
2. Maintain information system of socio-economic and disparate data.
3. Update and improve data on Information Center website.

Source	Budget	Est. Staff Effort
Mass Highway PL	\$56,938	35 weeks
FTA S. 5303	\$ 1,250	1 week
TOTAL	\$58,188	36 weeks

Direct Labor	\$27,577
Indirect Costs	\$30,611

Task 2.5 Regional Congestion Management System-Data Collection

OBJECTIVE:

To continue the advancement of the Congestion Management System (CMS) data collection in the Pioneer Valley. Travel time data will be used to identify areas of congestion and to monitor the effectiveness of congestion mitigation strategies.

PREVIOUS WORK:

1. Development of the PVPC CMS database.
2. Travel time data runs to identify and verify congested areas.
3. Travel time data runs to develop travel time contours for the region.

PROPOSED ACTIVITIES:

1. Collect data for CMS problem verification, studies, regional model calibration, and transportation monitoring.
2. Collect data at existing park and ride facilities in the region.

PRODUCTS:

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

Source	Budget	Est. Staff Effort
MassHighway PL	\$10,000	6 weeks
TOTAL	\$10,000	6 weeks

Direct Labor	\$4,739
Indirect Costs	\$5,261

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.

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 condition information including but not limited to ride, distress, rutting, and conditions that adversely impact surface friction.
2. Collect additional roadway information such as posted speed and shoulder width.
3. Collect roadway condition information for proposed transportation improvement projects in the region to assist in the regional project evaluation process.
4. Maintain and refine the MassHighway Roadway Inventory database for the Pioneer Valley Region.
5. Conduct quality control checks of inventory data and condition data.
6. Submit findings to MassHighway on a regular basis.

PRODUCTS:

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

Source	Budget	Est. Staff Effort
MassHighway PL	\$20,000	12 weeks
TOTAL	\$20,000	12 weeks

Direct Labor	\$ 9,478
Indirect Costs	\$10,522

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 2003 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 that promotes livable communities, provides for the efficient movement of people and goods, advances the economic vitality of the region and supports the Commonwealth's core transportation policies of Fix It First, Communities First and the tenets of Sustainable Development.

PREVIOUS WORK:

1. Regional Transportation Plans for the Pioneer Valley MPO – 1993, 1997, 2000, 2003.
2. 2005 Amendment to the Pioneer Valley Regional Transportation Plan

PROPOSED ACTIVITIES:

1. Update the status of current short and long range transportation recommendations included as part of the 2003 RTP.
2. Incorporate appropriate regionally significant transportation recommendations from recently completed studies.
3. Update the Financial section of the RTP to reflect the anticipated new funding levels as detailed in the new six year federal transportation bill.
4. Work with the Office of Transportation Planning to incorporate all non-exempt transportation alternatives into the statewide model.
5. Update the status of Intelligent Transportation System (ITS) projects in the region. Incorporate the recommendations from the ITS Architecture for Western Massachusetts into the RTP..
6. Develop a public participation schedule to present the RTP to the Pioneer Valley Region.
7. Work with EOT, the Berkshire Regional Planning Commission, the Town of Blandford, and the Massachusetts Turnpike to address local requests for a new Turnpike Exit between Exits 2 and 3 on the Massachusetts Turnpike.

PRODUCTS:

1. Detailed Outline – November, 2005.
2. Draft Update to the RTP – May, 2006.
3. Public Participation – June/July, 2006.
4. Final Update to the RTP – August, 2006

Source	Budget	Est. Staff Effort
MassHighway PL	\$ 74,000	46 weeks
FTA S. 5303	\$ 12,500	8 weeks
PVTA S. 5307	\$ 25,000	15 weeks
TOTAL	\$111,500	69 weeks

Direct Labor	\$52,843
Indirect Costs	\$58,657

Task 3.2 Transit System Surveys and Route Implementation

OBJECTIVE:

Conduct onboard/mail surveys for PVTA’s routes as required by PVTA’s service planning needs. The surveys are intended to provide the PVTA with a clear understanding of the ridership base as well as to create benchmarks of customer satisfaction, customer needs, and concerns.

PREVIOUS WORK:

- 1. Northampton/Route 9 Survey
- 2. Regional Para-Transit Survey
- 3. Survey of PVTA public meeting participants

PROPOSED ACTIVITIES:

- 1. Refine the methodology used to conduct PVTA surveys in the most efficient manner possible. Ongoing task.
- 2. Work with PVTA and its operator to evaluate the questions on the surveys in order to collect all necessary information. Expected completion date of Fall 2005.
- 3. Work with PVTA to survey routes in Springfield Based System in the fall of 2005. Draft Report anticipated by February, 2006.
- 4. Analyze the results of the on-board surveys to determine characteristics of average users and develop recommendations to PVTA to consider for implementation. Expected completion date of March, 2006.

PRODUCTS:

- 1. Survey methodology to be carried forward to future years.
- 2. Onboard ridership reports as required by PVTA.

Source	Budget	Est. Staff Effort
FTA S. 5303	\$29,834	20 weeks
PVTA S. 5307	\$25,000	16 weeks
TOTAL	\$54,834	36 weeks

Direct Labor	\$25,988
Indirect Costs	\$28,846

Task 3.3 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 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 is year two of an anticipated four year task.

PREVIOUS WORK:

- 1. Existing land use inventory
- 2. Business Survey
- 3. Existing Transportation Conditions Study.
- 4. Market Study
- 5. Regional Freight Study.
- 6. Merrick/Memorial Plan – Phase I
- 7. 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. Serve on the project selection and steering committees to oversee the administration of an anticipated PWED grant to design a new railroad overpass over Union Street. This grant has been applied for by the Town of West Springfield. This is an ongoing task with an estimated start date in the Winter of 2006.
3. Assist in the development of a public participation process to advance the design of the new railroad underpass. Ongoing task.
4. Conduct a traffic study that analyzes the impact of a new truck route on the study area intersections. Expected completion date of Summer, 2006.
5. Develop conceptual designs as appropriate to advance preferred alternatives to the construction stage. Expected completion date of Summer, 2006.

PRODUCTS:

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

Source	Budget	Est. Staff Effort
MassHighway PL	\$ 10,000	6 weeks
FHWA – TCSP	\$216,000	135 weeks
TOTAL	\$226,000	141 weeks

Direct Labor	\$ 28,436
Indirect Costs	\$ 31,564
Direct Costs	\$176,000

Task 3.4 Regional Freight Planning

OBJECTIVE:

PVPC will continue freight transport planning program in FY 2006. The second year of the program will be dedicated largely to expanding on the issues identified in the first year of the program, establishing an organizational format for conducting the planning program, and participating in statewide and regional freight planning activities. Compared to the traditional highway and transit planning conducted by MPOs like PVPC, freight planning will be conducted on a much broader geographic scale, and with much more private sector involvement. Due to the expanded geographic scale of most freight issues, we anticipate working cooperatively with neighboring Hartford area MPO, and with the State to develop an effective analytic and institutional approach to freight planning. This will include developing a way to assure private sector involvement. 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

PROPOSED ACTIVITIES:

1. Develop a profile of the freight transport system in the Springfield metropolitan area. Expected completion date of Fall, 2005.

2. Through consultation with freight users and suppliers identify important regional freight issues. Expected completion date – Winter 2005/2006.
3. Seek to establish a Regional Community Advisory board for the Commonwealth owned Ware River Secondary Track. Ongoing task.
4. Assist freight users and suppliers in seeking public sector support for projects that promote regional economic development. Ongoing task.
5. Participate in FHWA “Talking Freight” web conferences. As needed.
6. Develop a freight metric to be included in the evaluation of projects in the Transportation Improvement Program. Expected completion date – Spring 2006.
7. Produce Data digests on the movement of goods in the Pioneer Valley as well as on freight terminals, facilities and on large freight consumers. Expected completion date – Summer 2006.

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. Identification of key freight issues in the Springfield metropolitan area.
3. Profile of the freight transport system in the Springfield metropolitan area.
4. Freight Data Digests as appropriate.

Source	Budget	Est. Staff Effort
MassHighway PL	\$20,000	12 weeks
TOTAL	\$20,000	12 weeks

Direct Labor	\$ 9,478
Indirect Costs	\$10,522

Task 3.5 Regional Congestion Management System-Project Development

OBJECTIVE:

To continue the advancement of the Congestion Management System (CMS) Work Plan in the Pioneer Valley region to increase safety and maximize the mobility of persons and goods. The results of the CMS will be integrated into the transportation planning and air quality process and will be used to develop the RTP and TIP.

PREVIOUS WORK:

1. Outer Belt Transportation Study - Springfield
2. CMS Annual Reports for the Pioneer Valley.
3. Assisted MassHighway with the Connecticut River Crossing Transportation Study.
4. Route 32 Study – Ware
5. Route 5 study – Longmeadow
6. Center Street Traffic Study - Ludlow

PROPOSED ACTIVITIES:

1. Work with communities, the Pioneer Valley Transit Authority (PVTa), the MassHighway, and other appropriate agencies to develop strategies to mitigate congestion problems and increase safety through appropriate means.

2. Revise the Regional Transportation Model as necessary for improved CMS problem identification and strategy alternative testing.
3. Solicit public participation in CMS activities.
4. Perform travel time data collection for locations with recently completed improvement project. Develop an analysis methodology to compare travel times before and after the completion of transportation improvements to gage the effectiveness on decreasing congestion. Update the regional listing of congested locations as appropriate based upon changes in travel time data.
5. Work with the Massachusetts Turnpike, MassHighway and the Town of Palmer to address the need for a new park and ride lot.
6. Develop a transportation study along a congested corridor in conjunction with a local community and the Pioneer Valley JTC. Collect appropriate data to identify existing transportation deficiencies and develop short and long term recommendations to improve congestion and safety. Candidate study locations include:
 - a) The intersection of Route 57 with Routes 10/202 in the Town of Southwick. This area experiences peak hour congestion and safety issues that are exacerbated by a high concentration of private site drives over a short distance. PVPC staff will perform data collection as required and develop recommendations to improve traffic flow through this area.
 - b) SABIS School Study – Springfield. This school is served by two major intersections – Parker Street with Mallow Hill Road and Wilbraham Road with Glen Oak. Both intersections will studied to identify recommendations to improve pedestrian and vehicular access to the school while minimizing the impact on the existing 16 Acres neighborhood.
7. Finalize a study of existing transportation and safety conditions along portions of Amostown Road, Pease Avenue and Morgan Road in the Town of West Springfield. These roadways connect Route 20 with Route 5 and provide secondary access to retail development along the Route 5 corridor, Massachusetts Turnpike Exit #4 and the Holyoke Mall. Data collection and preliminary analysis for this study began as part of the FY2005 UPWP. The PVPC is in the process of analyzing major intersections along this route and developing recommendations to improve traffic flow in the study area.
8. Update the Congestion Management System Report for the Pioneer Valley MPO.

PRODUCTS:

1. Monthly status reports to MassHighway as part of the routine invoicing.
2. CMS Annual Report updates to MassHighway.
3. Traffic studies, analyses, and/or recommendations as discussed above.

Source	Budget	Est. Staff Effort
MassHighway PL	\$70,000	44 weeks
PVTA S. 5307	\$ 2,500	<u>2 weeks</u>
TOTAL	\$72,500	46 weeks

Direct Labor	\$34,360
Indirect Costs	\$38,140

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 task will develop recommendations for roadway improvement projects that could be included as part of a future Transportation Improvement Program (TIP).

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. Pavement Condition work maps on federal aid eligible roadways for all PVPC communities.

PROPOSED ACTIVITIES:

1. Continue efforts to rejuvenate the pavement management users group (PMUG). Attend regular meetings of PMUG.
2. Work with MHD pavement section to start developing a uniform and consistent criteria to manage and share pavement distress data on the federal-aid eligible roadways. Ongoing task.
3. Analysis of roadway segment conditions collected under Task 2.6 Regional Pavement Management–Data Collection, including the calculation of Pavement Condition Index ratings and benefit/cost ratio analyses for the communities of Chicopee, Holyoke, and Springfield. Expected completion date of August, 2006.
4. Develop a Pavement Condition Index rating for proposed projects included as part of the Transportation Improvement Program for use in the project evaluation process. Expected completion date of May, 2006.
5. Assist in the prioritization of pavement projects included as part of the Pioneer Valley TIP. Expected completion date of May, 2006.
6. Provide municipalities with condition and analysis information as available. Ongoing task.
7. Update the PVPC Road Manager database to include the new segment identification numbers in the roadway inventory file. Expected completion date of Summer 2006.

PRODUCTS:

1. Monthly status reports to MassHighway.
2. Pavement condition work maps on each community’s surveyed federal aid eligible roadways.
3. Regional PMS activity report.

Source	Budget	Est. Staff Effort
MassHighway PL	\$20,000	12 weeks
TOTAL	\$20,000	12 weeks

Direct Labor	\$ 9,478
Indirect Costs	\$10,522

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 five 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.
2. Continued to coordinate design/engineering work for Chicopee Riverwalk, Connecticut Riverwalk in Chicopee, Holyoke Canalwalk, West Springfield Riverwalk and Agawam Bikeway Loop.
3. Established and citizen advisory committees and coordinated meetings for each of the above 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 on an ongoing basis. (*Schedule: ongoing*).
3. Assist communities in completing local Riverwalk and Canalwalk project requirements, including securing control of project right-of-way. (*Schedule: ongoing*).
4. Provide information to the general public about the Riverwalk, through development of a Riverwalk brochure, and a signboard for posting in Riverwalk kiosks. (*Schedule: May, 2006 for brochure, November, 2005 for kiosk*).
5. Assist communities in moving to active management phase of Connecticut River Walk and Bikeway, as segments complete construction and are opened to public use, including developing plans for policing, long-term maintenance and increased parking. (*Schedule: ongoing*).
6. Develop a long-term maintenance plan and intergovernmental Memorandum of Agreement for the Connecticut River Walk. (*Schedule: Fall, 2005*).
7. Work with community officials to develop activities to promote public use of the completed Riverwalk facilities. (*Schedule: Fall, 2005*).
8. Develop a broad public support network for River Walk, including bicyclists, landowners, businesses, residents. (*Schedule: May, 2006*)

PRODUCTS:

1. Bikeways Advisory Committee meetings and activities, as needed.
2. Public support network;
3. Technical assistance to communities.
4. Public information materials and meetings.
5. Long-term maintenance plan for River Walk.
6. Riverwalk Brochure

Source	Budget	Est. Staff Effort
MassHighway PL	\$10,000	7 weeks
TOTAL	\$10,000	7 weeks

Direct Labor	\$ 4,739
Indirect Costs	\$ 5,261

Task 3.8 Regional Safety and Planning Studies

OBJECTIVE:

To provide comprehensive roadway planning services for the constituent communities of the Pioneer Valley Planning Commission. To conduct roadway planning activities and analyses for upcoming projects that are regionally significant, experience safety problems, or involve more than one community. All studies recommend short and long term improvements and place a strong emphasis on maintaining a safe and efficient regional transportation system.

PREVIOUS WORK:

1. Northampton Transportation Plan.
2. Maple and High Streets Traffic Flow Study – Holyoke.
3. Hampden County House of Correction Parking Study.
4. West Springfield Parking Study
5. FY2004 Safety Studies – 3 locations.
6. Feeding Hills Center Safety Study – Agawam
7. Florence Road at Burts Pit Road Safety Study – Northampton
8. Boston and Maine Railroad Bridge Safety Study – Northampton
9. West Street at Pantry Road Safety Study – Hatfield

PROPOSED ACTIVITIES:

1. Utilize MassHighway's most recent list of high crash locations to identify at least three locations for potential safety studies in FY 2006. Preference will be given to locations that appear on the MassHighway list that have not been recently studied and do not have a pending improvement project. Reports will be completed for each location and recommendations developed to assist in advanced improvement projects as part of the Transportation Improvement Program. Candidate locations include:
 - a) I-291 Exit 6 off ramp at Shawinigan Drive – Chicopee. This three-way unsignalized intersection experiences severe peak hour congestion. A traffic signal warrant analysis will be performed and recommendations such as the construction of exclusive turn lanes will be proposed to increase safety in this area.
 - b) Route 141 in Easthampton and Holyoke. Research will be performed on a number of recent crashes that have occurred along this corridor. Problem intersections will be identified and appropriate recommendations developed to improve safety in this area. Vehicle Class and speed data will be collected along Mountain Road.

- c) Perform a study at the intersection of Main Street with Jackson Street in the City of Holyoke. Staff will collect data and examine the crash history of this intersection to determine if protected left turn phasing could improve traffic operations at the intersection.
2. Perform a study of the regions existing at-grade rail crossings. Collect data to identify the existing weekday traffic volume in the vicinity of each crossing. Develop a database of existing warning devices provided at each crossing and make appropriate recommendations to increase safety. Traffic counting is anticipated to be an ongoing task over the FFY 2006 year. The anticipated completion date of the database is the Winter of 2006.
3. Develop a workshop in conjunction with MassHighway and MassSAFE for local safety personnel on how to properly fill out the state crash forms. Anticipated to be held in late Fall of 2005.
4. Assist MassHighway in their involvement with the American Association of State Highway and Transportation Officials (AASHTO) on the Strategic Highway Safety Plan to reduce highway fatalities. Work as part of the Lead State Initiative Project to examine roadway departure crash data and investigate strategies aimed at alleviating problem areas. Ongoing task.
5. Develop Data Digests on historical crash and injury data trends in the region. Anticipated completion date of the Summer of 2006.
6. Perform a parking study for downtown Huntington. Anticipated completion date of November, 2005.
7. Perform traffic calming and truck exclusion route studies as requested by member communities. As necessary.

PRODUCTS:

1. Downtown Huntington Parking Study.
2. Crash Form Workshop.
3. At-grade Rail Crossing Database
4. Main Street at Jackson Street Safety Study. Anticipated completion date of Spring 2006.
5. Route 141 Safety Study. Anticipated completion date of Summer 2006.
6. I-291 Exit 6 at Shawinigan Drive Safety Study. Anticipated completion date of Summer 2006.

Source	Budget	Est. Staff Effort
MassHighway PL	\$64,000	40 weeks
FTA S. 5303	\$ 4,500	3 weeks
TOTAL	\$68,500	43 weeks

Direct Labor	\$32,464
Indirect Costs	\$36,036

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. Mohawk Trail Traveler Information System Working Committee.
3. Route 9 ATMS Steering Committee.
4. Connecticut River Crossing Study Steering Committee
5. Western Massachusetts ITS Architecture Steering Committee.
6. I-91 Corridor ITS Steering Committee.
7. Preliminary Traffic Signal Database.
8. PVTA ITS System Architecture and Deployment Plan.
9. PVTA Integrated Transit Management System Functional Specifications.

PROPOSED ACTIVITIES:

1. Serve as a member on ITS Project Steering Committees for the I-91 corridor and other regional ITS projects. As needed.
2. Convene Meetings and provide technical support for the I-91 Incident Management Coalition. Ongoing task.
3. Work with communities to incorporate the FHWA ITS National Architecture into future improvement projects. Ongoing task.
4. Work with regional stakeholders such as MassHighway, PVPC, FRCOG, PVTA, UMass RTIC, the Economic Development Council (EDC), representatives from local government, and representatives from the tourism industry to coordinate current ITS efforts in the region and insure against unnecessary duplication of services. Obtain project updates from regional stakeholders to assist in the prioritization of future ITS needs for the region. Anticipated completion date of Spring 2006 to coincide with the Update to the Regional Transportation Plan.
5. Continue efforts to develop an inventory of all state and locally maintained traffic signals in the Pioneer Valley Region. This task will continue the work started in FFY 2005 and focused on developing a regional map of state and locally maintained traffic signals. In FFY 2006, an emphasis will be placed on obtaining local signal timing and phasing data to be incorporated into the database.
6. Certify TIP project compliance with the Western Massachusetts Regional Architecture. Ongoing task as needed.
7. Assist the PVTA in implementation of their ITS Deployment Plan. Ongoing task. Chair the PVTA ITS Committee and assist in the Vendor/Supplier selection process. Meetings will be convened as necessary.

PRODUCTS:

1. Recommendations and comments as necessary as part of Steering Committee activities.
2. Management, Operations, and Technology Task Force committee members list, MOU, and related products.
3. Technical Memoranda and reports as appropriate.
4. Updated regional traffic signal database. Estimated completion date of Summer 2006.
5. RFP for Integrated Transit Management System. Expected by Fall of 2005.
6. Regional Map of Traffic Signals. Summer of 2006.

Source	Budget	Est. Staff Effort
MassHighway PL	\$21,000	13 weeks
PVTA S. 5307	<u>\$12,500</u>	<u>8 weeks</u>
TOTAL	\$33,500	21 weeks

Direct Labor	\$15,877
Indirect Costs	\$17,623

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 for the Pioneer Valley Transit Authority and its member municipalities. To conduct transit route studies, organizational and management analyses, market surveys and operational analyses as needed to improve system efficiency and respond to changes in the user market.

PREVIOUS WORK:

1. PVTA 2003, 2004, 2005 System Modifications
2. PVTA Public Meeting Surveys 2004, 2005
3. Organizational and planning support to the PVTA
4. Participation in PVTA ITS Steering committee
5. PVTA schedules
6. Hasbro Corp(East Longmeadow) Employee Travel Survey

PROPOSED ACTIVITIES:

1. Conduct studies of PVTA routes to identify opportunities for improved or more efficient service, including conducting and analyzing on-board surveys, developing route planning guidelines for comparisons of costs, service levels, and performance of routes, and monitoring the quality of existing and experimental transit service.
 - a) Perform appropriate analysis of the Chicopee, Holyoke and Westfield Community Routes and develop recommendations to improve transit service.
2. Review and analyze land use and development issues as they pertain to existing or future transit services and facilities, and identify new and potential trip generators, including new employment locations, retail centers, and housing developments. Assess potential improvements for bicyclist and pedestrian access to transit stops.
3. Review and analyze suggested transit service changes as requested by the PVTA member communities and staff, and by non-PVTA communities in the region. Develop short-range recommendations for consideration by the PVTA and affected communities. Assist as needed in the research and analysis of service requests submitted to the PVTA route committee.
4. Provide assistance to the PVTA on request in support of PVTA operations and management. Conduct requested cost studies, contractor performance analyses, consultant evaluations and other management studies. Assist PVTA in the system wide analysis of their operations, the market they serve and the needs of their passengers and other stakeholders.
5. Obtain and adapt relevant software for use as needed, including the development of database or GIS for specific projects, in consultation with the PVTA.
6. Participate in PVTA organized focus group meetings.
7. Assist PVTA in the research of system safety improvements. Create a procedure for PVTA and its operators to track safety incidents.
8. Continue to assist the PVTA in developing new transportation programs in response to Welfare reform initiatives, including the

- Access to Jobs Program and the Job Access and Reverse Commute Program.
9. Assist the PVTA in the development of the Transit Enhancement Program. With the input of member communities, the public and PVTA identify projects for the enhancement program.
 10. Provide GIS Data development to support PVTA fixed route scheduling and information software systems.
 11. Revise/update PVTA schedules twice annually for Summer and Fall service changes.
 12. Assist PVTA in the implementation of a new fixed route scheduling and information software system.
 13. Assist PVTA in their efforts to redevelop the Union Station project into a new Regional Intermodal Transportation Center as well as other intermodal projects such as those proposed for Holyoke and Westfield.
 14. Assist PVTA and its fixed route operators in developing a new operating plan for routes which will serve the various Intermodal Centers and major transfer points.
 15. Assist PVTA in updating new service request guidelines.
 16. Work with PVTA, FRTA, CDOT and CRCOG to address issues studies and proposals for cross-region and cross-border services.

PRODUCTS:

1. Reports and memoranda describing technical assistance provided to PVTA and its member communities.
2. Summary materials furnished to PVTA in support of operations and management, including periodic management studies, consultant ratings, on-board surveys and analyses, etc.
3. Reports for a series of route ridership surveys.
4. Informational material to assist PVTA customers in using the service, including schedules, stop locations, and attraction information.
5. Digital data needed for schedule, paratransit and information software systems.
6. Assist in the implementation of new routes and services.
7. Revised PVTA schedules

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 60,704	38 weeks
PVTA S. 5307	\$ 83,125	55 weeks
TOTAL	\$143,829	93 weeks

Direct Labor	\$ 68,165
Indirect Costs	\$ 75,664

Task 4.2 Paratransit Planning Assistance

OBJECTIVE:

To continue to plan for the provision of special transportation services for the elderly and disabled. To provide technical assistance to the PVTA, the communities, human service agencies, private sector entities and other parties involved in meeting special transportation needs. To formulate strategies to encourage increased coordination of special services. To fulfill the planning and programming requirements of the US DOT Section 504 regulations and other planning requirements under the Americans with Disabilities Act, which became law in 1990.

PREVIOUS WORK:

1. Annual coordination and technical assistance to organizations seeking capital grants under FTA Section 5311 and the State Mobility Assistance Program.
2. Development of a regional disabled database.
3. Development of the ADA Complementary Paratransit Plan.
4. Development of a searchable database to identify eligible paratransit service locations.

PROPOSED ACTIVITIES:

1. Assist the Pioneer Valley Transit Authority (PVRTA) in continuing to plan for actions that are needed to comply with regulations promulgated under the Americans with Disabilities Act; including the evaluation of the operating policies, setting up of a public participation program, survey analysis of recent operational consolidations, and operational analysis of individual paratransit operations as needed.
2. Provide technical and administrative support to the Joint Transportation Committee on mobility issues and problems of relevance to elderly and disabled persons.
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 PVRTA in the implementation of paratransit scheduling and information software systems.
5. Participate in the cost/benefit analysis of paratransit operations including a Before and After analysis of new paratransit software implementation.
6. Develop and conduct an ongoing assessment of passenger satisfaction of PVRTA's Paratransit service. These surveys will provide PVRTA with benchmarks of customer satisfaction, quality of service, customer needs and concerns.

PRODUCTS:

1. Memoranda and reports concerning special transportation services as well as paratransit service studies.
2. Technical assistance to applicants for FTA Section 16(b)(2) and State Mobility Assistance Awards.
3. Deliver PVPC created digital data needed for schedule, paratransit and information software systems.
4. Paratransit service assessment results.
5. FY 2006 Paratransit Survey
6. Paratransit software implementation analysis.

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 6,250	4 weeks
PVRTA S. 5307	\$ 3,750	2 weeks
TOTAL	\$10,000	6 weeks

Direct Labor	\$ 4,739
Indirect Costs	\$ 5,261

Task 4.3 Implementing the Regional Land Use Plan

OBJECTIVE:

The objective of this task is to update and continue to implement "Valley Vision, the Regional Land Use Plan for the Pioneer Valley" region, which: 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 Phase One of the update to Valley Vision 2, the new Regional Land Use Plan for the Pioneer Valley.
2. Development of a Regional Greenways Plan.
3. Technical assistance to implement smart growth strategies in Hadley, Easthampton, Westfield, Palmer, Chesterfield, Amherst.

PROPOSED ACTIVITIES:

1. Complete Phase Two of a major update of Valley Vision, the Regional Land Use Plan for the Pioneer Valley. The update will include integrating recommendations and mapping from the Executive Order 418 Community Development Plans completed for 32 Pioneer Valley communities. The update will also integrate the Regional Greenways Plan, document success stories from the 1997 Valley Vision plan, include pilot projects for smart growth, and include a process for plan adoption and promoting local consistency.
2. Identify 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:
 - a) Commercial highway corridor development standards and controls (Route 9, Route 10/202, other corridors);
 - b) Holyoke Range upland zoning controls;
 - c) Traditional neighborhood developments;
 - d) Mixed use village centers;
 - e) Cluster or creative development bylaws;
 - f) Transfer of development rights bylaws;
 - g) Inclusionary housing bylaws;
 - h) Rural business centers or shopping center redevelopment
3. 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. Final Report - Valley Vision, the Regional Land Use Plan.
2. Summary of assistance provided to communities to implement strategies from Valley Vision.

Source	Budget	Est. Staff Effort
MassHighway PL	\$37,437	21 weeks
TOTAL	\$37,437	21 weeks

Direct Labor	\$17,742
Indirect Costs	\$19,695
Direct Costs	\$ 3,000

Task 4.4 Regional Bicycle and Pedestrian Planning

OBJECTIVE:

To assist area communities and local non-motorized advocacy groups to develop non-motorized facilities specified in the Bicycle and Pedestrian Plan by providing technical assistance and planning that supports these projects and activities. To implement the goals and objectives of the PVPC Regional Bicycle and Pedestrian Plan.

PREVIOUS WORK:

1. Bicycle Level of Service Model for Amherst, Northampton, and East Longmeadow, Holyoke and Westfield.
2. Pioneer Valley Region Latent Demand Model of Bicycle Trips for Northampton, Easthampton, and Amherst.
3. Provide technical assistance to area communities to develop and/or implement programs to improve conditions for pedestrians and bicyclists.
4. Provide technical assistance to area communities to facilitate changes to existing bylaws to create environments that promote walking and biking.
5. Re-activation of the PVPC non-motorized transportation committee and revisited membership and participation. .
6. Developed model bicycle parking bylaws.
7. Facilitated Training for Planners on Pedestrian and Bicycle Accommodations.
8. Assisted in the coordination for the Massachusetts Statewide Bicycle and Pedestrian Conference.
9. Pioneer Valley Bike Commute Week – 1996 – 2005.
10. Presented sessions at the Massachusetts Statewide Bicycle and Pedestrian Conference and the New England APA conference.

PROPOSED ACTIVITIES:

1. Facilitate public involvement in the revision of the 1998 Regional Bicycle and Pedestrian Plan in coordination with the Joint Transportation Committee's Bicycle and Pedestrian Sub-committee.
2. Provide technical assistance to area communities to develop and/or implement programs to improve conditions for pedestrians and bicyclists and provide connections to existing PVTA services. Provide reference information to local communities on bicycle and pedestrian related projects and programs
3. PVPC will coordinate with MAPC representatives on the MHD revision of the Statewide Bicycle Plan.
4. Facilitate the 7th annual Pioneer Valley Bike Commute Week in collaboration with MassBike and area communities.
5. Review and comment on proposed changes to the MassHighway Design Manual as they pertain to bicycle and pedestrian accommodations.
6. Distribute the bicycle map for the Pioneer Valley region.
7. Inventory bicycle parking racks and "Share the Road" signs for various locations throughout Hampshire, and Hampden counties, distribute "how-to" videos for municipalities
8. Distribute print based media/publicity tools to encourage and promote the use of bicycles as well as inform motorists and cyclists about safety and the rules of the road in the Connecticut River Valley. The print publicity tools will be developed for, and distributed throughout, Hampshire, Hampden, and Franklin counties. The PVPC will coordinate the work, but promotional materials will be developed in coordination with the FRCOG.
9. Facilitate local efforts to implement traffic calming in areas of high pedestrian traffic.

10. PVPC staff will review highway projects that significantly impact bicycle and pedestrian modes of travel, including projects identified in the Regional Bicycle and Pedestrian Plan.
11. Continue support for the activities of the Joint Transportation Committee's Bicycle and Pedestrian subcommittee including providing updates on revisions to the MassHighway Design Manual and Statewide Bicycle Plan.
12. Perform bicycle and pedestrian counts along the Norwottuck Trail, Springfield Riverwalk, Northampton Bikepath and other multi-use facilities to establish peak hours of use and seasonal fluctuations.
13. Develop "best case" design scenarios for bikepaths. Staff will research standard details for bicycle path cross sections, railing design and identify loop detector design, root barrier guidelines and distribute this information as a resource for project proponents.

PRODUCTS:

1. A 2006 update to the Regional Bicycle and Pedestrian Plan.
2. Bicycle path volume counts.
3. Inventory of share the road signs and bike racks by community.
4. JTC Bicycle Advisory Committee meeting minutes and notices.
5. Status reports on Regional Bicycle and Pedestrian Plan efforts.
6. 7th annual Pioneer Valley Bike Commute Week.

Source	Budget	Est. Staff Effort
MassHighway PL	\$44,632	27 weeks
TOTAL	\$44,632	27 weeks

Direct Labor	\$21,152
Indirect Costs	\$23,480

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.

PREVIOUS WORK:

1. Traffic Signal Warrant Analysis, Ludlow
2. Data collection activities at the request of local communities.
3. Reviews of all MEPA documents filed in the Pioneer Valley Region.
4. Developed a brochure for the City of Northampton on transit.
5. Model sidewalk ordinances.
6. East Longmeadow Town Center Project
7. Collected volume data for the City of Northampton on the Northampton Bikepath.

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 PVTA and member communities to assure understanding of transit options in the region.
7. Organize a speaker series on clean energy and alternatives to imported oil in the Pioneer Valley.
8. Facilitate development of the Pioneer Valley renewable energy strategic plan.
9. Assist with transportation-related research to promote biomass as a renewable energy in the Pioneer Valley.

PRODUCTS:

1. Reports documenting the findings and recommendations of all LTAs.
2. Recommendations and comments as appropriate for the review of MEPA documents.
3. Model bylaws.
4. Public information piece on transit options and how communities can work cooperatively with PVTA to promote transit.
5. "Clean Energy" workshop materials.
6. Pioneer Valley Renewable energy strategic plan materials.
7. Biomass GIS product-showing potential power plant sites and transportation requirements to ship wood or other agricultural fuel to plant.

Source	Budget	Est. Staff Effort
MassHighway PL	\$57,000	30 weeks
TOTAL	\$57,000	30 weeks

Direct Labor	\$26,066
Indirect Costs	\$28,934
Direct Costs	\$ 2,000

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. Agawam Local Pavement Management Report Update.
3. Local Pavement Management Study for Southwick.
4. Local Pavement Management Study for Wilbraham.
5. Pavement Management data collection training for local communities.
6. Local Pavement Management Study for Goshen.

PROPOSED ACTIVITIES:

1. Identify additional rural, suburban, and urban communities interested in conducting pavement management programs.
2. Meet with elected officials, highway superintendents, and/or public works directors from the selected communities such as Hadley, Ludlow, Southwick, and Ware to explain the program and to coordinate activities.
3. Document the efforts undertaken and review the results with officials from the selected municipalities.
4. Conduct training sessions for local highway department personnel on the pavement management process and educate them in identification of pavement distresses and data recording techniques.
5. Monitor progress in each community to allow for updating of resource data for continuing pavement management.
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 all new roadways to assist in Mapping.

PRODUCTS:

1. New Municipal Pavement Management Systems.
2. Updates for existing municipal pavement management plans, as requested.

Source	Budget	Est. Staff Effort
Local Funds	\$5,786	6 weeks
TOTAL	\$5,786	6 weeks

Direct Labor	\$2,742
Indirect Costs	\$3,044

Task 4.7 Jacob's Ladder Trail Scenic Byway Project

OBJECTIVE:

The work of Phase IX of this project will continue. Phase IX includes construction, management, and planning activities. Phase X continues for the second year to await a contract with the Executive Office of Transportation. Phase XI is pending award of a Fiscal Year 2005 Scenic Byway Grant..

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.

CURRENT ACTIVITIES:

1. Phase IX
 - a) Prepare a press kit as a strategy of the marketing plan to improve public awareness of the scenic byway. This activity is in progress, however an estimated completion date was not available at the time of publication of the UPWP.

PROPOSED ACTIVITIES:

No work to date has been conducted on the following proposed activities. The PVPC is current in the process of preparing a scope of work and budget at the request of the Executive Office of Transportation to fund these activities. It is anticipated this work will be performed over a two year period. It is also expected to take approximately four months to initiate the contract process.

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	134 weeks
MassHighway Match	\$ 39,800	34 weeks
TOTAL	\$199,000	168 weeks

Direct Labor	\$ 61,137
Indirect Costs	\$ 67,863
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.

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.

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 prioritize scenic byway implementation projects, such as streetscape improvements, acquisition of scenic easements, signage, scenic overlooks, and similar projects.
3. Provide technical assistance to communities in byway project development.

PRODUCTS:

1. Byway Area Committee meetings and activities, as needed.
2. Prioritized listing of proposed scenic byway improvements;
3. Technical assistance to communities in securing scenic byway implementation funding.

Source	Budget	Est. Staff Effort
MassHighway PL	<u>\$3,500</u>	<u>2 weeks</u>
TOTAL	\$3,500	2 weeks

Direct Labor	\$1,659
Indirect Costs	\$1,841

ADDITIONAL PLANNING PROJECTS

Sumner Avenue Express Corridor Project

OBJECTIVE:

The PVTA and the City of Springfield have received TDM funds to establish express transit service between Springfield's 16 Acres section and downtown along the Sumner Avenue corridor. The project will further upgrade traffic signals at 10 intersections along Sumner Ave to allow signal priority by the express buses. PVTA and the City will develop an agreement for implementation and operation of this service. This work is expected to be completed within the 2005 federal fiscal year.

PREVIOUS WORK:

1. Transit Service Concept
2. Development of signal improvements and timing plan

PROPOSED ACTIVITIES:

1. Implement new signal improvements and timing plan
2. Implement enhancements to key stops along the route
3. Implement service and marketing effort

PRODUCTS:

1. Marketing plan
2. Engineering and other work required for the signal improvements

Source	Budget	Est. Staff Effort
TDM funds	\$367,280	30 weeks
Local Match	<u>\$ 91,820</u>	<u>6 weeks</u>
TOTAL	\$459,100	36 weeks

Direct Labor	\$ 21,412
Indirect Costs	\$ 23,768
Direct Costs	\$322,100

Connecticut River/I-91 Corridor Study

PROPOSED SCOPE

This Passenger Rail Study will consider the options for providing improved passenger rail along the "Knowledge Corridor", which encompasses Interstate 91 along the Connecticut River. The Pioneer Valley Planning Commission in partnership with the Pioneer Valley Transit Authority will shortly begin this study contingent on the award of federal funds contained in the FFY 05 transportation bill. This study will provide long term phased implementation strategy for passenger rail service along this corridor. It is intended that this project will build on the existing planning efforts by CDOT for New Haven Hartford Springfield and support implementation of commuter rail service to Springfield. The study will primarily assess the feasibility of rail passenger service between Springfield and White River Junction, Vermont. However due to the interrelated nature of the corridor elements of this project will focus on the entire 186 mile corridor.

PROPOSED ACTIVITIES

1. Assess existing rights-of-way conditions in the corridor between the Massachusetts/Connecticut State Line and White River Junction.
2. Propose Rail service alternatives that may be implemented over time that assess and take advantage of the different travel patterns in this corridor.
3. Develop and refine ridership forecasts for preferred alternatives along the entire 186 mile corridor.
4. Develop a preliminary operating plan which provides for integration with Amtrak and freight rail carriers and that can be used to develop scalable estimates of capital and operating costs.
5. Provide recommendations for the management and governance of development and operations of passenger rail service in this unique Four State multi-jurisdictional corridor.
6. Provide infrastructure needs and operating cost estimates calculated to provide long term useful measures that can be easily updated during future planning and the incremental implementation of the service over time
7. Provide an economic impact analysis for the entire 186 mile corridor as well an assessment of innovative funding strategies which includes the applicability for federal, state and local funding.
8. Develop an actionable strategy for stakeholders to advance preferred alterative for passenger rail service in the entire corridor.

High Speed Rail Project Summary

OBJECTIVE:

In the 2005 transportation appropriation Congress designated that the Boston – Springfield – New Haven as well as the Springfield to Albany corridors be included in the Northern New England High Speed Rail Corridor. Congress further provided funds to study the feasibility of High Speed Rail Service the Boston – Springfield - New Haven Corridor.

The funding agency the Federal Railroad Administration (FRA) recently convened a meeting of the different stakeholders for this project in July. This meeting provided an opportunity to present the federal requirements for the study as well as to discuss the different issues faced by rail service in the corridor, both existing and planned. At the meeting, the Pioneer Valley Planning Commission agreed to serve as the lead agency and project manger for the study

This planning effort provides an opportunity to develop a long term master plan for Passenger Rail in Southern New England. It is the intention that this plan will explore opportunities for passenger rail service and provide a scalable, incremental plan for implementation of new or expanded services. Particular emphasis will be placed on developing an innovative funding strategy as well as looking at the economic impacts that rail service would have on affected communities. The FRA provided the stakeholders with a draft scope which provides the guidance on what is required to meet Federal High Speed Rail Planning Requirements.

FFY 2006 Unified Planning Work Program Funding Profile

	<u>Total</u>	<u>MHD 3C PL</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>FHWA Scenic Byway</u>	<u>TCSP Grant</u>
1.0 Management & Certification of the 3C Process									
1.1 Management of the 3C Process	46,250	30,000		8,000	2,000	5,000	1,250		
1.2 Unified Planning Work Program	6,250	5,000		1,000	250				
1.3 Public Participation Process	32,638	23,263		3,500	875	4,000	1,000		
1.4 TIP Development	46,250	35,000		4,500	1,125	4,500	1,125		
1.5 Statewide Funding Proposal Assistance	6,000	3,500				2,000	500		
1.6 Environmental Justice	28,250	10,000		6,600	1,650	8,000	2,000		
Subtotal of Section 1.0	165,638	106,763		23,600	5,900	23,500	5,875		
2.0 Technical Support & Data Collection									
2.1 Traffic Counting	30,000	30,000							
2.2 Regional Travel Demand Modeling/Clean Air Planning	74,375	60,000		1,500	375	10,000	2,500		
2.3 GIS, Mapping and Graphics	72,675	57,675		7,000	1,750	5,000	1,250		
2.4 Information Center	58,188	56,938		1,000	250		0		
2.5 Regional Congestion Management System - Data Collection	10,000	10,000					0		
2.6 Regional Pavement Management System - Data Collection	20,000	20,000							
Subtotal of Section 2.0	265,238	234,613		9,500	2,375	15,000	3,750		
3.0 RTP Planning									
3.1 Regional Transportation Plan Update	111,500	74,000		10,000	2,500	20,000	5,000		
3.2 Transit System Surveys & Route Implementation	54,834			23,867	5,967	20,000	5,000		
3.3 Merrick/Memorial Neighborhood Plan - Implementation	226,000	10,000							216,000
3.4 Regional Freight Planning	20,000	20,000							
3.5 Regional Congestion Management System - Project Development	72,500	70,000				2,000	500		
3.6 Regional Pavement Management System - Project Development	20,000	20,000							
3.7 Connecticut River Walk & Bikeway Coordination	10,000	10,000							
3.8 Regional Safety and Planning Studies	68,500	64,000		3,600	900				
3.9 Intelligent Transportation Systems (ITS) - Strategic Planning	33,500	21,000				10,000	2,500		
Subtotal of Section 3.0	616,834	289,000	0	37,467	9,367	52,000	13,000	0	216,000
4.0 Ongoing Transportation Planning									
4.1 Regional Transit Planning	143,829			48,563	12,141	66,500	16,625		
4.2 Paratransit Planning Assistance	10,000			5,000	1,250	3,000	750		
4.3 Implementing the Regional Land Use Plan	34,437	34,437							
4.4 Regional Bicycle & Pedestrian Planning	44,632	44,632							
4.5 Local Technical Assistance	55,000	55,000							
4.6 Local Pavement Management Program	5,786		5,786						
4.7 Jacob's Ladder Trail Scenic Byway Project	199,000							199,000	
4.8 Connecticut River Scenic Farm Byway Project	3,500	3,500							
Subtotal of Section 4.0	496,184	137,569	5,786	53,563	13,391	69,500	17,375	199,000	0
MHD 3C Direct Costs	45,000	45,000							
Program Sum	1,588,893	812,945	5,786	124,130	31,033	160,000	40,000	199,000	216,000

*PVTA S. 5303 match is 20% of total program amount only.

**FFY 2006 Unified Planning Work Program
Funding Summary**

Transportation Funding	Value	% of Total
FHWA/MasHighway - PL	\$ 812,945.00	51.16%
FTA/PVTA	\$ 200,000.00	12.59%
FTA/PVPC	\$ 155,163.00	9.77%
Local Funds (includes in-kind contributions)	\$ 5,786.00	0.36%
* FHWA Scenic Byway Funding	\$ 199,000.00	12.52%
** USDOT TCSP Grants	\$ 216,000.00	13.59%
Total	\$ 1,588,894.00	100.00%
Other Funding		
	Value	% of Total
MARPA Support Services	\$ 14,000.00	0.71%
EPA/DEP Water Quality Planning	\$ 36,000.00	1.82%
EPA/DWPC Urban Stormwater Management	\$ 24,000.00	1.21%
Pioneer Valley Water Quality Initiatives	\$ 30,000.00	1.51%
* HUD/CBDG Administration - 2003and 2004 projects	\$ 700,750.00	35.35%
EPA/Local Stormwater Management Planning	\$ 23,000.00	1.16%
Route 9 Construction Mitigation Plan	\$ 28,800.00	1.45%
EOEA Planning Program/MassGIS	\$ 20,800.00	1.05%
* HUD/CDBG Administration - New Projects	\$ 286,750.00	14.47%
Housing Rehab Loan Program Management	\$ 60,000.00	3.03%
EPA/Interstate Watershed Management	\$ 60,950.00	3.07%
Local Service Contracts	\$ 50,600.00	2.55%
FY 2005 Local Assessments	\$ 72,000.00	3.63%
MHC and PVPC Historic Preservation	\$ 49,600.00	2.50%
EPA Brownfields Revolving Loan Fund Management	\$ 26,750.00	1.35%
EOEA Smart Growth Technical Assistance	\$ 43,800.00	2.21%
US/EDA Regional Economic Planning	\$ 85,000.00	4.29%
PVPC Data Center - New Projects	\$ 10,020.00	0.51%
Route 112 Scenic Byway Planning Project	\$ 38,000.00	1.92%
DHCD/Development Regional Affordable Housing Plan	\$ 48,250.00	2.43%
EOPS Homeland Security Planning/GIS Components	\$ 58,000.00	2.93%
MEMA/FEMA Natural Hazards Mitigation Planning	\$ 50,000.00	2.52%
NPS - M&M Trail Feasibility Analysis	\$ 20,500.00	1.03%
Smart Growth Initiative - Valley Vision Update	\$ 50,000.00	2.52%
501 (C) 3 Non Profit Corporation Revenue	\$ 46,200.00	2.33%
DOE/Development of Renewal Energy Plan	\$ 42,000.00	2.12%
Miscellaneous	\$ 6,420.00	0.32%
Total	\$ 1,982,190.00	100.00%

Overall Funding	Value	% of Total
FHWA/MasHighway - PL	\$ 812,945.00	22.76%
FTA/PVTA	\$ 200,000.00	5.60%
FTA/PVPC	\$ 155,163.00	4.34%
Local Funds (includes in-kind contributions)	\$ 5,786.00	0.16%
* FHWA Scenic Byway Funding	\$ 199,000.00	5.57%
** USDOT TCSP Grants	\$ 216,000.00	6.05%
MARPA Support Services	\$ 14,000.00	0.39%
EPA/DEP Water Quality Planning	\$ 36,000.00	1.01%
EPA/DWPC Urban Stormwater Management	\$ 24,000.00	0.67%
Pioneer Valley Water Quality Initiatives	\$ 30,000.00	0.84%
* HUD/CBDG Administration - 2003and 2004 projects	\$ 700,750.00	19.62%
EPA/Local Stormwater Management Planning	\$ 23,000.00	0.64%
Route 9 Construction Mitigation Plan	\$ 28,800.00	0.81%
EOEA Planning Program/MassGIS	\$ 20,800.00	0.58%
* HUD/CDBG Administration - New Projects	\$ 286,750.00	8.03%
Housing Rehab Loan Program Management	\$ 60,000.00	1.68%
EPA/Interstate Watershed Management	\$ 60,950.00	1.71%
Local Service Contracts	\$ 50,600.00	1.42%
FY 2005 Local Assessments	\$ 72,000.00	2.02%
MHC and PVPC Historic Preservation	\$ 49,600.00	1.39%
EPA Brownfields Revolving Loan Fund Management	\$ 26,750.00	0.75%
EOEA Smart Growth Technical Assistance	\$ 43,800.00	1.23%
US/EDA Regional Economic Planning	\$ 85,000.00	2.38%
PVPC Data Center - New Projects	\$ 10,020.00	0.28%
Route 112 Scenic Byway Planning Project	\$ 38,000.00	1.06%
DHCD/Development Regional Affordable Housing Plan	\$ 48,250.00	1.35%
EOPS Homeland Security Planning/GIS Components	\$ 58,000.00	1.62%
MEMA/FEMA Natural Hazards Mitigation Planning	\$ 50,000.00	1.40%
NPS - M&M Trail Feasibility Analysis	\$ 20,500.00	0.57%
Smart Growth Initiative - Valley Vision Update	\$ 50,000.00	1.40%
501 (C) 3 Non Profit Corporation Revenue	\$ 46,200.00	1.29%
DOE/Development of Renewal Energy Plan	\$ 42,000.00	1.18%
Miscellaneous	\$ 6,420.00	0.18%
Total	\$ 3,571,084.00	100.00%

* Denotes Pass-through Funding

** For the City of Springfield and City of West Springfield

CHANGES TO THE DRAFT UPWP

The Draft Unified Planning Work Program for the Pioneer Valley MPO underwent a public review and comment period consistent with the Pioneer Valley Region Public Participation Process. The following changes were made to the Draft document as a result of comments received during the public participation process.

Change	Requested By
Increased funding to \$101,437 for Task 3.1	Office of Transportation Planning
Decreased funding to \$62,500 for Task 3.5	PVPC
Decreased funding to \$175,079 for Task 4.1	PVPC
Added proposed Sabis School study to Task 3.5	City of Springfield
Changed proposed Bobala Road study in Task 3.8 to Main Street at Jackson Street.	City of Holyoke
Updated the FY2006 PL funding total.	Office of Transportation Planning
Added Task 4.9 – Transportation Planning Assistance for the City of Springfield	City of Springfield
Added a proposed parking study for the Town of Huntington to Task 3.8	Town of Huntington
Added a proposed study to look at historical trends in crash data to Task 3.8	PVPC
Added two new proposed task to Task 3.4	PVPC
Added a task to update roadway inventory ID information to Task 3.6	PVPC
Added new tasks and products to Tasks 2.2, 4.1 and 4.2	PVTA
Corrected various typographical errors	MassHighway District 2
Added Amostown Road Study back into Task 3.5	PVPC
Removed Task 4.9 and combined with Task 4.5	Office of Transportation Planning
Added anticipated schedules for all Tasks in Section 3.	FHWA

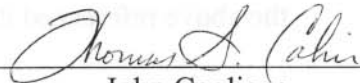
PIONEER VALLEY MPO ENDORSEMENT SHEET

The signatures below signify that all members of the Pioneer Valley Region's Metropolitan Planning Organization, or their designees, have met on August 23, 2005 and discussed the following item for endorsement: : The Pioneer Valley Region's Federal Fiscal Years 2006 Unified Planning Work Program.

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.



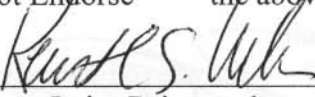
John Cogliano
Secretary - EOT

8/23/05
Date

Massachusetts Highway Department (MHD)

I, Commissioner of the Massachusetts Highway Department, hereby

Endorse Do Not Endorse the above referenced item.



for _____
Luisa Paiewonsky
Commissioner - MHD

8/23/05
Date

Pioneer Valley Planning Commission (PVPC)

I, Chair of the Pioneer Valley Planning Commission, hereby

Endorse Do Not Endorse the above referenced item.


for _____
Henry Barton
Chair - PVPC

8/23/05
Date

Pioneer Valley Transit Authority (PVTA)

I, Vice-Chair of the Pioneer Valley Transit Authority, hereby

Endorse Do Not Endorse the above referenced item.



James St. Amant
Chair - PVTA

8-23-05

Date

City of Holyoke

I, Mayor of the City of Holyoke, hereby

Endorse Do Not Endorse the above referenced item.

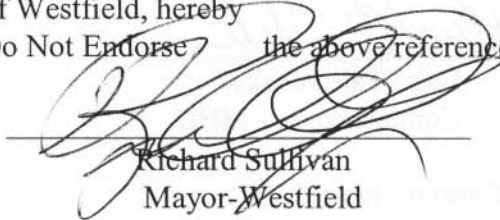
Michael Sullivan
Mayor-Holyoke

Date

City of Westfield

I, Mayor of the City of Westfield, hereby

Endorse Do Not Endorse the above referenced item.


Richard Sullivan
Mayor-Westfield

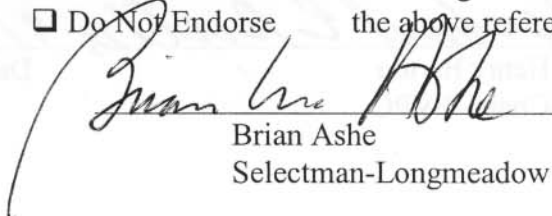
8/23/05

Date

Town of Longmeadow

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

Endorse Do Not Endorse the above referenced item.


Brian Ashe
Selectman-Longmeadow

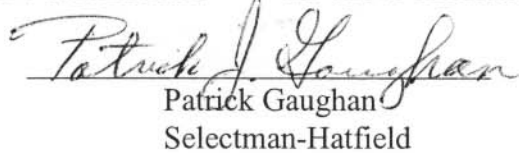
8/23/05

Date

Town of Hatfield

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

Endorse Do Not Endorse the above referenced item.


Patrick Gaughan
Selectman-Hatfield

8/23/05

Date