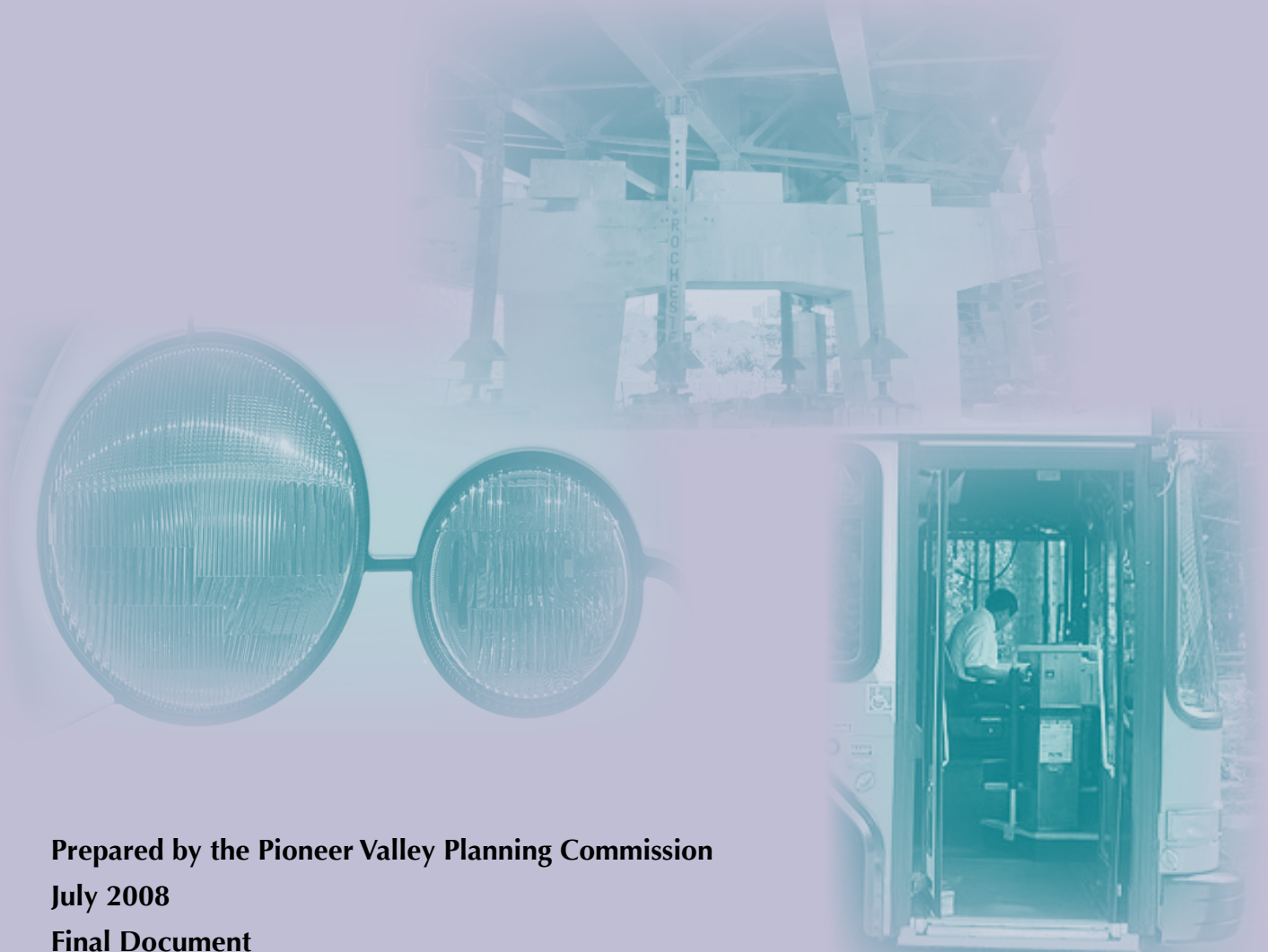


Pioneer Valley

UNIFIED PLANNING WORK PROGRAM

Fiscal Year 2009
October 1, 2008 to September 30, 2009



Prepared by the Pioneer Valley Planning Commission
July 2008
Final Document

Pioneer Valley
Unified Planning Work Program

Fiscal Year 2009
October 1, 2008 to September 30, 2009

Final Document
July, 2008

Prepared by the
Pioneer Valley Planning Commission

For the Pioneer Valley
Metropolitan Planning Organization

Pioneer Valley MPO Members

Name	Title
Bernard Cohen	Secretary of the Executive Office of Transportation and Public Works
Luisa Paiewonsky	Commissioner of the Massachusetts Highway Department
Henry Barton	Chairman of the Pioneer Valley Executive Committee
Mary MacInnes	Administrator of the Pioneer Valley Transit Authority
Mayor Michael Sullivan	Mayor of Holyoke
Mayor Michael Bissonette	Mayor of Chicopee
Mayor Edward Gibson	Mayor of West Springfield
Mayor Clare Higgins	Mayor of Northampton
James Barry	Belchertown Board of Selectmen
Scott Short	Granville Board of Selectmen
Alternates	
Mayor Domenic Sarno	Mayor of Springfield
Mayor Susan Dawson	Mayor of Agawam
Gerald Devine	Hadley Board of Selectmen
James Driscoll	East Longmeadow Board of Selectmen
Ex-Officio	
Lucy Garliauskas	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 and Public Works, the Massachusetts Highway Department and the Pioneer Valley Transit Authority.

Table of Contents

INTRODUCTION	1
PIONEER VALLEY METROPOLITAN PLANNING ORGANIZATION MEMBERS	4
JOINT TRANSPORTATION COMMITTEE (JTC)	6
TRANSPORTATION PLANNING STAFF	7
STAFFING REPORT	7
PREVIOUS TRANSPORTATION STUDIES.....	8
STUDIES COMPLETED AS PART OF THE FY 2008 UPWP	9
WORK ELEMENT 1 – MANAGEMENT AND CERTIFICATION OF THE 3C PROCESS.....	11
Task 1.1 Management of the 3-C Process.....	11
Task 1.2 Unified Planning Work Program	12
Task 1.3 Public Participation Process	12
Task 1.4 Transportation Improvement Plan (TIP) Development	13
Task 1.5 Statewide Funding Proposal Assistance	14
Task 1.6 Environmental Justice	15
WORK ELEMENT 2 - TECHNICAL SUPPORT & DATA COLLECTION	17
Task 2.1 Traffic Counting	17
Task 2.2 Regional Travel Demand Modeling/Clean Air Planning	18
Task 2.3 GIS, Mapping and Graphics	19
Task 2.4 Information Center	21
Task 2.5 Regional Congestion Management Process-Data Collection	22
Task 2.6 Regional Pavement Management System - Data Collection	23
WORK ELEMENT 3 - REGIONAL TRANSPORTATION PLANNING	25
Task 3.1 Westfield CBD Traffic Circulation Study	25
Task 3.2 Transit System Surveys and Route Implementation	26
Task 3.3 Intermodal Connector Review	26
Task 3.4 Regional Freight Planning.....	27
Task 3.5 Regional Congestion Management Process-Project Development.....	28
Task 3.6 Regional Pavement Management System - Project Development.....	29
Task 3.7 Connecticut River Walk & Bikeway Coordination.....	30
Task 3.8 Regional Safety and Planning Studies.....	31
Task 3.9 Intelligent Transportation Systems (ITS) - Strategic Planning	32
Task 3.10 Project Development Process Primer	33
Task 3.11 Climate Change Implementation Plan	34
WORK ELEMENT 4 - ONGOING TRANSPORTATION PLANNING.....	36
Task 4.1 Regional Transit Planning.....	36
Task 4.2 Paratransit Planning Assistance.....	37
Task 4.3 Implementing the Regional Land Use Plan	38
Task 4.4 Regional Bicycle and Pedestrian Planning.....	40
Task 4.5 Local Technical Assistance.....	42
Task 4.6 Local Pavement Management Program	43
Task 4.7 Jacob's Ladder Trail Scenic Byway Project.....	44
Task 4.8 Connecticut River Scenic Farm Byway Project.....	45
Task 4.9 Merrick/Memorial Neighborhood Plan – Implementation.....	46
Task 4.10 Route 112 Scenic Byway Corridor Project.....	47
ESTIMATED COMPLETION SCHEDULE OF PLANNING ACTIVITIES	49
ADDITIONAL PLANNING PROJECTS	50
Connecticut River/I-91 Corridor Study	50
Interstate Route I-91 Major Corridor Planning Study.....	51
Evacuation Planning Project.....	52
Route 9 Transit Study	53
FUNDING PROFILE	55
FUNDING SUMMARY.....	56
SUMMARY OF COMMENTS	57
MPO ENDORSEMENT	58
MPO ENDORSEMENT	58

INTRODUCTION

The Unified Planning Work Program (UPWP) is a narrative description of the annual technical work program for a continuing, cooperative and comprehensive (3C) transportation planning process in the Pioneer Valley Region. As the lead planning agency for the Pioneer Valley Metropolitan Planning Organization (MPO), the Pioneer Valley Planning Commission (PVPC) is responsible for developing the UPWP in cooperation with other members of the MPO including the Pioneer Valley Transit Authority, the Executive Office of Transportation and Public Works (EOTPW), 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 EOTPW, 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, 2008 through September 30, 2009
FTA/EOTPW	October 1, 2008 through September 30, 2009
PVTA	July, 2008 through June, 2009
Scenic Byways Program	Various Contract Periods

The Pioneer Valley Metropolitan Planning Organization endorses the 2009 Unified Planning Work Program for the Pioneer Valley MPO once it has been developed cooperatively and in accordance with the Public Participation Process established for this region. The Pioneer Valley MPO is expected to endorse this document in August, 2008.

TRANSPORTATION PLANNING FUNDING SOURCES

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

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

Total PL Allocations as of October 1, 2008 (FFY 2009)	\$13,468,135
Total PL Expenditures as of April 30, 2008	\$11,297,747
Estimated PL Expenditure for Remainder of FFY 2008 UPWP	\$514,960
Current PL Balance (Estimated)	\$1,655,428
Estimated PL Expenditure in FFY 2009 UPWP	\$911,037
Estimated PL Balance as of September 30, 2008	\$744,391

Source: PVPC

A total of \$911,037 in PL funds has been programmed for the FY2009 Transportation Work Program. 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 FY2009.

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

The Pioneer Valley Transit Authority, the FTA Section 5307 applicant, has consulted with the Pioneer Valley Planning Commission and concurs that the public involvement process adopted by the MPO for the development of the UPWP satisfies the public hearing requirements that pertain to the development of the Program of Projects for regular Section 5307, Urbanized Area Formula Program grant application including the provision for public notice and the time established for public review and comment.

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

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

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

Many projects completed by the Community Development and Land Use Sections are funded through the award of competitive grants and through private contracts with local communities. These sources include

Municipal Incentive Grants (MIGs), Community Development Block Grants, Community Development Action Grants, and Urban Development Action Grants. The PVPC also receives a modest amount of funding from community assessment dollars which is used to supplement the local technical assistance program.

PIONEER VALLEY METROPOLITAN PLANNING ORGANIZATION MEMBERS

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

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

Chicopee	Holyoke	Springfield
----------	---------	-------------

- 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
Bernard Cohen	Secretary of the Executive Office of Transportation and Public Works
Luisa Paiewonsky	Commissioner of the Massachusetts Highway Department
Henry Barton	Chairman of the Pioneer Valley Executive Committee
Mary MacInnes	Administrator of the Pioneer Valley Transit Authority
Mayor Michael Sullivan	Mayor of Holyoke
Mayor Michael Bissonette	Mayor of Chicopee
Mayor Edward Gibson	Mayor of West Springfield
Mayor Clare Higgins	Mayor of Northampton
James Barry	Belchertown Board of Selectmen
Scott Short	Granville Board of Selectmen
Alternates	
Mayor Domenic Sarno	Mayor of Springfield
Mayor Susan Dawson	Mayor of Agawam
Gerald Devine	Hadley Board of Selectmen
James Driscoll	East Longmeadow Board of Selectmen

JOINT TRANSPORTATION COMMITTEE (JTC)

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

Pioneer Valley Joint Transportation Committee Members and Alternates

Community	Member	Alternate
Agawam	John Stone	Michael Chase
Amherst	Guilford Mooring	Jason Skeels
Barnes Municipal Airport	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
Granville	Doug Roberts	Kathryn Martin
Hadley	Alexandra Dawson	
Hampden	Melissa Reeves	
Hatfield	Frank Motyka	
Holland	Earl Johnson	Brian Johnson
Holyoke	Matt Sokop	Jeffrey Burkott
Huntington	Wayne McKinney	Albert LaFrance
Longmeadow	Mike Wrabel	
Ludlow	Paul Dzubick	Michael Szlosek
MassBike	Marvin Ward	
MassHighway District 1	Mark Moore	Peter Frieri
MassHighway District 2	Richard Masse	Meryl Mandell
Middlefield	Rodney Savery, Jr.	
Monson	John Morrell	Gretchen Neggers
Montgomery	Curtis Bush, Jr.	
Northampton	Wayne Feiden	Edward Huntley
Palmer	Richard Kaczmarczyk	
Pelham	Rick Adamcek	
Peter Pan Bus Lines	Peter Picknelly, Jr.	Robert Schwarz
Pioneer Valley Railroad	Michael Renniecke	
Pioneer Valley Transit Authority	Nicole Rohan	
Plainfield	Charles Waterhouse	
Russell	Mickey Sharkey	Lyle Maxwell
South Hadley	Jim Reidy	Yem Lip
Southampton	Edward J. Cauley	
Southwick	Jeff Neece	Richard Grannells
Springfield	Allan Chwalek	Peter Shumway
Tolland	James Deming	Richard Daley
University of Massachusetts	Al Byam	
Wales	Michael Wasiluk	
Ware	Paul Hills	Gilbert St. George-Sorel
Western Massachusetts Economic Development Council	Ken Delude	
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 ten full-time transportation planners and at least two part-time transportation interns.

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

STAFFING REPORT

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

Staff	Position	% Time on Transportation
Rana Al Jammal	Senior Transportation Planner - Specialist	100%
Jessica Allen	Land Use Planner	25%
Jayne Bernhard	Planner	9%
Anne Capra	Principal Planner	2%
Ray Centeno	Graphics Designer	24%
Chris Curtis	Chief Planner/Section Manager	18%
Tony Dover	Planner	10%
Christopher Dunphy	Community Development Senior Planner	10%
Molly Jackson-Watts	Analyst/Regional Information Center Manager	71%
Patty Gambarini	Senior Planner	5%
James Gray	Community Development Principal Planner	10%
Shaun Hayes	Principal Planner/Section Manager	10%
Dave Johnson	Transit Planner - Specialist	100%
Amir Kouzehkanani	Principal Transp. Planner/Manager	100%
James Mazik	Deputy Director for Operation/Community Development Section Manager	15%
Andrew McCaul	Transportation Planner I	100%
Jeff McCullough	Senior Transportation Planner	100%
Catherine Miller	Principal Planner/Section Manager	16%
Kelvin Molina	Transportation Planner II	100%
Khyati Parmar	Transportation Planner II	100%
Bonnie Parsons	Community Development Principal Planner	35%
Dana Roscoe	Principal Planner – Section Head	100%
Gary Roux	Principal Planner – Section Head	100%
Jim Scace	Senior Planner/GIS Specialist	15%
Ashley Shea	Communications Manager	19%
Todd Zukowski	Planner Specialist/GIS Graphics	36%
New Planner	Transit Planner	100%
Transportation Interns (3)	Intern	100%

PREVIOUS TRANSPORTATION STUDIES

Jacob's Ladder Trail Scenic Byway - Landscape Inventory & Assessment
 Jacob's Ladder Trail Scenic Byway Study- Executive Summary
 Jacob's Ladder Trail Scenic Byway - Highway and Safety Analysis
 Jacob's Ladder Trail Scenic Byway- Cultural Resources Inventory
 Jacob's Ladder Trail Scenic Byway Study- Land Use Strategies
 Touring Jacob's Ladder Trail by Bicycle or Car
 Jacob's Ladder Trail Scenic Byway Development Guidebook
 Jacob's Ladder Trail Scenic Byway. Improvements Plan: Phase II
 Town of Hadley Ma. Americans with Disability Act. Transition Plan.
 The Pioneer Valley Plan For Progress
 Connecticut River Walk & Bikeway Analysis
 Valley Vision: The Regional Land Use Plan
 A View of Our Valley: Population
 A View Of Our Valley: Transportation
 A View of Our Valley: Employment & Income
 A View of Our Valley: Market Trends
 Employment Projections for the PVPC
 Major Employers Inventory for the Pioneer Valley Region
 1997 Major Employers Inventory Report
 Route 9 Corridor Study, Traffic Improvements
 I- 91 Corridor Study: An Impact Analysis of the Cultural Landscape
 Southwick Report: A Report on Traffic Issues
 1990 Transit Riders Study
 Route 10 Corridor Study
 Route 9 Corridor Supplemental Report
 Route 5 Corridor Study
 Rte.9 Corridor Study: Land Use Trends
 Rte.9 Corridor Study Addendum
 Rte. 5 Corridor Study Supplemental Reports:
 Rte. 5 Signal Coordination
 Elmwood Area Preliminary Travel Demand Analysis
 Route 10/202 Corridor Study
 Regional Traffic Count Reports
 Origin/Destination Survey of PVTA Rte. 107
 Complimentary Paratransit Plan
 Forging a Link Between Land Use & Transportation Planning in the Pioneer Valley Region
 Boston Road Corridor Study
 The VMT Reduction Workbook
 PVTA Economic Benefit and Impact Study
 1997 Pioneer Valley Regional Transportation Plan
 Regional Pavement Management Report
 State Street Signal Coordination Project
 Pioneer Valley Region Congestion Mgmt. System
 Traffic and Parking Study Update Report for Easthampton
 Connecticut River Scenic Farm Byway Study
 Route 20 Corridor Study – Westfield/West Springfield
 Town of Wilbraham Pavement Management Study
 Town of Belchertown Pavement Management Study
 Town of Ludlow Pavement Management Study
 PVTA Green 01 Transit Route Survey
 PVTA Bus Stop Survey
 Downtown Amherst Parking Study
 Downtown Ware Parking Study
 East Longmeadow Rotary Study
 There's No Place Like Our Home (Strategy 2000)
 Springfield Street Traffic Study – Agawam
 Norwottuck Rail Trail Parking Study
 Public Participation within the Transportation Planning Process
 State of the Pioneer Valley: 2000
 State of the Pioneer Valley: 2001
 Trends in Building Permits: 1988 to 1997
 Data Digest: Commercial and Industrial Capacity in the Pioneer Valley Region
 Data Digest: Residential Property in the Pioneer Valley Region: 1993 - 98

Regional Profile: A Statistical Profile of the Hartford-Springfield Interstate Region
 Agawam Pavement Management Study
 Pioneer Valley Regional Bicycle and Pedestrian Transportation Plan
 Bradley Airport Study for Western Massachusetts
 2000 Pioneer Valley Regional Transportation Plan
 Outer Belt Transportation Study
 Holyoke Downtown Flow Study
 Hampden County House of Correction Parking Study
 Linden Street Traffic Study
 Northampton Transportation Plan
 2003 Regional Transportation Plan Update
 West Springfield Parking Study
 PVTA Garage Parking Study
 Longmeadow Route 5 Traffic Study
 Norwottuck Rail Trail User Survey
 Executive Order 418 Community Development Plans (various)
 Route 32 – Ware Traffic Study
 Springfield – St. James Ave./St. James Blvd. Study
 Merrick/Memorial Neighborhood Plan – Phase I
 Route 9 at North and South Maple Street Safety Study
 Massachusetts Turnpike Exit 6 at I-291 Safety Study
 Route 5 at Conz Street Safety Study
 Pavement Management Informational Brochure
 Springfield Riverwalk User Survey
 Updates to the Regional Congestion Management System
 Center Street Traffic Study – Ludlow
 Feeding Hills Center Safety Study – Agawam
 Florence Road at Burts Pit Road Safety Study – Northampton
 Boston and Maine Railroad Bridge Safety Study – Northampton
 West Street at Pantry Road Safety Study – Hatfield
 Regional Bike Map Update
 Amendment to the 2003 Regional Transportation Plan
 2006 Update to Joint Transportation Committee Bylaws
 Regional Traffic Count Report Summary: 2001-2005
 SABIS School Study – Springfield
 Amostown Road and Morgan Road Traffic Study – West Springfield
 Connecticut River Walk and Bikeway Brochure
 Main Street at Jackson Street Safety Study – Holyoke
 Route 141 Safety Study – Easthampton and Holyoke
 I-291 Exit 6 off ramp at Shawinigan Drive Safety Study – Chicopee
 Downtown Huntington Parking Study
 Route 57 intersection study – Southwick
 Regional CMS Data Collection Update
 Merrick/Memorial Truck and Pedestrian Surveys
 Palmer Park and Ride Lot Study
 Local Technical Assistance Requests (various)
 2007 Regional Transportation Plan Update
 Route 141 Safety Study Updates – Easthampton and Holyoke
 Valley Vision 2
 Regional Bicycle and Pedestrian Plan Update
 Feeding Hills Center Transportation and Safety Study Final Report
 Regional CMP Annual Report Update
 Top 100 Crash Locations in the Pioneer Valley Draft
 Route 202 Transportation Study – Belchertown
 Florence Road Traffic Study – Northampton
 Palmer Redevelopment Authority Track Capacity Improvements
 Route 10/202 Transportation Study – Southwick
 Route 57 Transportation Study – Southwick
 North Pleasant Street at Fearing Street Study – Amherst
 Brimfield Safety Study
 PVPC Regional Bridge Map
 Palmer Bike Path Study
 Route 112 Scenic Byway Study - Draft
 Regional Transit Surveys
 Public Participation Plan for the Pioneer Valley MPO Update

STUDIES COMPLETED AS PART OF THE FY 2008 UPWP

Community and Facility Profiles (various)
Local Technical Assistance Requests (various)
Top 100 High Crash Locations in the Pioneer Valley – Final Report
Route 10/202 Transportation Study, Southwick – Final Report
Route 57 Transportation Study, Southwick – Final Report
Route 112 Scenic Byway Study – Final Report
Regional Transit Surveys
FFY 2009 – 2012 Transportation Improvement Program
FFY 2009 Unified Planning Work Program
STCC Environmental Justice Analysis
Regional Traffic Counts: 2003-2007
State of the Region/People 2008
PVTA Fare Assessment
Route 10 Corridor Study – Easthampton
R41 and Nashawannuck Express Passenger Surveys
PVTA Systemwide Passenger Survey
Amherst Parking and Transit Survey
Granby Master Plan – Transportation Component
Update to CMP Report
Adams Road Safety Study – Williamsburg
Feeding Hills Center Crash Data Review – Agawam
Route 9 at North Street and Petticoat Hill Road Study – Williamsburg
Southwick Transit Study
Manhan Rail Trail User Survey
Jacob's Ladder Trail II – Transportation Section Update

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

This work element encompasses the administration and support of the 3-C transportation process and has been divided into the following tasks for FY 2009.

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
FHWA PL (80%)	\$30,000	17 weeks
MassHighway (20% match)	\$ 7,500	4 weeks
FTA S.5303	\$15,000	8 weeks
PVTa S.5307	\$ 6,250	3 weeks
FTA S. 5316	\$ 7,500	5 weeks
FTA New Freedom	\$ 5,000	3 weeks
TOTAL	71,250	40 weeks

Direct Labor	\$33,768
Indirect Costs	\$37,482

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 - 2008.

PROPOSED ACTIVITIES:

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

PRODUCTS:

1. Amendments to the current UPWP as necessary.
2. UPWP for the next program year (FFY 2010)

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

Direct Labor	\$3,850
Indirect Costs	\$4,275

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 SAFETEA-LU.

PREVIOUS WORK:

1. Pioneer Valley Public Participation Process 2000-2008.
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.
6. Work with a local elementary school to develop an after school program focused on transportation planning.

PRODUCTS:

1. Meeting minutes.
2. Press releases for TDM, TMA and Enhancement projects.
3. Transportation Planning after school program.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$23,800	13 weeks
MassHighway (20% match)	\$ 5,950	3 weeks
FTA S.5303	\$ 7,500	4 weeks
PVTA S.5307	\$ 5,000	3 weeks
FTA S. 5316	\$ 5,000	3 weeks
FTA New Freedom	<u>\$ 5,000</u>	3 weeks
TOTAL	\$52,250	29 weeks

Direct Labor	\$24,763
Indirect Costs	\$27,487

Task 1.4 Transportation Improvement Plan (TIP) Development

OBJECTIVE:

PVPC is the lead planning agency of the Pioneer Valley Metropolitan Planning Organization (MPO). Under this task PVPC is responsible for developing, amending, adjusting and maintaining the TIP for the Pioneer Valley MPO. PVPC will update and refine the staged financially constrained program of transportation improvement projects. The TIP is consistent with the Regional Transportation Plan, the State Implementation Plan, EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

PREVIOUS WORK:

1. Pioneer Valley Transportation Improvement Programs 1974 – 2008
2. Annual Transportation Evaluation Criteria (TEC) Forms Update
3. Annual TEC summary sheet to assist in populating the Draft TIP.

PROPOSED ACTIVITIES:

1. Maintain a database of improvement projects. Data will satisfy the requirements of the Metropolitan Planning Rules.
2. Assist Communities with the completion of the Project Needs Form (PNF) as required by the MassHighway Design Guide Book in order to begin to develop new projects for the TIP
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 communities to use to access current as well as archived TIP documents and project information which can be used for both public and official use.

PRODUCTS:

1. FFY 2009 - 2012 Transportation Improvement Program.
2. TIP Amendments and Adjustments as necessary.
3. Comment summary Report for comments received during public review for amendments made to the TIP.
4. Ranked list of evaluated TIP projects, with corresponding TEC sheets.

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

Direct Labor	\$33,175
Indirect Costs	\$36,825

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 - 2008.
2. Participated as MARPA representative to Statewide Enhancement Steering Committee 1998-2004.

PROPOSED ACTIVITIES:

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

PRODUCTS:

1. Technical assistance to communities on Enhancement project development.

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

Direct Labor	\$2,369
Indirect Costs	\$2,631

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. Coordinated EJ assessment and outreach with the Springfield Technical Community College and PVTA for a parking lot expansion and shuttle bus service.
2. PVPC staff hosted a statewide EJ workshop and networking session. Regional Planning Agencies from across Massachusetts and Connecticut attended and provided practical examples of new methods for evaluation and outreach.
3. Developed bi-lingual survey form for transit surveys.
4. 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.
5. 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.
6. Coordinated a survey of commuter students for the Massachusetts Career Development Institute.
7. PVPC staff attended FHWA training workshops on Title VI. Coordinated a presentation to JTC members regarding Title VI and Environmental Justice.
8. 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.
9. 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.
10. Updated region-wide databases and GIS maps of Welfare clients.
11. Participation in the region-wide Welfare-to-Work Task Force and Hampden County SDA Quartet meetings.
12. Develop bilingual public notices for the Transportation Improvement Plan and the Regional Transportation Plan.
13. Inventory of regional Transit Amenities (stops and shelters).

14. Expanded public participation efforts related to the RTP and TIP to target key minority population groups in the region.

PROPOSED ACTIVITIES:

1. Meet with regional organizations and groups that work with the Environmental Justice Community to facilitate and coordinate participation in the regional transportation planning process.
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. 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.
4. Continue coordination between PVPC and CRCOG related to Environmental Justice.
5. Review measures of effectiveness regarding implementation of Title VI.
6. Facilitate surveys and other planning activities as appropriate to assist in the development of appropriate future transportation planning activities that are equitable for all residents of the region.

PRODUCTS:

1. Community and organizational survey results.
2. Staff attendance at Environmental Justice training workshops as needed.

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

Direct Labor	\$16,588
Indirect Costs	\$18,412

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

PROPOSED ACTIVITIES:

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

PRODUCTS:

1. Summary reports of daily traffic count information for the region.
2. Collect and document traffic counts for other UPWP tasks as needed.
3. Seasonal adjustment factors and growth rates specific to the PVPC region.

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

Direct Labor	\$17,773
Indirect Costs	\$19,727

Task 2.2 Regional Travel Demand Modeling/Clean Air Planning

OBJECTIVE:

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

PREVIOUS WORK:

1. Development of the PVPC regional travel demand forecasting model.
2. Air quality conformity determinations for the RTP, TIP and at the request of MassHighway.
3. PVPC regional transit model.
4. 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 43 communities of the Pioneer Valley region.
12. Route 10 corridor analysis for the Easthampton Master Plan.

PROPOSED ACTIVITIES:

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

PRODUCTS:

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

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

Direct Labor	\$34,953
Indirect Costs	\$38,797

Task 2.3 GIS, Mapping and Graphics**OBJECTIVE:**

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

1. Continue to develop and implement management strategies, which address staff training, establish agency data standards and data

- collection protocol, and conformance to map design that can be applied to all GIS products.
2. Pursue the use of GIS and other automated mapping and spatial analytical technologies for transportation applications. Enhance existing digital base map data and develop geographically referenced data layers for use in transit service analysis, regional land use & smart growth planning activities, emergency response, critical infrastructure assessment, public works and pavement management, and transportation system planning.
 3. Assist in distribution of new statewide digital color orthophotography and statewide oblique imagery. Support development of municipal applications to employ these data and promote expanded use of automated mapping technologies and spatial analytical tools.
 4. Integrate information generated to support transit and transportation management systems into the GIS. Create maps and graphics to promote understanding of related issues.
 5. Continue to 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, regional smart growth strategies, recently released socio-economic data, and PVPC conducted field surveys.
6. Development of regional spatial data to support federal and state initiatives (i.e., Massachusetts spatial data infrastructure, preparations to 2010 U.S. Census, homeland security and disaster planning).
7. Update centerline/road inventory and functionally classified roads.

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

Direct Labor	\$36,813
Indirect Costs	\$40,862

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 the most current data available as of January 2008.
4. State of the Region/People, an annual report produced in 2000, 2001, 2002 and 2003. Updated data on Regional Trends and Municipal Comparisons published on PVPC website, last updated Spring 2008.
5. Study of employers in the region with a focus on small businesses and economic clusters.
6. Made more data available through PVPC's website, including economic indicators, population estimates, reports, and community profiles.
7. Conducted detailed fiscal and ridership analyses in support of the Pioneer Valley Transit Authority (PVTA).
8. Updated much of data available on PVPC website and re-organized.

PROPOSED ACTIVITIES:

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

- population estimates, municipal finance data, current economic indicators, and labor market information that will assist in positive transportation planning and decision making. This is an ongoing, annual task.
3. Provide research and socio-economic services to municipalities and other external stakeholders as requested. This is an ongoing, annual task.
 4. Track regional socio-economic and transportation related indicators, for incorporation into the annual update of the PVPC State of the Region data reported through the PVPC website.
 5. Maintain and update the Information Center's information system that integrates demographic, economic, and municipal data.
 6. Operate regional economic model (IMPLAN) to support planning efforts. This is an ongoing, annual task.
 7. Assist the Plan for Progress Trustees with transportation related initiatives to encourage regional economic development. This is an ongoing, annual task.
 8. Continue to support efforts to update the regional transportation model with the latest population and employment data. This is an ongoing, annual task.
 9. Assist in the development of population, housing, and employment estimates for future analysis years of the regional transportation model.
 10. Analyze labor market surrounding proposed regional commuter rail to assist with planning and advocacy efforts.
 11. Analyze new regional employment database and research additional data necessary for new inventory of regional major employers to assist in identifying areas of growth for future transportation planning.

PRODUCTS:

1. Analytical and research reports on region's demographic and economic trends.
2. Maintain information system of socio-economic and disparate data.
3. Update and improve access to data on Information Center website.
4. Updated Major Employers report for the region to assist in future transportation planning.
5. Analysis and GIS map of labor market around proposed commuter rail stations.

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

Direct Labor	\$24,289
Indirect Costs	\$26,961

Task 2.5 Regional Congestion Management Process-Data Collection

OBJECTIVE:

To refine and streamline data collection process while continuing to advance data collection for the Congestion Management Process (CMP) 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 CMP database.
2. Travel time data runs to identify and verify congested areas.
3. Travel time data runs to document the effectiveness of recently completed transportation improvement projects.
4. Travel time data runs to develop travel time contours for the region.
5. Regional Park and Ride Lot data collection.

PROPOSED ACTIVITIES:

1. Collect data for CMP problem verification, studies, regional model calibration, and transportation monitoring.
2. Collect data for off ramps of the Pioneer Valleys interstates to identify locations for future studies.
3. Collect CMP data on I-291 by travel lane in the same direction.
4. Collect data at existing park and ride facilities in the region.

PRODUCTS:

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

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

Direct Labor	\$6,517
Indirect Costs	\$7,233

Task 2.6 Regional Pavement Management System - Data Collection

OBJECTIVE:

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

1. Collect roadway 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. Work with MassHighway to try to update the Roadway Inventory database with the aid of the unique roadway segment identifier developed by MassHighway.
6. Conduct quality control checks of inventory data and condition data.
7. 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
FHWA PL (80%)	\$18,000	10 weeks
MassHighway (20% match)	\$ 4,500	3 weeks
TOTAL	\$22,500	13 weeks

Direct Labor	\$10,664
Indirect Costs	\$11,836

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 Westfield CBD Traffic Circulation Study

OBJECTIVE:

A number of ongoing development projects have the potential to significantly change traffic flow through the Central Business District (CBD) in the City of Westfield. These projects include the Great River Bridge project, a proposed multi-modal center, new hotel, a performing arts center, and new dormitories for Westfield State College. This study will examine the potential impact of these project on existing traffic flow and study alternative flow patterns that contribute to improved pedestrian flow and assist in the revitalization of the CBD.

PREVIOUS WORK:

1. Holyoke Downtown Flow Study
2. Outer Belt Transportation Study
3. Route 10/202 Corridor Study – Southwick and Westfield

PROPOSED ACTIVITIES:

1. Perform data collection to obtain information on existing traffic volumes, transit ridership, physical roadway conditions, and the status of existing traffic control equipment.
2. Obtain historical crash data to perform a safety analysis for the CBD.
3. Utilize information from previous studies to assess the potential traffic impacts of proposed new development projects.
4. Coordinate the development of alternative traffic flow scenarios in cooperation with the City of Westfield.
5. Analyze each alternative with the regional transportation model or other appropriate methodology.
6. Coordinate public participation efforts to identify a preferred flow scenario.
7. Develop a Draft and Final Report.

PRODUCTS:

1. Alternative Flow Maps
2. Draft Report
3. Final Report

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 30,000	17 weeks
MassHighway (20% match)	\$ 7,500	4 weeks
FTA S. 5303	\$ 6,250	3 weeks
PVTA S. 5307	\$ 3,125	2 weeks
TOTAL	\$46,875	26 weeks

Direct Labor	\$22,216
Indirect Costs	\$24,659

Task 3.2 Transit System Surveys and Route Implementation

OBJECTIVE:

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

PREVIOUS WORK:

1. PVRTA Route B7, B43, M40, and P20 Passenger Surveys.
2. PVRTA Route G19, R10, R22, and R42 Passenger Surveys.
3. PVRTA Systemwide Route Survey.

PROPOSED ACTIVITIES:

1. Refine the methodology used to conduct PVRTA surveys in the most efficient manner possible. Ongoing task.
2. Work with PVRTA and its operator to evaluate the questions on the surveys in order to collect all necessary information.
3. Work with PVRTA 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 PVRTA to consider for implementation.
5. Develop a sampling methodology to use existing and planned surveys of PVRTA routes to create a profile of riders in anticipation of a comprehensive operational analysis.

PRODUCTS:

1. Onboard Passenger Surveys and ridership reports as required by PVRTA.

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 46,875	25 weeks
PVRTA S. 5307	\$ 34,375	18 weeks
FTA S. 5316	\$ 5,000	2 weeks
TOTAL	\$86,250	45 weeks

Direct Labor	\$40,877
Indirect Costs	\$45,373

Task 3.3 Intermodal Connector Review

OBJECTIVE:

Public roadways that provide freight connections to the National Highway System (NHS) are critical components of the regional transportation system. This task will evaluate the condition and performance of intermodal connectors and their related investment needs.

PREVIOUS WORK:

1. Merrick Memorial Neighborhood Study
2. Roadway Functional Classification Reviews

PROPOSED ACTIVITIES:

1. Perform windshield surveys and safety audits along all intermodal connector roadways in the PVPC region.
2. Update daily traffic count information as necessary.
3. Develop recommendations to improve traffic flow and safety.

PRODUCTS:

1. Draft and Final Report.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 8,000	4 weeks
MassHighway (20% match)	\$ 2,000	1 week
TOTAL*	\$10,000	5 weeks

Direct Labor	\$ 4,740
Indirect Costs	\$ 5,260

Task 3.4 Regional Freight Planning**OBJECTIVE:**

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

PREVIOUS WORK

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

PROPOSED ACTIVITIES:

1. Assist freight users and suppliers in seeking public sector support for projects that promote regional economic development. Ongoing task.
2. Participate in FHWA “Talking Freight” web conferences. As needed.
3. Technical support to local communities to advance improvements to existing railway infrastructure.
4. Work with the Capital Region Council of Governments (CRCOG) to develop a regional conference on freight issues and the importance of freight in the Hartford-Springfield economy.

PRODUCTS:

1. Technical reports, memoranda, surveys, computerized databases, GIS and other map products, meetings, workshops, forums, grant applications, project proposals, etc. which are produced in conjunction with the execution of this work task.
2. Regional Freight Conference.

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

Direct Labor	\$ 7,109
Indirect Costs	\$ 7,891

Task 3.5 Regional Congestion Management Process-Project Development

OBJECTIVE:

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

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. Route 10/202 Traffic Study – Southwick
7. Florence Road Transportation Study – Northampton
8. Granby Master Plan Transportation Component
9. Route 10 Corridor Study - Easthampton

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 CMP 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 gauge the effectiveness on decreasing congestion. Update the regional listing of congested locations as appropriate based upon changes in travel time data.
4. Continue efforts to verify existing congestion problems experienced along Interstate 91 and 291 off-ramps. Conduct analysis as appropriate to develop recommendations to reduce congestion in these areas.
5. Serve as a member of the Connecticut River Crossing Study Advisory Committee to assist the Massachusetts Highway Department in its efforts to reduce congestion and improve safety at Interstate 91 Interchange 19. Collect data and perform analysis as necessary to assist in the advancement of a preferred recommendation towards construction.
6. Update the annual Congestion Management Process report for the Pioneer Valley MPO.
7. Work with the City of Springfield to advance a congestion study for the following two locations.
 - a) Page Boulevard at Goodwin Street. PVPC staff will perform data collection at this unsignalized intersection and perform a traffic signal warrant analysis. A series of recommendations will be developed to improve traffic flow in this area.
 - b) Berkshire Avenue at Cottage Street. This signalized intersection will be studied to determine potential improvement alternatives to reduce long delays that can occur during the peak hours of traffic.
8. Perform necessary data collection to advance a congestion study for Route 5 (Northampton Street) from Route 202 (Beech Street) to

Whiting Farms Road. Specifically, study the four existing signalized interactions along this corridor to develop recommendations to reduce congestion in this area.

9. Work with MassHighway and local communities to develop locations for new park and ride lots for the Pioneer Valley region. PVPC staff will focus on existing underutilized parking areas that could potential be designated as park and ride lots for weekday commuter traffic.
10. An increase in telecommuting as well as virtual commuting has lead to a change in travel patterns in terms of time of day and distance traveled for non-traditional commuters. As gas prices increase and people adjust their life styles to adapt to various effects of climate change, travel behaviors are anticipated to shift. The goal of the task is to study the travel behavior of the virtual commuter versus the physical commuter. The objective is to identify a major employer to conduct a two week travel diary survey for its employees. The travel diary survey results will be summarized in an effort to understand individual virtual commuter activity patterns in our region.

PRODUCTS:

1. Monthly status reports to MassHighway as part of the routine invoicing.
2. CMP Annual Report updates to MassHighway
3. Springfield Congestion Study
4. Route 5 Congestion Study – Holyoke.
5. Development of new regional park and ride lot locations.
6. Virtual Commuter Survey.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 82,189	46 weeks
MassHighway (20% match)	\$ 20,547	11 weeks
FTA S. 5303	\$ 3,750	2 weeks
PVTA S. 5307	\$ 5,625	3 weeks
TOTAL	\$112,111	62 weeks

Direct Labor	\$53,133
Indirect Costs	\$58,978

Task 3.6 Regional Pavement Management System - Project Development

OBJECTIVE:

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

1. Assist interested RPAs in a demonstration of CarteGraph as the newly adopted Pavement Management software for the region.
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.

3. Assist in the prioritization of pavement projects included as part of the Pioneer Valley TIP.
4. Provide municipalities with condition and analysis information as available.

PRODUCTS:

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

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

Direct Labor	\$11,848
Indirect Costs	\$13,152

Task 3.7 Connecticut River Walk & Bikeway Coordination

OBJECTIVE:

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

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

PREVIOUS WORK:

1. Completed planning, oversaw engineering and design phases, and assisted in construction phase for the Connecticut River Walk segments in Springfield and Agawam, which have now been constructed and opened for public use.
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.
4. Assisted Chicopee, West Springfield, Agawam and Holyoke in advancing design plans for Riverwalk projects.

PROPOSED ACTIVITIES:

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

planning, design and construction issues on an ongoing basis. *(Schedule: ongoing)*.

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

PRODUCTS:

1. Bikeways Advisory Committee meetings and activities, as needed.
2. Public support network;
3. Technical assistance to communities.
4. Installed Riverwalk signs and banners.
5. Establishment of Riverwalk Friends group.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 7,200	4 weeks
MassHighway (20% match)	\$ 1,800	1 week
TOTAL	\$9,000	5 weeks

Direct Labor	\$ 4,265
Indirect Costs	\$ 4,735

Task 3.8 Regional Safety and Planning Studies

OBJECTIVE:

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. Maple and High Streets Traffic Flow Study – Holyoke.
2. Feeding Hills Center Safety Study – Agawam
3. Boston and Maine Railroad Bridge Safety Study – Northampton
4. Route 141 Safety Study – Easthampton and Holyoke
5. Main Street at Jackson Street Safety Study – Holyoke
6. Interstate 291 off ramp at Shawinigan Drive Study – Chicopee
7. North Pleasant at Fearing Street Intersection Study – Amherst
8. Top 100 High Crash Intersections Report

PROPOSED ACTIVITIES:

1. Utilize the Top 100 High Crash Intersections Report to work with local communities to develop intersection safety studies. PVPC staff will perform an assessment of existing field conditions at each intersection. Local historical crash data and existing traffic volumes will be collected analyze existing conditions. A series of improvement recommendations will be developed in consultation with MassHighway and local officials to improve safety in these areas. Candidate locations for study include:
 - c) The intersection of Granby Road with McKinstry Avenue and Montgomery Street in the City of Chicopee.
 - d) Maple Street at Resnic Boulevard in the City of Holyoke.
 - e) North Main Street (Route 20) at Wilbraham Street (Route 20), Sykes Street (Route 181), and Shearer Street in the Town of Palmer.
 - f) Dwight Street at Worthington Street in the City of Springfield.
2. Review and update as appropriate the 2006 and 2007 MassHighway crash data for the PVPC region.
3. 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.
4. Perform safety, traffic calming and truck exclusion route studies as requested by member communities. As necessary.

PRODUCTS:

1. Intersection Safety Study Reports.

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$ 75,000	42 weeks
MassHighway (20% match)	\$ 18,750	10 weeks
FTA S. 5303	\$ 6,250	3 weeks
PVTA S. 5307	\$ 3,125	2 weeks
TOTAL	\$103,125	57 weeks

Direct Labor	\$48,874
Indirect Costs	\$54,251

Task 3.9 Intelligent Transportation Systems (ITS) - Strategic Planning

OBJECTIVE:

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

PREVIOUS WORK

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

5. PVTA Integrated Transit Management System Functional Specifications.
6. RTIC Steering Committee.

PROPOSED ACTIVITIES:

1. Assist in the advancement of the design/build construction project to install fiber optic communications and ITS infrastructure along the I-91 corridor. As needed.
2. Work with communities to incorporate the FHWA ITS National Architecture into future improvement projects. Ongoing task.
3. Serve as a member of the Steering Committee for the Regional Traffic Information Center (RTIC).
4. Certify TIP project compliance with the Western Massachusetts Regional Architecture. Ongoing task as needed.
5. Assist the PVTA in implementation of their ITS Deployment Plan. Ongoing task. Meetings will be convened as necessary.
6. Assist PVTA in data collection and management for ITS related products, including databases of PVTA bus stops and transit landmarks.
7. Assist PVTA in the preparation of FTAs ITS System Engineering Review Form for all federally funded projects.
8. Assist EOTPW and PVTA in the update of the Western Massachusetts ITS Regional Architecture. As necessary
9. Work with EOTPW to promote the use of their event reporting system in the PVPC. Coordinate the update of relevant construction activities and special event that could negatively impact traffic flow into a regional web database.

PRODUCTS:

1. Recommendations and comments as necessary as part of Steering Committee activities.
2. Technical Memoranda and reports as appropriate.
3. ITS System Engineering Review Forms

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

Direct Labor	\$17,773
Indirect Costs	\$19,727

Task 3.10 Project Development Process Primer

OBJECTIVE:

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

1. Work with the Pioneer Valley MPO to develop a primer for local communities to provide information on how to properly advance transportation needs into viable transportation improvement projects.
2. Develop a short presentation (DVD format, web video) that could be used as a community resource to educate locally elected officials and the general public on the project development process.

PRODUCTS:

1. DVD / Web Video.

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

Direct Labor	\$ 7,109
Indirect Costs	\$ 7,891

Task 3.11 Climate Change Implementation Plan

OBJECTIVE:

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

1. Inventory greenhouse gas emissions and energy consumption for the Pioneer Valley region in 1990, the current year, and projections for 2020, and identify key sources of GHG emissions and energy consumption.
2. Increase public awareness that local actions are needed to contribute to global warming solutions;
3. Identify specific local and regional actions to reduce GHG emissions, and which could help to implement ICLEI Agreements, the state's *Climate Change Action Plan*, the Mayor's Conference Climate Change Protection Agreement, and the Regional Greenhouse Gas Initiative (RGGI).

PRODUCTS:

1. Data collection and synopsis for GHG emissions and energy consumption in the Pioneer Valley for Climate Change Implementation Plan
2. Identification of local and regional GHG reduction strategies applicable to the Pioneer Valley region

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

Direct Labor	\$ 3,791
Indirect Costs	\$ 4,209

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. PVTA System Map.
6. PVTA Tripper review and development of customer information on Tripper service.
7. PVTA Fare and Cost Analysis.

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.
4. Assist PVTA in the system wide analysis of their operations, the market they serve and the needs of their passengers and other stakeholders. Conduct requested cost studies, contractor performance analyses, consultant evaluations and other management studies.
5. Participate in PVTA organized focus group meetings.
6. Assist PVTA in the research of system safety improvements. Create a procedure for PVTA and its operators to track safety incidents.
7. Continue to assist the PVTA in developing new transportation programs in response to reform initiatives, including the New Freedom Program and the Job Access and Reverse Commute Program.
8. Provide GIS Data development to support PVTA fixed route scheduling and information software systems. Obtain and adapt relevant software for use as needed, including the development of database or GIS for specific projects, in consultation with the PVTA. Provide ongoing support to PVTA's fixed route scheduling and information software system.

9. Revise/update PVTA schedules twice annually for Summer and Fall service changes.
10. Work with the PVTA to advance the installation of bicycle racks on transit vehicles in the southern service tier.
11. Assist in regional efforts to redevelop the Union Station project into a new Regional Intermodal Transportation Center. Continue to provide planning support for other multi-modal centers such as those proposed for Holyoke and Westfield. 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.
12. Work with PVTA, FRTA, CDOT and CRCOG to address issues studies and proposals for cross-region and cross-border services.

PRODUCTS:

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

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 80,504	45 weeks
PVTA S. 5307	\$ 85,625	46 weeks
FTA S. 5316	\$ 10,743	6 weeks
FTA New Freedom	\$ 7,827	4 weeks
TOTAL	\$184,699	101 weeks

Direct Labor	\$ 87,535
Indirect Costs	\$ 97,164

Task 4.2 Paratransit Planning Assistance

OBJECTIVE:

To fulfill the planning and programming requirements of the US DOT Section 504 regulations and other planning requirements under the Americans with Disabilities Act. This task consists of planning for the provision of special transportation services for the elderly and disabled through technical assistance to the PVTA, the communities, human service agencies, private sector entities and other parties involved in meeting special transportation needs.

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 a searchable database to identify eligible paratransit service locations.
4. Southwick Transit Study.
5. FY 2008 Paratransit Survey

PROPOSED ACTIVITIES:

1. Assist the Pioneer Valley Transit Authority (PVRTA) in continuing to plan for actions that are needed to comply with regulations promulgated under the Americans with Disabilities Act; including the evaluation of the operating policies, setting up of a public participation program, survey analysis of recent operational consolidations, and operational analysis of individual paratransit operations as needed.
2. Provide technical and administrative support to the Joint Transportation Committee on mobility issues and problems of relevance to elderly and disabled persons.
3. Provide guidance to applicants for Section 5311 and State Mobility Assistance Program awards concerning program requirements and service coordination options.
4. Provide assistance and support to PVRTA in the implementation of paratransit scheduling and information software systems.

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.

Source	Budget	Est. Staff Effort
FTA S. 5303	\$ 9,375	5 weeks
PVRTA S. 5307	\$ 6,250	3 weeks
FTA New Freedom	\$ 2,500	2 weeks
TOTAL	\$18,125	10 weeks

Direct Labor	\$ 8,590
Indirect Costs	\$ 9,535

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

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

1. Continue to provide staff support to the Valley Development Council, which provides input from community officials and the development

- community in implementing Valley Vision 2. Coordinate ongoing VDC activities, including a design competition for smart growth re-use of a town center site.
2. Coordinate a public outreach and education campaign to increase public awareness of the problems of urban sprawl and what individuals and communities can do about it
 3. 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
 - i) Local strategies to address global climate change and reduce greenhouse gas emissions.
 4. Provide continued, targeted technical assistance to communities across the Pioneer Valley on an as-needed basis to implement the above pilot projects for Valley Vision strategies. These strategies may include new local zoning bylaws and land use regulations, and policies on infrastructure improvements/extensions.

PRODUCTS:

1. Coordination of quarterly meetings of the Valley Development Council.
2. Public outreach and education materials and campaign on urban sprawl.
3. Summary of assistance provided to communities to implement strategies from Valley Vision.

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

Direct Labor	\$14,689
Indirect Costs	\$16,311

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. Revised and update the Pioneer Valley bike map. Copies were distributed during bike commute week and through local bike shops.
2. Bike-ped subcommittee to the Joint Transportation Committee.
3. Survey of users on the Easthampton Manhan Rail Trail.
4. Developed model bicycle parking bylaws.
5. Facilitated Training for Planners on Pedestrian and Bicycle Accommodations.
6. Assisted in the coordination for the Massachusetts Statewide Bicycle and Pedestrian Conference.
7. Facilitate Safe Route to School initiatives in Northampton.
8. Facilitate update of regional Bike/Ped plan.
9. Bicycle Level of Service Model for Amherst, Northampton, East Longmeadow, Holyoke and Westfield.
10. Pioneer Valley Region Latent Demand Model of Bicycle Trips for Northampton, Easthampton, and Amherst.
11. Provide technical assistance to area communities to develop and/or implement programs to improve conditions for pedestrians and bicyclists.
12. Pioneer Valley Bike Commute Week – 1996 – 2008.
13. Developed a bikepath feasibility study for the Town of Palmer to identify connections to the Massachusetts Central Rail Trail.
14. 2007 Update to the Pioneer Valley Bicycle and Pedestrian Plan.

PROPOSED ACTIVITIES:

1. PVPC staff will collect GPS coordinates and trail alignments for popular (publicly accessible) off road bicycling and hiking routes. The GPS alignments and waypoints will be available for downloading on the PVPC interactive web site.
2. PVPC will coordinate with local communities, the Capital Region Council of Governments, and Franklin Regional Council of Governments on the expansion of the 2010 Active Transportation Network Project. This project will implement recommendation of the Regional Bicycle and Pedestrian Plan and the Regional Transportation Plan.
3. Review and research opportunities for the installation and management of bike sharing stations in the Pioneer Valley Region.
4. 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
5. PVPC will participate in the Statewide Bicycle and Pedestrian Conference “Moving Together.”
6. Facilitate the 14th annual Pioneer Valley Bike Commute Week in collaboration with MassBike and area communities.
7. 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.

8. Facilitate local efforts to implement traffic calming in areas of high pedestrian traffic.
9. 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.
10. PVPC staff will review highway projects that significantly impact bicycle and pedestrian modes of travel, including projects identified in the Regional Bicycle and Pedestrian Plan.
11. Continue support for the activities of the Joint Transportation Committee's Bicycle and Pedestrian subcommittee.
12. 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.
13. 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.
14. 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.
15. Create a series of educational tools that help travelers assess the feasibility and advantages of shifting travel modes from motor vehicles to non motorized modes such as walking and bicycling, especially for shorter trips.
16. Explore opportunities for posting the regional bicycle map online.
17. Staff will coordinate with the City of Springfield on the "Springfield Walks" initiative and continue to assist in the implementation of the coalition's goals and objectives.
18. Finalize the update process of the Pioneer Valley Regional Bicycle and Pedestrian plan and distribute the plan throughout the region.

PRODUCTS:

1. GPS waypoints and trail alignments for public use available on the PVPC web site.
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. 14th annual Pioneer Valley Bike Commute Week.
7. Update report on root barrier effectiveness.
8. Updated Pioneer Valley regional bike/ped plan.
9. Web based conversion table that help assess both savings and benefits of biking in terms of money, gas, emissions and calories burned for different number of miles biked

Source	Budget	Est. Staff Effort
FHWA PL (80%)	\$43,500	24 weeks
MassHighway (20% match)	<u>\$10,875</u>	<u>6 weeks</u>
TOTAL	\$54,375	30 weeks

Direct Labor	\$25,770
--------------	----------

Indirect Costs	\$28,605
----------------	----------

Task 4.5 Local Technical Assistance

OBJECTIVE:

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

PREVIOUS WORK:

1. Zanetti School Study – Springfield.
2. Data collection activities at the request of local communities.
3. Reviews of all MEPA documents filed in the Pioneer Valley Region.
4. Developed a brochure for the City of Northampton on transit.
5. Model sidewalk ordinances.
6. East Longmeadow Town Center Project.

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 the third annual October is Clean Energy month for the Pioneer Valley in collaboration with Five Colleges, Inc. the Center for Ecological Technology and MassBike.
9. Facilitate development and implementation of the Pioneer Valley renewable energy strategic plan.

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. I-91 Corridor report.
5. "Clean Energy" month materials.
6. Pioneer Valley Renewable energy strategic plan materials.

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

Direct Labor	\$17,299
Indirect Costs	\$19,201

Task 4.6 Local Pavement Management Program**OBJECTIVE:**

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

PREVIOUS WORK:

1. Local Pavement Management Study for Belchertown.
2. Local Pavement Management Study for Southwick.
3. Local Pavement Management Study for Wilbraham.
4. Pavement Management data collection training for local communities.
5. Local Pavement Management Study for Goshen.
6. Local Pavement Management Study for Hadley.

PROPOSED ACTIVITIES:

1. Update the pavement management program for the City of Agawam.
2. Identify additional rural, suburban, and urban communities interested in conducting pavement management programs.
3. 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.
4. Document the efforts undertaken and review the results with officials from the selected municipalities.
5. 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 as well as the newly adopted pavement management software.
6. Monitor progress in each community to allow for updating of resource data for continuing pavement management.
7. Provide selected communities with a pavement condition map of all surveyed roadway segments.
8. Provide follow-up technical assistance to communities with pavement management programs already in place.
9. Collect GPS coordinate information for all new roadways to assist in Mapping.

PRODUCTS:

1. New Municipal Pavement Management Systems.

2. Pavement Management Program Update for the City of Agawam.
3. Updates for existing municipal pavement management plans, as requested.

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

Direct Labor	\$5,498
Indirect Costs	\$6,102

Task 4.7 Jacob's Ladder Trail Scenic Byway Project

OBJECTIVE:

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

The following activities began during FY 2007 and are expected to continue into FY2009.

1. Corridor Management Project II.
 - a) Consultant will assess current corridor management plan and prepare a revised ten-year plan.

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

PRODUCTS:

- 1. Revised Corridor Management Plan and improved organization structure.

Source	Budget	Est. Staff Effort
FHWA Scenic Byway	\$159,200	85 weeks
MassHighway Match	<u>\$ 39,800</u>	<u>21 weeks</u>
TOTAL	\$199,000	106 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. This is year 2 of this task.

PREVIOUS WORK

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

PROPOSED ACTIVITIES:

- 1. Coordinate meetings of the Byway Area Committee for the Connecticut River Scenic Farm Byway. Provide meeting notices, materials, minutes and staff support.
- 2. Prepare application and materials for federal Scenic Byway designation for the Connecticut River Scenic Farm Byway with assistance from EOTPW.
- 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
FHWA PL (80%)	\$4,000	1 week
MassHighway (20% match)	\$1,000	1 week
TOTAL	\$5,000	2 weeks

Direct Labor	\$2,369
Indirect Costs	\$2,631

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 task is tied to the advancement of the redesign of the Union Street railroad overpass.

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

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

PRODUCTS:

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

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

Direct Labor	\$ 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 is year 2 of a 2 year study. Funding for Phase I activities has been secured, Phase II funding is pending.

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

1. Continue to work with the Regional Byway Advisory Committee.
2. Continue to coordinate policies and work products with FRCOG through inter-agency meetings.
3. Define marketing program to promote agricultural, heritage and recreational tourism resources, including development of web site or brochure.
4. Conduct one public forum in each region for residents of Route 112 Scenic Byway.
5. Evaluate existing land use regulations and resource protection measures along the corridor. Develop "model" planning tools to improve existing measures for each community.
6. 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.
7. Develop implementation strategies and preliminary cost estimates for recommendations of the Regional Corridor Management Plan.

PRODUCTS:

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

Source	Budget	Est. Staff Effort
Phase I - FHWA Scenic Byway	\$ 92,462	49 weeks
Phase II - FHWA Scenic Byway	<u>\$ 38,500</u>	<u>22 weeks</u>
TOTAL	\$130,962	71 weeks

	Phase I Tasks	Phase II Tasks
Direct Labor	\$ 39,592	\$16,682
Indirect Costs	\$ 43,947	\$18,517
Direct Costs	\$ 8,923	\$3,301

Task 4.11 Pioneer Valley Trails Map

OBJECTIVE:

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

PREVIOUS WORK:

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

PROPOSED ACTIVITIES:

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

PRODUCTS:

1. Pioneer Valley Trails Map

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

Direct Labor	\$ 3,791
Indirect Costs	\$ 4,209
Direct Costs	\$ 3,000

ESTIMATED COMPLETION SCHEDULE OF PLANNING ACTIVITIES

Task	Product	Anticipated Completion
1.2	FY2009 UPWP	June 2009
1.3	Transportation Planning After School Program	Spring 2009
1.4	FY2009 - 2012 TIP	June 2009
1.6	Environmental Justice Planning	Ongoing
2.1	Regional Traffic Counts	Ongoing
2.2	Regional Travel Demand Modeling	Ongoing
2.3	GIS, Mapping, and Graphics	Ongoing
2.4	Information Center Reports	Ongoing
2.4	Maintenance of Socio-economic Data	Ongoing
2.4	Update Information Center Website	February 2009
2.4	Updated Major Employers Report	Fall 2008
2.4	Labor Market Analysis of Commuter Rail	Fall 2008
2.5	CMP Data Collection	Ongoing
2.6	PMS Data Collection	Ongoing
3.1	Westfield CBD Traffic Circulation Study	August 2009
3.2	Transit Route Surveys	Ongoing
3.3	Intermodal Connector Review	February 2009
3.4	Regional Freight Planning	Ongoing
3.5	Virtual Commuter Survey	January 2009
3.5	CMP Annual Report	September 2009
3.5	Springfield Congestion Study	Spring 2009
3.5	Route 5 Congestion Study – Holyoke	Summer 2009
3.5	Development of New Park and Ride Lots	Ongoing
3.6	PMS Project Development	Ongoing
3.7	CT Riverwalk Sign Development	Summer 2009
3.8	Chicopee Safety Study	December 2009
3.8	Holyoke Safety Study	April 2009
3.8	Palmer Safety Study	July 2009
3.8	Springfield Safety Study	September 2009
3.9	Western Mass ITS Architecture Updates	Ongoing
3.9	Regional Event Reporting System	Ongoing
3.10	Project Development Process Primer	February 2009
3.11	Climate Change Implementation Plan	Fall 2010
4.1	Route Ridership Studies	Ongoing
4.1	PVTA Schedule Updates	Summer 2009 and Fall 2009
4.2	Paratransit Planning	Ongoing
4.3	Smart Growth Community Bylaws	Fall 2009
4.4	Root Barrier Report Update	Spring 2009
4.4	Bike Commute Week	Spring 2009
4.4	Bicycle Benefits Calculator	December 2008
4.5	Local Technical Assistance	Ongoing
4.6	Agawam Pavement Management Report	February 2009
4.7	Jacob's Ladder Trail II Report	Fall 2008
4.10	Route 112 Scenic Byway Study	Winter 2008
4.11	Regional Trail Map	Fall 2009

ADDITIONAL PLANNING PROJECTS

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

Connecticut River/I-91 Corridor Study

PROPOSED SCOPE

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

PROPOSED ACTIVITIES

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

Interstate Route I-91 Major Corridor Planning Study

OBJECTIVE:

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

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

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

MassHighway District 2 initially requested this study in 2006. A new study would further develop the original concepts recommended for this area. In addition, the study would evaluate traffic operations through the collection of new traffic count data, the analysis of crash data, and development of an origin/destination travel survey. Key recommendations from previous studies should be re-evaluated along with existing substandard geometric features such as the existing I-91 median shoulder width. The final product would be a plan featuring short and long-term recommendations to improve safety and reduce congestion along the I-91 corridor.

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

Evacuation Planning Project

PROPOSED SCOPE

The goal of the Evacuation Planning Project would be for the University of Massachusetts Transportation Center (UMTC) to assist the Berkshire Regional Planning Commission, Franklin Regional Council of Governments and the Pioneer Valley Planning Commission in formulating an evacuation planning strategy. More specifically, the objective of the Project would be to demonstrate how TransCAD can be integrated into this strategy to aid the regions in identifying transportation related actions that might be taken during an evacuation.

PROPOSED ACTIVITIES

1. Identify the critical transportation links in each region and during what time of day they are most critical. Consider the anticipated traffic impacts if the use of such links were totally lost (or partially constrained) during a disaster (e.g. a hurricane that has the potential of creating severe flooding leading to road closures). Identify how these impacts vary by time of day and day of week. Identify the alternate routes and other transportation services which would be necessary in order to evacuate people effectively to a safe location (e.g. home, a shelter).
2. Compile data required to use TransCAD in each region. These data would include network files, trip tables, and other information to perform the four step modeling process within TransCAD. It should be stressed that depending on the time of day, week, and year that some of these people will be at work, at home, school or at other locations and some may have special mobility needs. It should also be noted that the availability of trip data and other information will dictate the extent to which temporal characteristics can be considered.
3. Meet with representatives from the three regions to review the results of the previous task in order to determine what additional data if any are required to use TransCAD. In addition, evacuation scenarios to be considered in next task will be formulated as part of this meeting. Five scenarios will be examined including one for each County and one for the entire four county area.
4. Employ TransCAD to address the questions stated above under the scenarios developed in the previous task.
5. Document the results of all tasks in a Technical Report and present these results to the regional representatives. The Report will describe the critical links in each county; review the major impacts should such links be effected; and highlight the transportation actions that should be considered in response to these impacts.
6. Provide a training session on campus to selected individuals in each region. The training would provide "hands on" experience to show regional representatives how to use TransCAD to analyze evacuation scenarios and to address key decision support related questions.

Source	Budget	Est. Staff Effort
EOPS Grant	\$100,000	50 weeks
TOTAL	\$100,000	50 weeks

Route 9 Transit Study

OBJECTIVE:

In the development of the Connecticut River Crossing Study (CRCS) 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 CRCS. The PVPC would work with the Pioneer Valley Transit Authority, the Massachusetts Highway Department and the communities of Amherst, Hadley and Northampton to develop the study methodology and perform all required data collection. The services of a private consulting firm would be sought to coordinate the public participation process, analyze the effectiveness of the transit recommendations included as part of the CRCS, 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.

This study would not be limited to the recommendations found in the CRCS. Rather, those recommendations would serve as a base from which additional recommendations may be developed and explored. This work would not be completed in a single fiscal year and is expected to carry over into FFY 2010.

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. Develop a ridership survey for existing transit routes on the Route 9 corridor.
4. Collect the latest information on transit ridership and travel times along the Route 9 corridor.
5. Review and analyze the proposed Transit Recommendations from the CRCS. Supplement these recommendations with any additional transit strategies that could be developed. At a minimum:
 - a) Review and analyze the feasibility of implementing a Hybrid Bus Rapid Transit System for the Route 9 corridor.
 - b) Develop a prioritized listing of alternatives for implementation.
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
Section 5303	\$ 25,000	10 weeks
Section 5307	\$ 25,000	10 weeks
To Be Determined	<u>\$150,000</u>	<u>60 weeks</u>
TOTAL	\$200,000	80 weeks

FUNDING PROFILE

FFY 2009 Unified Planning Work Program Funding Profile

	Total	FHWA 3C PL	MHD 3C Match	Local Match	FTA S. 5303	PVTA* S. 5303 Match	PVTA S. 5307	PVTA S. 5307 Match	FTA S. 5316	FTA New Freedom	FHWA Scenic Byway	TCSP Grant
1.0 Management & Certification of the 3C Process												
1.1 Management of the 3C Process	71,250	30,000	7,500		12,000	3,000	5,000	1,250	7,500	5,000		
1.2 Unified Planning Work Program	8,125	5,500	1,375		1,000	250						
1.3 Public Participation Process	52,250	23,800	5,950		6,000	1,500	4,000	1,000	5,000	5,000		
1.4 TIP Development	70,000	40,000	10,000		10,000	2,500	6,000	1,500				
1.5 Statewide Funding Proposal Assistance	5,000	2,000	500				2,000	500				
1.6 Environmental Justice	35,000	12,500	3,125		7,500	1,875	8,000	2,000				
Subtotal of Section 1.0	241,625	113,800	28,450		36,500	9,125	25,000	6,250	12,500	10,000		
2.0 Technical Support & Data Collection												
2.1 Traffic Counting	37,500	30,000	7,500									
2.2 Regional Travel Demand Modeling/Clean Air Planning	73,750	48,000	12,000		3,500	875	7,500	1,875				
2.3 GIS, Mapping and Graphics	77,675	46,140	11,535		7,000	1,750	5,000	1,250	5,000			
2.4 Information Center	51,250	40,000	10,000		1,000	250		0				
2.5 Regional Congestion Management System - Data Collection	13,750	11,000	2,750					0				
2.6 Regional Pavement Management System - Data Collection	22,500	18,000	4,500									
Subtotal of Section 2.0	276,425	193,140	48,285		11,500	2,875	12,500	3,125	5,000	0		
3.0 RTP Planning												
3.1 Westfield CBD Traffic Circulation Study	46,875	30,000	7,500		5,000	1,250	2,500	625				
3.2 Transit System Surveys & Route Implementation	86,250		0		37,500	9,375	27,500	6,875	5,000			
3.3 Intermodal Connector Review	10,000	8,000	2,000									
3.4 Regional Freight Planning	15,000	12,000	3,000									
3.5 Regional Congestion Management System - Project Development	112,111	82,189	20,547		3,000	750	4,500	1,125				
3.6 Regional Pavement Management System - Project Development	25,000	20,000	5,000									
3.7 Connecticut River Walk & Bikeway Coordination	9,000	7,200	1,800									
3.8 Regional Safety and Planning Studies	103,125	75,000	18,750		5,000	1,250	2,500	625				
3.9 Intelligent Transportation Systems (ITS) - Strategic Planning	37,500	18,000	4,500				12,000	3,000				
3.10 Project Development Process Primer	15,000	12,000	3,000									
3.11 Climate Change Implementation Plan	8,000	6,400	1,600									
Subtotal of Section 3.0	467,861	270,789	67,697	0	50,500	12,625	49,000	12,250	5,000	0	0	0
4.0 Ongoing Transportation Planning												
4.1 Regional Transit Planning	184,699				64,403	16,101	68,500	17,125	10,743	7,827		
4.2 Paratransit Planning Assistance	18,125				7,500	1,875	5,000	1,250		2,500		
4.3 Implementing the Regional Land Use Plan	35,000	28,000	7,000									
4.4 Regional Bicycle & Pedestrian Planning	54,375	43,500	10,875									
4.5 Local Technical Assistance	36,500	29,200	7,300									
4.6 Local Pavement Management Program	11,600			11,600								
4.7 Jacob's Ladder Trail Scenic Byway Project	199,000										199,000	
4.8 Connecticut River Scenic Farm Byway Project	5,000	4,000	1,000									
4.9 Merrick/Memorial Neighborhood Plan Implementation	175,000											175,000
4.10 Route 112 Scenic Byway Corridor Project	130,962										130,962	
4.11 Regional Trail Map	8,000	6,400	1,600									
Subtotal of Section 4.0	675,261	111,100	27,775	11,600	71,903	17,976	73,500	18,375	10,743	10,327	329,962	175,000
MHD 3C Direct Costs	50,000	40,000	10,000									
Program Sum	1,894,172	728,829	182,207	11,600	170,403	42,601	160,000	40,000	33,243	20,327	329,962	175,000

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

FUNDING SUMMARY

Transportation Funding	Value	% of Total
FHWA PL (80%)	\$ 728,829.00	27.46%
MassHighway PL (20% match)	\$ 182,207.00	6.86%
FTA Section 5307 (80%)	\$ 178,403.00	6.72%
PVTA Section 5307 (20% match)	\$ 44,601.00	1.68%
FTA Section 5303 (80%)	\$ 160,000.00	6.03%
PVTA Section 5303 (20% match)	\$ 40,000.00	1.51%
FTA/PVPC (Section 5316)	\$ 33,243.00	1.25%
FTA/PVPC (New Freedom)	\$ 20,327.00	0.77%
Local Funds (includes in-kind contributions)	\$ 11,600.00	0.44%
* FHWA Scenic Byway Funding	\$ 329,962.00	12.43%
Passenger Rail Study	\$ 750,000.00	28.26%
** USDOT TCSP Grants (estimated)	\$ 175,000.00	6.59%
Total	\$ 2,654,172.00	100.00%
Other Funding	Value	% of Total
MARPA Support Services	\$ 14,000.00	0.58%
EPA/DEP Water Quality Planning	\$ 47,000.00	1.94%
EPA/DWPC Urban Stormwater Management	\$ 28,000.00	1.16%
Pioneer Valley Water Quality Initiatives	\$ 33,000.00	1.37%
* HUD/CDBG Administration - 2006 and 2007 projects	\$ 708,750.00	29.32%
EPA/Local Stormwater Management Planning	\$ 28,000.00	1.16%
Route 9 Construction Mitigation Plan	\$ 29,600.00	1.22%
EOEA Planning Program/MassGIS	\$ 24,800.00	1.03%
* HUD/CDBG Administration - New Projects	\$ 289,750.00	11.99%
Housing Rehab Loan Program Management	\$ 64,000.00	2.65%
EPA/Interstate Watershed Management	\$ 85,950.00	3.56%
Local Service Contracts	\$ 79,600.00	3.29%
FY 2009 Local Assessments	\$ 72,000.00	2.98%
MHC and PVPC Historic Preservation	\$ 59,800.00	2.47%
EPA Brownfields Revolving Loan Fund Management	\$ 47,750.00	1.98%
EOEA Smart Growth Technical Assistance	\$ 82,500.00	3.41%
US/EDA Regional Economic Planning	\$ 96,000.00	3.97%
PVPC Data Center - New Projects	\$ 46,320.00	1.92%
Route 112 Scenic Byway Planning Project	\$ 44,000.00	1.82%
DHCD/Development Regional Affordable Housing Plan	\$ 79,750.00	3.30%
EOPS Homeland Security Planning/GIS Components	\$ 63,300.00	2.62%
MEMA/FEMA Natural Hazards Mitigation Planning	\$ 64,500.00	2.67%
PVTA Transit Mapping and Graphics Support	\$ 30,500.00	1.26%
Smart Growth Initiative - Valley Vision Implementation	\$ 17,000.00	0.70%
501 (C) 3 Non Profit Corporation Revenue	\$ 40,200.00	1.66%
DOE/Development of Renewal Energy Plan	\$ 45,000.00	1.86%
NPS - M&M Trail Feasibility Analysis/Plan	\$ 84,000.00	3.47%
Department of Education - Small Learning Center	\$ 70,000.00	2.90%
Sustainable Development - Regional Research	\$ 32,000.00	1.32%
Miscellaneous	\$ 10,420.00	0.43%
Total	\$ 2,417,490.00	100.00%

* Denotes Pass-through Funding

** For the City of West Springfield

Overall Funding	Value	% of Total
FHWA PL (80%)	\$ 728,829.00	14.37%
MassHighway PL (20% match)	\$ 182,207.00	3.59%
FTA Section 5307 (80%)	\$ 178,403.00	3.52%
PVTA Section 5307 (20% match)	\$ 44,601.00	0.88%
FTA Section 5303 (80%)	\$ 160,000.00	3.15%
PVTA Section 5303 (20% match)	\$ 40,000.00	0.79%
FTA/PVPC (Section 5316)	\$ 33,243.00	0.66%
FTA/PVPC (New Freedom)	\$ 20,327.00	0.40%
Local Funds (includes in-kind contributions)	\$ 11,600.00	0.23%
* FHWA Scenic Byway Funding	\$ 329,962.00	6.51%
Passenger Rail Study	\$ 750,000.00	14.79%
** USDOT TCSP Grants	\$ 175,000.00	3.45%
MARPA Support Services	\$ 14,000.00	0.28%
EPA/DEP Water Quality Planning	\$ 47,000.00	0.93%
EPA/DWPC Urban Stormwater Management	\$ 28,000.00	0.55%
Pioneer Valley Water Quality Initiatives	\$ 33,000.00	0.65%
* HUD/CDBG Administration - 2006 and 2007 projects	\$ 708,750.00	13.97%
EPA/Local Stormwater Management Planning	\$ 28,000.00	0.55%
Route 9 Construction Mitigation Plan	\$ 29,600.00	0.58%
EOEA Planning Program/MassGIS	\$ 24,800.00	0.49%
* HUD/CDBG Administration - New Projects	\$ 289,750.00	5.71%
Housing Rehab Loan Program Management	\$ 64,000.00	1.26%
EPA/Interstate Watershed Management	\$ 85,950.00	1.69%
Local Service Contracts	\$ 79,600.00	1.57%
FY 2009 Local Assessments	\$ 72,000.00	1.42%
MHC and PVPC Historic Preservation	\$ 59,800.00	1.18%
EPA Brownfields Revolving Loan Fund Management	\$ 47,750.00	0.94%
EOEA Smart Growth Technical Assistance	\$ 82,500.00	1.63%
US/EDA Regional Economic Planning	\$ 96,000.00	1.89%
PVPC Data Center - New Projects	\$ 46,320.00	0.91%
Route 112 Scenic Byway Planning Project	\$ 44,000.00	0.87%
DHCD/Development Regional Affordable Housing Plan	\$ 79,750.00	1.57%
EOPS Homeland Security Planning/GIS Components	\$ 63,300.00	1.25%
MEMA/FEMA Natural Hazards Mitigation Planning	\$ 64,500.00	1.27%
PVTA Transit Mapping and Graphics Support	\$ 30,500.00	0.60%
Smart Growth Initiative - Valley Vision Implementation	\$ 17,000.00	0.34%
501 (C) 3 Non Profit Corporation Revenue	\$ 40,200.00	0.79%
DOE/Development of Renewal Energy Plan	\$ 45,000.00	0.89%
NPS - M&M Trail Feasibility Analysis/Plan	\$ 84,000.00	1.66%
Department of Education - Small Learning Center	\$ 70,000.00	1.38%
Sustainable Development - Regional Research	\$ 32,000.00	0.63%
Miscellaneous	\$ 10,420.00	0.21%
Total	\$ 5,071,662.00	100.00%

SUMMARY OF COMMENTS

[illegible]

MPO ENDORSEMENT

PIONEER VALLEY MPO ENDORSEMENT SHEET

The signatures below signify that all members of the Pioneer Valley Region's Metropolitan Planning Organization, or their designees, have met on July 16, 2008 and discussed the following item for endorsement: The Pioneer Valley Region's Federal Fiscal Year 2009 Unified Planning Work Program (UPWP)

Executive Office of Transportation and Construction (EOT)

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


Bernard Cohen
Secretary - EOTPW

07/16/08
Date

Massachusetts Highway Department (MHD)

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


For Luisa Paiewohsky
Commissioner - MHD

07/16/08
Date

Pioneer Valley Planning Commission (PVPC)


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


Hank Barton
Chair - PVPC

July 16 2008
Date

Pioneer Valley Transit Authority (PVTA)


I, Administrator of the Pioneer Valley Transit Authority, hereby
☒ Endorse ☐ Do Not Endorse the above referenced item.


Mary MacInnes
Administrator - PVTA

July 18 2008
Date

City of Holyoke

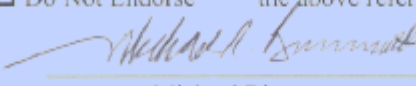
I, Mayor of the City of Holyoke, hereby

☒ Endorse ☐ Do Not Endorse the above referenced item.

Michael Sullivan
Mayor-Holyoke7-16-08

Date**City of Chicopee**


I, Mayor of the City of Chicopee, hereby

☒ Endorse ☐ Do Not Endorse the above referenced item.

Michael Bissonnette
Mayor-Chicopee7/16/08

Date**City of Northampton**


I, Mayor of the City of Northampton, hereby

☒ Endorse ☐ Do Not Endorse the above referenced item.

Mary Clare Higgins
Mayor-Northampton7/16/08

Date**Town of West Springfield**

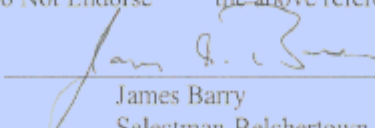
I, Mayor of the Town of West Springfield, hereby

☒ Endorse ☐ Do Not Endorse the above referenced item.

Edward Gibson
Mayor-West SpringfieldJuly 16, 2008

Date**Town of Belchertown**

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

☒ Endorse ☐ Do Not Endorse the above referenced item.

James Barry
Selectman-BelchertownJuly 16, 2008

Date**Town of Granville**

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

☐ Endorse ☐ Do Not Endorse the above referenced item._____
Scott Short
Selectman-Granville_____
Date