Pioneer Valley
Unified Planning Work Program

Fiscal Year 2007
Proposed Amendment
June, 2007

Task 3.5 Regional Congestion Management System-Project Development

OBJECTIVE:

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

EXISTING ACTIVITIES:

1. Work with communities, the Pioneer Valley Transit Authority (PVTA), the MassHighway, and other appropriate agencies to develop strategies to mitigate congestion problems and increase safety through appropriate means.
2. Solicit public participation in CMS activities.
3. Perform travel time data collection for locations with recently completed improvement project. Develop an analysis methodology to compare travel times before and after the completion of transportation improvements to gage the effectiveness on decreasing congestion. Update the regional listing of congested locations as appropriate based upon changes in travel time data.
4. Develop a transportation study for the Route 202 corridor in the Town of Belchertown. PVPC staff will study four existing intersections to identify short and long term recommendations to reduce congestion and improve safety. A traffic signal warrant analysis will be performed for three of the intersections that currently operate under "STOP" sign control.
5. Conduct a study of Florence Road, Scanlon Avenue, Ryan Road, Pine Street and Bliss Street in the City of Northampton to identify the impacts of recent changes to traffic flow in this area. PVPC will collect the necessary traffic data in the vicinity of the study area, analyze existing traffic operations and proposed recommendations as appropriate to improve traffic flow and increase safety.
6. Study existing and future traffic conditions along a congested corridor of Route 20/Boston Road in the communities of Springfield and Wilbraham. The proposed study area will start at the intersection of Boston Road (Route 20) with Parker Street (Route 21) in Springfield and proceed east to the intersection of Boston Road (Route 20) with Old Boston Road in Wilbraham. The Boston Road corridor currently experiences severe congestion and safety problems as a result of a high concentration of retail land uses. PVPC staff will collect data to identify existing and potential future traffic and safety problems along the corridor. An analysis of the feasibility of coordinating the eight signalized intersections along this section of Boston Road will be conducted and recommendations to improve traffic flow will be developed in conjunction with the communities of Springfield and Wilbraham.

7. Complete a study of existing traffic conditions along the Route 10/202 corridor in the Town of Southwick. PVPC will utilize data collected as part of the FFY 2006 UPWP to analyze existing operations along the corridor and develop recommendations to improve traffic flow and increase safety.
8. Update the Congestion Management System Report for the Pioneer Valley MPO.

EXISTING PRODUCTS:

1. Monthly status reports to MassHighway as part of the routine invoicing.
2. CMS Annual Report updates to MassHighway
3. Route 202 Study – Belchertown
4. Boston Road Traffic and Safety Study – Springfield and Wilbraham
5. Florence Road Traffic Study - Northampton
6. Route 10/202 Traffic Study – Southwick

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

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

PROPOSED NEW ACTIVITIES:

1. Perform necessary transportation data collection along the Boston Road corridor to assist the City of Springfield in the advancement of a proposed study to improve traffic flow and safety.
2. Begin data collection and associated transportation inventory work as part of the Route 10 Corridor Study in Easthampton. This study is currently included as part of the Draft FY 2008 UPWP for the Pioneer Valley MPO. PVPC staff will perform data collection to obtain information on existing traffic volumes, transit ridership, physical roadway conditions, and the status of existing traffic control equipment. Historical crash data will also be requested from the Easthampton Police Department to perform a safety analysis for the Route 10 corridor.

PROPOSED NEW PRODUCTS:

1. Boston Road daily traffic count data.
2. Boston Road peak hour turning movement count data.
3. Route 10 data collection – Easthampton.