

Unified Planning Work Program



Fiscal Year 2007

October 1, 2006 to September 30, 2007

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

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Final Document
August, 2006

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 Edward Gibson	Mayor of West Springfield
Brian Ashe	Longmeadow Board of Selectmen
Patrick Gaughan	Hatfield Board of Selectmen
Alternates	
Mayor Charles Ryan	Mayor of Springfield
Mayor Michael Bissonette	Mayor of Chicopee
Mayor Michael Tauznik	Mayor of Easthampton
Roger A. Fuller	Chesterfield Board of Selectmen
Ex-Officio	
Stanley Gee	Federal Highway Administration
Richard Doyle	Federal Transit Administration
James Czach	Chairman – Pioneer Valley Joint Transportation Committee

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 Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), the Clean Air Act Amendments of 1990 (CAAA) and the Americans with Disabilities Act (ADA).

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

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

Funding Source	Fiscal Period:
FHWA/MassHighway	October 1, 2006 through September 30, 2007
FTA/EOT	October 1, 2006 through September 30, 2007
PVTA	July, 2006 through June, 2007
Scenic Byways Program	Various Contract Periods

The Pioneer Valley Metropolitan Planning Organization endorses the 2007 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 1, 2006. 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, 2006 (FFY 2007)	\$11,959,602
Total PL Expenditures as of April 30, 2006	\$10,123,851
Estimated PL Expenditure for Remainder of FFY 2006 UPWP	\$503,014
Current PL Balance (Estimated)	\$1,332,737
Estimated PL Expenditure in FFY 2006 UPWP	\$811,571
Estimated PL Balance as of September 30, 2007	\$521,166

Source: PVPC

A total of \$811,571 in PL funds has been programmed for PVPC's FY2007 Transportation Work Program. Of this \$811,571, \$781,571 is "new" PL funding for FY2007. The remaining \$30,000 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 \$50,000 has been allocated for Direct Costs in FY2007.

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 FY2007 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 August of 2006 to enhance the role of the local communities in the transportation planning process and allow local MPO members to represent subregional districts respective to community size and geographic location. The number of voting members was increased from eight to ten and consists of the following officials or their designee or alternate.

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

Chicopee

Holyoke

Springfield

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

Agawam

Southwick

Westfield

West Springfield

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

Amherst	Easthampton	Hadley
Northampton	South Hadley	

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

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

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

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

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

Pioneer Valley MPO Members

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 Edward Gibson	Mayor of West Springfield
Brian Ashe	Longmeadow Board of Selectmen
Patrick Gaughan	Hatfield Board of Selectmen
Alternates	
Mayor Charles Ryan	Mayor of Springfield
Mayor Michael Bissonette	Mayor of Chicopee
Mayor Michael Tazunik	Mayor of Easthampton
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. The JTC was established by the 3C Memorandum of Understanding for the purpose of incorporating citizen participation in the transportation planning process. It is intended that the JTC be representative of both public and private interests in the region and provide a forum to guide transportation planning activities and transportation improvements in the region. The JTC also serves in an advisory capacity to the MPO as they decide on whether accepting and endorsing a plan or project is appropriate.

Pioneer Valley Joint Transportation Committee Members and Alternates

Community	Member	Alternate
Agawam	John Stone	Georgeanne Hoyman
Amherst	Guilford Mooring	Jason Skeels
Barnes Municipal Airport	Chris Willenborg	
Belchertown	Steven Williams	Gary Brougham/Douglas Albertson
Brimfield	Robert Hanna	
Chester	Tony Mazzaferro	
Chesterfield	Edward Dahill	Matt Smith
Chicopee	Catherine Brown	Steven Frederick
Cummington	Rob Dextraze	
East Longmeadow	David Gromaski	John M. Claffey
Easthampton	Stuart Beckley	James Gracia
Goshen	Joe Dunn	
Granby	David Derosiers	Wayne Tack/Richard Daley
Granville	Doug Roberts	Kathryn Martin
Hadley	Alexandra Dawson	
Hampden	Melissa Reeves	
Hatfield	Jim Reidy	
Holland	Earl Johnson	Brian Johnson
Holyoke	Matt Sokop	Jeffrey Burkott
Huntington	Wayne McKinney	Albert LaFrance
Longmeadow	Mike Wrabel	
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 Neggers
Montgomery	Curtis Bush, Jr.	
Northampton	Wayne Feiden	
Palmer	Richard Kaczmarczyk	Richard Fitzgerald
Pelham	Rick Adamcek	
Peter Pan Bus Lines	Peter Picknelly, Jr.	Robert Schwarz
Pioneer Valley Railroad	Michael Renicki	
Pioneer Valley Transit Authority	Sandra Sheehan	
Plainfield	Charles Waterhouse	
Russell	Mickey Sharkey	Lyle Maxwell
South Hadley	Gregory Kereakoglow	Yem Lip
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 Wasiluk	
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	Linda Rowley	William Turner
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>
Rana Al Jammal	Senior Transportation Planner - Specialist
Timothy Doherty	Senior Transportation Planner - Manager
David Johnson	Transportation Planner I
Amir Kouzehkanani	Senior Transportation Planner – Manager
Andrew McCaul	Transportation Planner II
Jeffrey McCollough	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 FY2007 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
Rana Al Jammal	Senior Transportation Planner	100%
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%
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
Pavement Management Informational Brochure
Springfield Riverwalk User Survey
Update to the Regional Congestion Management System
Center Street Traffic Study – Ludlow
Feeding Hills Center Safety Study – Agawam
Florence Road at Burts Pit Road Safety Study – Northampton
Boston and Maine Railroad Bridge Safety Study – Northampton
West Street at Pantry Road Safety Study – Hatfield
Regional Bike Map Update
Amendment to the 2003 Regional Transportation Plan

STUDIES COMPLETED AS PART OF THE FY 2006 UPWP

Community and Facility Profiles (various)
Local Technical Assistance Requests (various)
Update to Joint Transportation Committee Bylaws
Regional Traffic Count Report Summary: 2001-2005
SABIS School Study – Springfield
Amostown Road and Morgan Road Traffic Study – West Springfield
Connecticut River Walk and Bikeway Brochure
Main Street at Jackson Street Safety Study – Holyoke
Route 141 Safety Study – Easthampton and Holyoke
I-291 Exit 6 off ramp at Shawinigan Drive Safety Study – Chicopee
Downtown Huntington Parking Study
Valley Vision 2
Regional Bicycle and Pedestrian Plan Update
Route 57 intersection study – Southwick
Regional CMS Data Collection Update
MassHighway Crash Data Form Workshop
Merrick/Memorial Truck and Pedestrian Surveys
Palmer Park and Ride Lot Study

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 2007.

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	\$35,000	22 weeks
FTA S.5303	\$15,000	9 weeks
PVTA S.5307	\$ 6,250	4 weeks
TOTAL	\$56,250	35 weeks

Direct Labor	\$26,659
Indirect Costs	\$29,591

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 - 2006.

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 2008)

Source	Budget	Est. Staff Effort
MassHighway PL	\$5,500	3 weeks
FTA S.5303	<u>\$1,250</u>	<u>1 weeks</u>
TOTAL	\$6,750	4 weeks

Direct Labor	\$3,199
Indirect Costs	\$3,551

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 2000-2006.
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 SAFETEA-LU, CAAA, and PVPC activities.
3. Apply new and innovative approaches to improve public participation levels and opportunities, especially for plans and programs.
4. 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.
5. Plan and produce online training modules for the PVPC webpage that focus on transportation issues of regional significance.

PRODUCTS:

1. Meeting minutes.
2. Press releases for TDM, TMA and Enhancement projects.
3. On-line training modules.

Source	Budget	Est. Staff Effort
MassHighway PL	\$23,263	14 weeks
FTA S.5303	\$ 7,500	4 weeks
PVTA S.5307	\$ 5,000	3 weeks
TOTAL	\$35,763	21 weeks

Direct Labor	\$16,949
Indirect Costs	\$18,814

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 – 2006.

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 2007 - 2011 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	\$40,000	25 weeks
FTA S.5303	\$12,500	8 weeks
PVTA S.5307	\$ 7,500	4 weeks
TOTAL	\$60,000	37 weeks

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

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 Rails to Trails Conservancy, Springfield Health Coalition, and the National Parks Service in the creation of the "Springfield Art Walk" along the State Street Corridor in the four neighborhoods comprising Mason Square area of Springfield.
2. 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.
3. PVPC staff attended FHWA training workshops on Title VI. Coordinated a presentation to JTC members regarding Title VI and Environmental Justice.
4. Developed bilingual survey forms for transit surveys.
5. Worked 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. Assisted in coordinating outreach efforts and the development of a brochure designed to promote public awareness and use of the Riverwalk.
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. Updated region-wide databases and GIS maps of Welfare clients.
8. Provided updates to the Plan for Progress Urban Investment Strategy Team regarding transportation planning in the region
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. Inventory of regional Transit Amenities (stops and shelters).
12. Expanded public participation efforts related to the RTP and TIP to target key minority population groups in the region.
13. Updated regional maps using revised Census Data.
14. Re-broadcast Title VI and Environmental Justice program on the PVPC "Region" cable access show.

PROPOSED ACTIVITIES:

1. Conduct regular meeting of the Environmental Justice Transportation Task Force and coordinate participation with the Joint Transportation Committee.
2. Develop bilingual surveys for PVTA and bilingual public notices for the Transportation Improvement Plan and the Unified Planning Work Program to provide increased opportunities for under-served populations to be represented in the public participation process.
3. Explore options for using a Regional Transit Model to analyze the mobility of target area populations to jobs, childcare, and transit routes.

4. Continue to assess proposed transportation investments in the Pioneer Valley region to determine whether low-income and minority communities are receiving a fair allocation of available resources.
5. Continue coordination between PVPC and CRCOG related to Environmental Justice.
6. Review measures of effectiveness regarding implementation of Title VI.
7. Develop a protocol for responding to issues and concerns regarding Title VI.
8. Provide an update to the Pioneer Valley Joint Transportation Committee Regarding Title VI reports.
9. "Springfield Walks" - 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 in the four neighborhoods comprising the Merrick section of West Springfield.

PRODUCTS:

1. Meeting minutes and notices for the PVPC Environmental Justice Transportation Task Force.
2. Volume Counts for the Springfield Riverwalk.
3. Staff attendance at Environmental Justice training workshops as needed.

Source	Budget	Est. Staff Effort
MassHighway PL	\$10,000	6 weeks
FTA S.5307	\$10,000	6 weeks
FTA S.5303	\$ 9,375	6 weeks
TOTAL	\$29,375	18 weeks

Direct Labor	\$13,922
Indirect Costs	\$15,453

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 - 2006.
2. Traffic count library and database at PVPC.
3. Highway Performance Monitoring System (HPMS) data collection and analysis.
4. Regional Traffic Counts, 2001 – 2005.

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. Collect bicycle and pedestrian volumes at pre-determined locations.
8. Continue to advance efforts to incorporate the PVPC 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.

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. Memorandum on quantitative and qualitative evaluation criteria for TIP projects funded under the CMAQ program.
9. Developed links with PVPC Traffic database for future calibration.
10. Position paper on the impact of converting the regional model from external stations to external zones.
11. VMT Estimates for communities of Chicopee, Holyoke and Northampton.

PROPOSED ACTIVITIES:

1. Upgrade the PVPC’s travel demand model to the latest road inventory file.
2. Work with the Office of Transportation Planning to provide updated information on non-exempt regional projects for inclusion in the statewide model.
3. Perform air quality conformity determinations as necessary for TIP projects to be funded under the Congestion Mitigation and Air Quality (CMAQ) program and potential projects applying for funding under the Transportation Demand Management (TDM) program.
4. Develop Community links within model in order to estimate community effects of transportation improvement projects.
5. Continue to provide supporting data from the model to communities and MassHighway.
6. Continue to refine the regional transportation model to incorporate modeling efforts of surrounding RPAs such as the Capital Region Council of Governments (CRCOG).

PRODUCTS:

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

Source	Budget	Est. Staff Effort
MassHighway PL	\$60,000	38 weeks
FTA S. 5303	\$ 4,375	2 weeks
PVTA S. 5307	<u>\$ 9,375</u>	<u>6 weeks</u>
TOTAL	\$73,750	46 weeks

Direct Labor	\$34,952
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Indirect Costs	\$38,798
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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 PVTA 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, updated municipal zoning, municipal infrastructure, land use, parcel, and protected open space data.
3. Developed, enhanced, and maintained several spatial data layers to support transportation-related projects, including: functional classification of roads, traffic count locations, congestion management, parking facilities, signalization, pavement conditions, regional bicycle and pedestrian infrastructure, 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. Updated the regional bicycling map, through analyses to roadway criteria employed in the Federal Highway Administration Bicycle Suitability Analysis rating system.
6. Expanded GIS archives to support GIS State Data Library and promote access to data among Western Massachusetts users.
7. Provided Pictometry training and ongoing support for municipal officials and distributed software and data to 36 communities and water districts.
8. Continued support of Western Massachusetts GIS User group, and coordinated periodic training sessions and forums to promote GIS in the Pioneer Valley region.
9. 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 data collection protocol, and conformance to map design that can be applied to all GIS products.
2. Pursue the use of GIS and other automated mapping and spatial analytical technologies for transportation applications. Enhance existing digital base map data and develop geographically referenced data layers for use in transit service analysis, regional land use & smart growth planning activities, air quality impact, critical

- infrastructure assessment, public works and pavement management, and transportation system planning.
3. Continue 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 and federal standards and support development to Homeland Security and Pre-disaster mitigation spatial data for western Massachusetts.
 7. Work with PVPC staff to assimilate state and federal data and data structure (i.e., road centerline/road inventory) into the Commission's database and analytic modeling programs.
 8. Upgrade GIS system and provide enhancements to the PVPC office network and web capacity to improve access and use of GIS data/analysis and map products.
 9. Strengthen role as regional GIS Service Center, designed to promote development of statewide GIS and related technologies; improve public access to digital data; provide technical support to municipalities interested in developing and employing GIS; and become a regional repository for the Massachusetts Data Library.
 10. Promote the agency and its efforts to resolve regional issues through published materials, thematic maps, distribution of information over the worldwide web, and educational multi-media presentations.

PRODUCTS:

1. Development of new and enhanced digital data layers.
2. Update to municipal planimetric base maps as necessary.
3. Transportation systems facility and planning maps.
4. Expand, update and maintain the GIS website.
5. Design and publish series of maps and reports focusing on transportation planning issues, 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 disaster planning).
7. Update centerline/road inventory and functionally classified roads.

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
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Indirect Costs	\$38,232
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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 to support transportation planning activities, 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. Prepared numerous maps of block group socio-economic data from Census 2000.
6. Inventory of major employers in the region.
7. Study of employers in the region with a focus on small businesses and economic clusters.
8. Made more data available through PVPC's website, including economic indicators, population estimates, reports, and community profiles.
9. Conducted detailed fiscal and ridership analyses in support of the Pioneer Valley Transit Authority (PVRTA).

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.
4. Regional Park and Ride Lot data collection.

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	\$12,000	8 weeks
TOTAL	\$12,000	8 weeks

Direct Labor	\$5,687
Indirect Costs	\$6313

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 as well as the update to the RTP.
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	\$22,000	14 weeks
TOTAL	\$22,000	14 weeks

Direct Labor	\$10,426
Indirect Costs	\$11,574

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:

The Pioneer Valley Regional Transportation Plan (RTP) outlines the direction of transportation planning and improvements for the Pioneer Valley through the year 2030. This task will continue efforts to update the current RTP (last published in 2003) to conform to the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFTEA-LU) legislation. Work under this task will consist of the completion of the Draft RTP, the solicitation of public comments and finalization of the RTP for endorsement by the Pioneer Valley Metropolitan Planning Organization (MPO).

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. Finalize the RTP to incorporate comments received during the public participation process.

PRODUCTS:

1. Draft RTP to Office of Transportation Planning – October 30, 2006.
2. Draft RTP for JTC and MPO review – December, 2006.
3. Public Participation – January/February, 2007.
4. Final Draft RTP transmitted to MPO – February, 2007
5. RTP Submission to FHWA and FTA – June, 2007

Source	Budget	Est. Staff Effort
MassHighway PL	\$ 47,500	30 weeks
FTA S. 5303	\$ 11,250	7 weeks
PVTA S. 5307	\$ 9,375	6 weeks
TOTAL	\$68,125	43 weeks

Direct Labor	\$32,287
Indirect Costs	\$35,838

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. Hasbro Inc. Employee Survey
2. MassMutual Employee Survey
3. PVTA Route B7 Passenger Survey
4. PVTA Route R22 & G19 Passenger Survey

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.
3. Work with PVTA to survey routes in Springfield Based System.
4. Analyze the results of the on-board surveys to determine characteristics of average users and develop recommendations to PVTA to consider for implementation.

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	\$43,750	27 weeks
PVTA S. 5307	\$33,125	21 weeks
TOTAL	\$76,875	48 weeks

Direct Labor	\$36,434
Indirect Costs	\$40,441

Task 3.3 Roadway Functional Classification Updates

OBJECTIVE:

To continue efforts undertaken as part of the FFY2005 UPWP to update the existing functionally classified roadway network in the Pioneer Valley region. This task will finalize efforts to develop a new functional classification scheme to account for changes in the existing system and maintain a comprehensive and continuous network of functionally classified roadways in the region.

PREVIOUS WORK:

1. 1992 – 1993 changes to the Federal Functional Classification system.
2. 2000 Census updates to the urbanized area for metropolitan Springfield.
3. Roadway Inventory/Functional Classification Workshop.
4. Identification of errors in the existing regional network of functionally classified roadways.
5. Identification of road closures/restrictions for security reasons on the existing regional network of functionally classified roadways.

PROPOSED ACTIVITIES:

1. Develop a map of all affected functionally classified roadways in the PVPC region.

2. Work with local communities to obtain support for proposed changes to the functional classification system.
3. Obtain endorsement of the Pioneer Valley MPO for proposed changes to the functional classification system.
4. Update the regional GIS database to reflect all changes to the roadway network.
5. Report changes to the Executive Office of Transportation and MassHighway for incorporation into the Statewide database.

PRODUCTS:

1. Regional Map of proposed changes.
2. Updated GIS database for the PVPC region.
3. Documentation to support changes to the existing functional classification scheme.

Source	Budget	Est. Staff Effort
MassHighway PL	\$13,500	8 weeks
TOTAL*	\$13,500	8 weeks

Direct Labor	\$ 6,398
Indirect Costs	\$ 7,102

Task 3.4 Regional Freight Planning

OBJECTIVE:

PVPC will continue freight transport planning program in FY 2007. 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. Through consultation with freight users and suppliers identify important regional freight issues. Expected completion date – Winter 2006/2007.
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 2007.

7. Work with Freight Providers in the Town of Palmer to develop a Feasibility Study of a potential Rail Spur for the Maple Tree Industrial Park.

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. Freight Data Digests as appropriate.
3. Maple Tree Industrial Park Rail Spur Feasibility Study

Source	Budget	Est. Staff Effort
MassHighway PL	\$21,000	13 weeks
TOTAL	\$21,000	13 weeks

Direct Labor	\$ 9,953
Indirect Costs	\$11,047

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
7. Amostown and Morgan Road Traffic Study – West Springfield
8. Route 57 Traffic Study – Southwick
9. CMS Travel Time Data Collection Update

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. Solicit public participation in CMS activities.
3. 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.
4. Develop a transportation study for the Route 202 corridor in the Town of Belchertown. PVPC staff will study four existing intersections to identify short and long term recommendations to reduce congestion and improve safety. A traffic signal warrant analysis will be performed for three of the intersections that currently operate under “STOP” sign control.

5. Conduct a study of Florence Road, Scanlon Avenue, Ryan Road, Pine Street and Bliss Street in the City of Northampton to identify the impacts of recent changes to traffic flow in this area. PVPC will collect the necessary traffic data in the vicinity of the study area, analyze existing traffic operations and proposed recommendations as appropriate to improve traffic flow and increase safety.
6. Study existing and future traffic conditions along a congested corridor of Route 20/Boston Road in the communities of Springfield and Wilbraham. The proposed study area will start at the intersection of Boston Road (Route 20) with Parker Street (Route 21) in Springfield and proceed east to the intersection of Boston Road (Route 20) with Old Boston Road in Wilbraham. The Boston Road corridor currently experiences severe congestion and safety problems as a result of a high concentration of retail land uses. PVPC staff will collect data to identify existing and potential future traffic and safety problems along the corridor. An analysis of the feasibility of coordinating the eight signalized intersections along this section of Boston Road will be conducted and recommendations to improve traffic flow will be developed in conjunction with the communities of Springfield and Wilbraham.
7. Complete a study of existing traffic conditions along the Route 10/202 corridor in the Town of Southwick. PVPC will utilize data collected as part of the FFY 2006 UPWP to analyze existing operations along the corridor and develop recommendations to improve traffic flow and increase safety.
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. Route 202 Study – Belchertown
4. Boston Road Traffic and Safety Study – Springfield and Wilbraham
5. Florence Road Traffic Study - Northampton
6. Route 10/202 Traffic Study – Southwick

Source	Budget	Est. Staff Effort
MassHighway PL	\$78,758	49 weeks
PVTA S. 5307	\$ 5,625	<u>3 weeks</u>
TOTAL	\$84,383	52 weeks

Direct Labor	\$39,992
Indirect Costs	\$44,391

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.

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.
2. 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 Hampden, Brimfield, Holland, and Longmeadow.
3. Develop a Pavement Condition Index rating for proposed projects included as part of the Transportation Improvement Program for use in the project evaluation process.
4. Assist in the prioritization of pavement projects included as part of the Pioneer Valley TIP.
5. Provide municipalities with condition and analysis information as available.

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	13 weeks
TOTAL	\$20,000	13 weeks

Direct Labor	\$ 9,479
Indirect Costs	\$10,521

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 four 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. 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)*.
5. Develop a long-term maintenance plan and intergovernmental Memorandum of Agreement for the Connecticut River Walk. *(Anticipated Completion – September, 2007)*.
6. Work with community officials to develop activities to promote public use of the completed Riverwalk facilities. *Schedule: ongoing*.
7. Develop a broad public support network for River Walk, including bicyclists, landowners, businesses, residents. *(Schedule: ongoing)*

PRODUCTS:

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

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. Feeding Hills Center Safety Study – Agawam

4. Florence Road at Burts Pit Road Safety Study – Northampton
5. Boston and Maine Railroad Bridge Safety Study – Northampton
6. Route 141 Safety Study – Easthampton and Holyoke
7. Main Street at Jackson Street Safety Study – Holyoke
8. Downtown Huntington Parking Study

PROPOSED ACTIVITIES:

1. Conduct a safety study at the intersection of North Pleasant Street and Fearing Street in the Town of Amherst to determine if an existing traffic signal can be removed from the intersection. This intersection has been operating under flashing operation for nearly one year. PVPC staff will compare historical crash data prior to and immediately after the change to signalized to flashing operation to identify the impact on safety at the intersection. A traffic signal warrant analysis will be conducted to determine if the intersection meets the minimum volume requirements for the installation of a traffic signal and if the intersection operates at acceptable levels under “STOP” sign control.
2. Perform a safety study in the vicinity of the intersection of Route 20 with North Main Street in the Town of Brimfield. The Town has experienced a high number of property damage crashes in this area as a result of vehicles colliding with a raised island surrounding a historic Civil War monument. PVPC staff will examine historical crash data and existing traffic volumes to develop recommendations to improve safety in this area.
3. Continue previous efforts to make recommendations to improve safety for existing at-grade rail crossings. Information collected as part of the FFY 2006 UPWP on existing traffic controls and traffic volumes at at-grade rail crossing will be used to develop recommendations to enhance the safety of at-grade crossings in the region.
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 a report identifying the top crash locations in the PVPC region based on the most recent three years of data from the Massachusetts Highway Department. Anticipated completion date of Summer of 2007.
6. Perform safety, traffic calming and truck exclusion route studies as requested by member communities. As necessary.

PRODUCTS:

1. At-grade Rail Crossing Improvement Recommendations
2. Report on Top Crash Locations in the PVPC Region
3. North Pleasant Street at Fearing Street Safety Study - Amherst
4. Route 20 at North Main Street Safety Study - Brimfield

Source	Budget	Est. Staff Effort
MassHighway PL	\$72,500	45 weeks
FTA S. 5303	\$ 6,250	4 weeks
PVTA S. 5307	\$ 3,125	2 weeks
TOTAL	\$81,875	51 weeks

Direct Labor	\$38,803
Indirect Costs	\$43,072

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. PVTA ITS System Architecture and Deployment Plan.
8. 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. Work with communities to incorporate the FHWA ITS National Architecture into future improvement projects. Ongoing task.
3. Serve as a member of the Steering Committee for the integration of the existing Mass Country Roads (MCR) and Regional Traffic Information Center (RTIC) projects.
4. Develop a regional map of bridges indicated existing weight restrictions and closures as well as current bridge construction projects.
5. Work with PVPC communities to assist in the utilization of the MassHighway Event Reporting System.
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. Technical Memoranda and reports as appropriate.
3. Regional Bridge Map

Source	Budget	Est. Staff Effort
MassHighway PL	\$17,500	11 weeks
PVTA S. 5307	<u>\$12,500</u>	<u>8 weeks</u>
TOTAL	\$30,000	19 weeks

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

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 2004, 2005, 2006 System Modifications
2. Organizational and planning support to the PVTA
3. Participation in PVTA ITS Steering committee
4. PVTA schedules
5. 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.
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 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. Provide PVTA with draft Service Standards for Fixed Route and Paratransit services
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	\$ 78,764	49 weeks
PVTA S. 5307	\$ 85,625	54 weeks
TOTAL	\$164,389	103 weeks

Direct Labor	\$ 77,909
Indirect Costs	\$ 86,480

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 (PVTA) 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 PVTA 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 PVTA's Paratransit service. These surveys will provide PVTA 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 2007 Paratransit Survey

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 7,500	5 weeks
PVTA S. 5307	\$ 3,750	2 weeks
TOTAL	\$11,250	7 weeks

Direct Labor	\$ 5,332
Indirect Costs	\$ 5,918

Task 4.3 Implementing the Regional Land Use Plan

OBJECTIVE:

The objective of this task is to work with local communities to finalize the draft version of "Valley Vision 2, the Regional Land Use Plan for the Pioneer Valley" region and assisting communities in the implementation of the recommendations of the document. Valley Vision promotes

compact, efficient urban growth centered around existing urban and town centers, served by existing transportation and other public infrastructure and services; discourages urban sprawl, inefficient land use, and development in environmentally sensitive areas; helps the region meet air quality goals by reducing auto trips and promoting use of transportation alternatives, such as transit, walking, biking and car-pooling.

PREVIOUS WORK:

1. Completed 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. Print, distribute and complete public outreach on a major update of Valley Vision, the Regional Land Use Plan for the Pioneer Valley. The update will include a map illustrating potential Chapter 40R Smart Growth Districts in each community in the region.
2. Complete a “Smart Growth Toolbox”, in an interactive CD-ROM and web-based format, which will include fact sheets explaining Valley Vision Strategies, model bylaws and regulations, and visualizations of strategies in practice.
3. Meet with each of the 43 communities in the Pioneer Valley region to obtain comments on the draft plan and map. Develop an intergovernmental agreement for local policy makers to formally adopt the plan and promote local consistency between community Master Plans and zoning with Valley Vision.
4. 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
5. Provide continued, targeted technical assistance to communities across the Pioneer Valley on an as-needed basis to implement the above pilot projects for Valley Vision strategies. These strategies may include new local zoning bylaws and land use regulations, and policies on infrastructure improvements/extensions.

PRODUCTS:

1. Final Report - Valley Vision, the Regional Land Use Plan. Anticipated completion date – Spring/Summer 2007.
2. Smart Growth Toolbox in CD-ROM format.
3. Adopted intergovernmental compact for implementing Valley Vision. Anticipated completion date – Winter 2006/2007
4. Summary of assistance provided to communities to implement strategies from Valley Vision.

Source	Budget	Est. Staff Effort
MassHighway PL	\$37,438	22 weeks
TOTAL	\$37,438	22 weeks

Direct Labor	\$16,794
Indirect Costs	\$18,644
Direct Costs	\$ 2,000

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. Facilitate Safe Route to School initiatives in Northampton.
2. Facilitate update of regional Bike/Ped plan.
3. Bicycle Level of Service Model for Amherst, Northampton, East Longmeadow, Holyoke and Westfield.
4. Pioneer Valley Region Latent Demand Model of Bicycle Trips for Northampton, Easthampton, and Amherst.
5. Provide technical assistance to area communities to develop and/or implement programs to improve conditions for pedestrians and bicyclists.
6. Re-activation of the PVPC non-motorized transportation committee and revisited membership and participation. .
7. Developed model bicycle parking bylaws.
8. Facilitated Training for Planners on Pedestrian and Bicycle Accommodations.
9. Assisted in the coordination for the Massachusetts Statewide Bicycle and Pedestrian Conference.
10. Pioneer Valley Bike Commute Week – 1996 – 2006.

PROPOSED ACTIVITIES:

1. 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
2. Develop a bikepath feasibility study for the Town of Palmer to identify connections to the Massachusetts Central Rail Trail.
3. PVPC will coordinate with MAPC representatives on the MHD revision of the Statewide Bicycle Plan and participate in the Statewide Bicycle and Pedestrian Conference “Moving Together.”
4. Facilitate the 8th annual Pioneer Valley Bike Commute Week in collaboration with MassBike and area communities.
5. 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.
6. Facilitate local efforts to implement traffic calming in areas of high pedestrian traffic.
7. Implement the bicycle and pedestrian-related recommendations of the Corridor 91 project to reduce greenhouse gas emissions from transportation via smart growth and promotion of alternative transportation modes and participate in year 2 project activities.
8. 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.

9. Continue support for the activities of the Joint Transportation Committee's Bicycle and Pedestrian subcommittee.
10. Perform bicycle and pedestrian counts along the Norwottuck Trail, Springfield Riverwalk, Northampton Bikepath, Manhan Rail Trail and other multi-use facilities to establish peak hours of use and seasonal fluctuations.
11. Review design scenarios for dealing with tree root issues on bikepaths. Staff will research root barrier standards and interview project managers that have implemented these control measures.
12. Norwottuck Rail Trail resurfacing/reconstruction project coordination. PVPC staff will work with the Massachusetts Department of Conservation and Recreation, The Norwottuck Rail Trail Advisory Committee and the MassBike Pioneer Valley Chapter to coordinate efforts the facilitate the improvements to the Norwottuck Rail Trail

PRODUCTS:

1. Palmer Massachusetts Central Rail Trail Feasibility Study.
2. Bicycle path volume counts.
3. JTC Bicycle Advisory Committee meeting minutes and notices.
4. Norwottuck Rail Trail Advisory Committee meetings.
5. Status reports on Regional Bicycle and Pedestrian Plan efforts.
6. 8th annual Pioneer Valley Bike Commute Week.
7. Report on Root Barrier effectiveness.

Source	Budget	Est. Staff Effort
MassHighway PL	\$48,500	27 weeks
Local Match	<u>\$ 4,500</u>	<u>2 weeks</u>
TOTAL	\$53,000	29 weeks

Direct Labor	\$25,118
Indirect Costs	\$27,887

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 including publicizing means to reduce greenhouse gas emissions from transportation through smart growth and promotion of alternative modes of transportation and idling reduction initiatives at area schools.

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 PVRTA and member communities to assure understanding of transit options in the region.
7. Implement recommendations of the I-91 Corridor project to reduce greenhouse gas emissions from transportation by promoting smart growth and alternative transportation. Specifically, PVPC will pursue recommended strategies, as appropriate, with participating communities to: encourage transit oriented development; promote infill and brownfield development; mixed-use zoning or development districts; encourage carpools and car sharing programs; promote telecommuting; work with municipalities and businesses to consider increasing parking rates; streamline permitting process; promote location efficient mortgages; offer/require parking cash out programs; ensure high visibility and information on existing transit options; work with all three states along corridor to increase awareness of opportunity and create a network of TOD developments.
8. Facilitate idling reduction initiatives in three member communities.
9. Facilitate the second annual October is Clean Energy month for the Pioneer Valley in collaboration with Five Colleges, Inc. the Center for Ecological Technology and MassBike.
10. Facilitate development and implementation of the Pioneer Valley renewable energy strategic plan.
11. 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. Idling reduction programs in three communities.
5. I-91 Corridor report.
6. "Clean Energy" month materials.
7. Pioneer Valley Renewable energy strategic plan materials.
8. 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	\$37,500	23 weeks
TOTAL	\$37,500	23 weeks

Direct Labor	\$17,772
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Indirect Costs	\$19,728
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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.
7. Local Pavement Management Study for Hadley.

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	\$6,500	4 weeks
TOTAL	\$6,500	4 weeks

Direct Labor	\$3,080
Indirect Costs	\$3,420

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 has submitted a scope of work and budget to the Executive Office of Transportation to fund these activities. This contract is currently being finalized by EOT. It is anticipated this work will be performed over a two year period.

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	<u>\$ 39,800</u>	<u>34 weeks</u>
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.
- 2. Re-established the Scenic Byway Area Committee in Hampshire County, with representatives from Hadley and South Hadley.
- 3. Developed priority projects for Scenic Byway funding and prepared applications for funding.
- 4. Secured funding for purchase of scenic easements along the corridor.

PROPOSED ACTIVITIES:

- 1. Coordinate meetings of the Byway Area Committee for the Connecticut River Scenic Farm Byway. Provide meeting notices, materials, minutes and staff support.
- 2. Prepare application and materials for federal Scenic Byway designation for the Connecticut River Scenic Farm Byway with assistance from EOT.
- 3. Work with Byway Area Committee and community representatives to continue to develop and prioritize scenic byway implementation projects, such as streetscape improvements, acquisition of scenic easements, signage, scenic overlooks, and similar projects.
- 4. Provide technical assistance to communities in byway project development, including identification of funding sources.

PRODUCTS:

1. Byway Area Committee meetings and activities, as needed;
2. Application for federal Scenic Byway designation for the Connecticut River Scenic Farm Byway;
3. Prioritized listing of proposed scenic byway improvements;
4. Technical assistance to communities in securing scenic byway implementation funding.

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

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

Task 4.9 Merrick/Memorial Neighborhood Plan – Implementation

OBJECTIVE:

This task expands upon the efforts of Phase I of the Merrick/Memorial Neighborhood Plan. PVPC staff will assist The Town of West Springfield in the implementation of the preferred recommendations of Phase I. The services of a private consultant may also be obtained using the 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 three 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 redesign of Union Street to allow overheight vehicles to utilize the CSX railroad underpass. The Town of West Springfield has received an earmark for this project. This is an ongoing task with an estimated start date in the Winter of 2006/2007.
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 Winter, 2006/2007.
5. Develop conceptual designs as appropriate to advance preferred alternatives to improve freight access to Route 5 in West Springfield. Expected completion date of Summer, 2007.

PRODUCTS:

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

Source	Budget	Est. Staff Effort
FHWA – TCSP	\$175,000	100 weeks
TOTAL	\$175,000	100 weeks

Direct Labor	\$ 26,066
Indirect Costs	\$ 28,934
Direct Costs	\$120,000

Task 4.10 Route 112 Scenic Byway Corridor Project

OBJECTIVE:

The purpose of the Route 112 Scenic Byway Corridor Project is to recognize, interpret, preserve and promote the unique scenic, cultural, archeological, natural and recreational resources of Route 112 in Hampshire and Franklin Counties through the development of a corridor management plan and accompanying public participation process. This project will be a joint venture between the PVPC and the Franklin Regional Council of Governments (FRCOG) that will be divided into two phases. This task is anticipated to require 2 years to complete. Funding for Phase I activities has been secured, Phase II funding is pending.

PREVIOUS WORK:

1. Jacob's Ladder Scenic Byway Planning
2. Route 47 Scenic Farm Byway Project

PROPOSED ACTIVITIES:

1. Develop a Regional Byway Advisory Committee and public participation process.
2. Coordination of policies and work products with FRCOG through inter-agency meetings.
3. Perform a technical evaluation of the transportation components of the Route 112 corridor. Collect the necessary data to evaluate traffic operations and data and make recommendations to improve and enhance the serviceability and safety of the corridor.
4. Conduct an inventory of historic, cultural, natural resources and landscape for the corridor. Perform an assessment of the data collected during the inventory to establish priorities for management strategies, resource and view protection strategies and for planning a roadside educational program.
5. Identify and map sites along the corridor that provide agricultural, heritage and recreational tourism attractions and support services. A marketing program will be developed to promote these resources.
6. Evaluate existing land use regulations and resource protection measures along the corridor. Develop "model" planning tools to improve existing measures for each community. Phase II task.
7. Perform an assessment of recreational links along the corridor. Recommendations will be developed to improve these links between identified resources and the Route 112 corridor. Phase II task.
8. Develop implementation strategies and preliminary cost estimates for recommendations of the Regional Corridor Management Plan. Phase II task.

PRODUCTS:

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

Source	Budget	Est. Staff Effort
Phase I - FHWA Scenic Byway	\$ 92,462	40 weeks
Phase II - FHWA Scenic Byway	<u>\$ 41,250</u>	<u>18 weeks</u>
TOTAL	\$133,712	58 weeks

Direct Labor	\$ 38,165
Indirect Costs	\$ 42,363
Direct Costs	\$ 11,934
<i>* Phase 1 Tasks Only</i>	

ESTIMATED COMPLETION SCHEDULE OF PLANNING ACTIVITIES

Task	Product	Anticipated Completion
1.2	FY2008 UPWP	Jun-07
1.4	FY2008-20012 TIP	Jun-07
2.1	Regional Traffic Counts	Ongoing
2.4	Data Center Reports	Ongoing
2.5	CMS Data Collection	Ongoing
2.6	PMS Data Collection	Ongoing
3.1	Final RTP	Feb-07
3.3	Functional Class Changes	Summer 2007
3.4	Maple Tree Rail Spur Study	Winter 2007
3.5	Route 202 Study - Belchertown	Winter 2007
3.5	Florence Road Study - Northampton	Summer 2007
3.5	Boston Road Corridor Study	Fall 2007
3.5	Southwick Route 10/202 Study	Spring 2007
3.7	CT Riverwalk Maintenance Plan	Fall 2007
3.8	North Pleasant Street Study	Spring 2007
3.8	Brimfield Safety Study	Winter 2007
3.8	Top Crash Locations Report	Summer 2007
3.8	At-Grade Rail Crossings Study	Ongoing
3.9	Regional Bridge Map	Fall 2007
4.1	Route Ridership Surveys	Ongoing
4.2	Paratransit Survey	Fall 2007
4.3	Final Valley Vision Report	Summer 2007
4.3	Valley Vision Intergovernmental Compact	Winter 2007
4.4	Bike Commute Week	Spring 2007
4.4	Palmer Bike Path Feasibility Study	Fall 2007
4.4	Root Barrier Effectiveness Report	Summer 2007
4.9	Truck Route Study	Winter 2007
4.10	Route 112 Scenic Byway Study	Fall 2007

ADDITIONAL PLANNING PROJECTS

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 as 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 alternative for passenger rail service in the entire corridor.

Source	Budget	Est. Staff Effort
Federal Earmark	\$750,000	100 weeks
TOTAL	\$750,000	100 weeks

New England High Speed Rail Corridor Planning Study

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) convened a meeting of the different stakeholders for this project in July, 2005. 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 manager for the study.

A Scope of Work is currently under development by the Pioneer Valley Planning Commission for review by both states. In addition, a bi-state agreement is under development by the Connecticut Department of Transportation. While the State of Massachusetts has committed \$90,000 in matching funds for Phase I of the project, the FRA has commented that additional funding may be necessary.

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.

Source	Budget	Est. Staff Effort
Federal Railroad Adm.	\$ 700,000	80 weeks
50% Req. Match	\$ 700,000	80 weeks
TOTAL	\$1,400,000	160 weeks
Phase I Estimate	\$225,000	25 weeks
EOT Commitment Phase 1	\$90,000	
ConnDOT in Kind	\$25,000	

Route 9 Transit Study

OBJECTIVE:

In the development of the Connecticut River Crossing Study for the Route 9 corridor, a number of transit recommendations were identified. This planning effort would develop an in-depth transit study for the communities of Amherst, Hadley and Northampton along the Route 9 corridor to analyze the feasibility of implementing the recommendations of the Connecticut River Crossing Study. Specifically, the services of a private consulting firm would be sought to analyze the effectiveness of the transit recommendations included as part of the Connecticut River Crossing Study and to study the feasibility of implementing recommendations such as the development of a transit signal prioritization system along the Route 9 corridor or the enhancement of existing bus stops along the corridor.

PROPOSED ACTIVITIES

1. Develop a project Scope of Work and Request for Proposals to solicit the services of a private consultant.

2. Establish a review committee to assist in the consultant selection process.
3. Collect the latest information on transit ridership and travel times along the Route 9 corridor.
4. Review and analyze the proposed Transit Recommendations from the Connecticut River Crossing Study. Develop a prioritized listing of alternatives for implementation.
5. Review and analyze the feasibility of implementing a Hybrid Bus Rapid Transit System for the Route 9 corridor.
6. Develop a public participation process with local officials and residents from the communities of Amherst, Hadley and Northampton to review and comment on proposed transit improvements.
7. Develop cost estimates for the implementation of preferred recommendations.
8. Work with the Pioneer Valley Transit Authority, the Massachusetts Highway Department and the communities of Amherst, Hadley and Northampton to implement the preferred recommendations.

Source	Budget	Est. Staff Effort
To Be Determined	<u>\$90,000</u>	<u>36 weeks</u>
TOTAL	\$90,000	36 weeks

FUNDING PROFILE

FUNDING SUMMARY

SUMMARY OF COMMENTS

Task	Comment	From
	Correct spelling errors and add ex-officio members to MPO membership listing	Pioneer Valley MPO
	Examine true needs for proposed PL balance drawdown	EOT
	Changed proposed PL balance drawdown from \$45,000 to \$30,000	PVPC
	Revise description of the Pioneer Valley MPO pending action at August 1, 2006 MPO meeting	EOT
	Added in JTC representative for the Pioneer Valley Railroad	EOT
Task 3.4 Regional Freight Planning	Corrected dates to update expected timelines for the task.	EOT
Task 3.5 Congestion Management	Updated Activity #5 to include Ryan Road and Pine Street into the project study area.	City of Northampton
Task 3.5 Congestion Management	Updated funding summary for this task.	PVPC
Task 3.7 Connecticut River Walk	Updated anticipated completion date for Activity #5.	EOT
Task 3.8 Regional Safety Studies	Updated funding summary for this task.	PVPC
Task 4.3 Regional Land Use Plan	Updated Objective and Activity #3.	EOT
Task 4.4 Bike and Ped Planning	Added a product for the proposed root barrier research activity	EOT
Task 4.5 Local Technical Assistance	Added additional information to describe Activity #7 and its associated product.	EOT
Task 4.7 Jacob's Ladder Trail	Update status of the contract for the proposed Corridor Management Project II.	EOT
Task 4.8 CT River Scenic Byway	Updated Activity #2.	EOT
Task 4.10 Rte 112 Scenic Byway	Corrected Source of Project funding.	EOT
High Speed Rail Planning Study	Updated the Project Description	EOT
Route 9 Transit Study	Updated Project Objectives and added Proposed Activities	EOT
Route 9 Transit Study	Letter stating support for the proposed task.	Town of Amherst
Route 9 Transit Study	Letter stating support for the proposed task.	Town of Hadley
Funding Profile	Add a separate column to distinguish Federal Funding from non-Federal Funding	FHWA
	Add a schedule of completion for all proposed planning projects	FHWA

MPO ENDORSEMENT