

PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

Work continued on monitoring the FY 2009 UPWP.

B. Transportation Improvement Program (TIP)

On May 1, the TPB Steering Committee approved an amendment to the FY 2009-2014 TIP at the request of VDOT. At the TPB meeting on May 20, the Board approved six amendments to the FY 2009-2014 TIP for projects receiving ARRA funds. The first amendment was on behalf of VDOT to add ARRA funding to two road projects and one pedestrian project. The second amendment was requested by MDOT to program ARRA funds for bus replacement projects in Charles, Frederick, and Prince George's Counties. The third amendment was requested by Montgomery County to add ARRA funding to two transit projects, five resurfacing projects, and five other projects to upgrade guardrails, streetlights, traffic signals and fiber optic systems. The fourth amendment was submitted by Frederick County to include ARRA funding for a bridge project and a pavement preservation project. The fifth amendment, requested by Prince George's County, added ARRA funding to a list of resurfacing projects across the county. Finally, Charles County requested an amendment to add ARRA funding to three road projects. The TPB's ARRA tracking page was updated to reflect these amendments.

TPB staff produced draft tables for the FY 2010-2015 TIP and distributed them electronically to each agency for their review, in advance of the June Technical Committee meeting.

C. Constrained Long-Range Plan (CLRP)

On May 14, the TPB announced that two projects were proposed for addition to the 2009 CLRP and FY 2010-2015 TIP and initiated a 30-day public comment period. The first project, proposed by MDOT was the Purple Line from Bethesda to New Carrollton. The second project, known as "Return to L'Enfant" proposed by DDOT, will modify several access ramps on I-395 between E St. NW and Massachusetts Ave. NW, develop the air rights over the exposed portion of I-395 within those limits and reconnect F St. NW between 2nd and 3rd Streets NW. Staff worked with DDOT and MDOT to prepare materials and maps for both projects to be released for the public comment period.

Staff evaluated a beta version of the online CLRP and TIP database search tool that had been designed by a consultant team. The database is expected to be made available this summer, once the data has been approved by each agency.

D. Financial Plan

The third working group meeting on the financial analysis for the 2010 plan update was held on May 26. Staff from the implementing agencies reported on their progress in preparing revenue and expenditure forecasts. Staff from WMATA distributed and reviewed the key assumptions used for forecasting WMATA rail, bus and MetroAccess operating expenditures and revenues. The next meeting of the working group is scheduled for July 21. Because the implementing agencies have required much longer time than anticipated to develop their financial forecasts, the completion date for the consultant support contract with no change in budget has been extended to November 2009.

E. Public Participation

On May 14, the CAC conducted its regular monthly meeting in Frederick. This meeting included regular CAC/TPB business, but also featured briefings and discussion about issues of particular importance to Frederick.

F. Private Enterprise Participation

The twentieth annual Public Transit Forum was held on May 26.

During the month of May, staff prepared for the Regional Taxicab Regulators meeting on May 27. TPB Staff worked with COG's General Counsel to develop a new draft reciprocity agreement. TPB staff also prepared a memo to guide the discussion highlighting the areas of agreement and those for further discussion.

G. Annual Report

The May edition of the TPB News was produced and distributed. The Annual Report (The Region magazine) was printed and distributed at the TPB meeting.

H. Transportation / Land Use Connection Program

Consultant work proceeded on the eight FY 2009 TLC technical assistance projects.

Staff received 13 applications for the FY 2010 round of technical assistance. The application deadline for FY2010 technical assistance project submissions from Maryland has been extended to 5:00 p.m. July 10, 2009.

TPB staff continued to work with TLC lead consultant Reconnecting America on the development of regional toolkits for the program.

I. DTP Management

In addition to the provision of staff support for meetings of the TPB, the Steering Committee, and the Technical Committee, the following activities were undertaken:

- The DTP Director participated in a one-day workshop on congestion pricing sponsored by the Federal Highway Administration
- The DTP Director met with representatives of the Bipartisan Policy Center to discuss their forthcoming report entitled "A New Vision for U.S. Transportation Policy".

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff continued drafting the white paper on the technical review of the various data sources that could be used in the revised CMP.

On May 6, staff attended a meeting at the Fairfax County Public Safety and Transportation Operations Center (PSTOC) of the Information Systems Subcommittee of the Metropolitan Area Transportation Operations Coordination (MATOC) Program, focusing on the Regional Integrated Transportation Information System (RITIS) associated with MATOC.

On May 12 and May 26, staff made presentations to the Management, Operations and Intelligent Transportation Systems (MOITS) Technical Subcommittee and the Travel Management Subcommittee on the status of the CMP and related data activities.

On May 21, staff participated in a meeting of the Maryland State Highway Administration Key Performance Areas committee in Hanover, Maryland, which included discussion of congestion data from metropolitan Washington.

For further testing purposes, staff extracted one year data from RITIS and Virginia Archived Data Management System (ADMS) for the I-66 eastbound corridor and identified four components of congestion: demand related (recurring), accident-related, incident-related and work zone-related for different time periods.

B. Management, Operations, and Intelligent Transportation Systems (ITS) Planning

- The Management, Operations, and Intelligent Transportation Systems (MOITS) Policy Task Force and Technical Subcommittee met jointly on May 12. The group discussed American Recovery and Reinvestment Act (ARRA) funding; MOITS Strategic Plan

development activities; Northern Virginia Travel Management Plans in place for major construction projects; the status of the Congestion Management Process; and the status of regional freight planning. The group also discussed preparations for the Intelligent Transportation Society of America (ITS America) annual national conference to be held at National Harbor, Maryland in June.

- Staff continued coordinating with the Regional Emergency Support Function #1 – Emergency Transportation Program and Committee (the RESF-1 Committee did not meet in May). Staff also continued coordination work with the Metropolitan Area Transportation Operations
- Coordination (MATOC) Program, including participation in MATOC meetings or conference calls on May 6, 14, 15, and 19. See also Item 2.C.
- Traffic Signals Activities: The MOITS Traffic Signals Subcommittee met on May 21 at the offices of the District of Columbia Department of Transportation (DDOT), receiving a presentation of transit signal priority technology and a tour of the DDOT facilities.
- Regional ITS Architecture Activities: The MOITS Regional ITS Architecture Subcommittee did not meet in May. Staff continued supporting technical work in this area.
- Staff undertook preparatory and supporting work in the above areas.
- Staff participated in a periodic meeting of the Operations Work Group of the Association of Metropolitan Planning Organizations, April 30 – May 1, in Chicago, Illinois.
- Staff participated in a meeting of the Regional Transit Operators Group on May 27 in Fairfax, Virginia.

C. Transportation Emergency Preparedness Planning

The Regional Emergency Support Function-1 – Transportation (RESF-1 – Transportation) Committee provides an interface between transportation and emergency management agencies and activities; and is staffed by COG's Department of Human Services, Planning, and Public Safety.

The RESF-1 Committee did not meet during the month of May. Staff continued support and planning for future activities.

D. Transportation Safety Planning

In support of the planned update of the Safety Element of the CLRP, TPB staff gathered and compiled regional crash data.

E. Bicycle and Pedestrian Planning

The Bicycle and Pedestrian Subcommittee met on May 19th, and was briefed on the progress of the DC Smartbike bike sharing program. The Subcommittee discussed possibilities for integration of future systems in Arlington and elsewhere in the region.

The Subcommittee was also briefed on, and provided feedback for, an upcoming General Services Administration Study, "Bicycling to the Federal Workplace". The goal of the study is to improve access to federal employment centers in the Washington region.

TPB staff briefed the Subcommittee on the bicycle-related findings of the COG Household Travel Survey. The Subcommittee made some suggestions for further analysis, and suggested that a follow-up briefing a few months in the future would be welcome.

TPB staff also briefed the Subcommittee on the Street Smart program, and passed along a suggestion from TPB Chair Charles Jenkins that the funds currently devoted to public education in Street Smart be diverted to hard improvements, along the lines of the TLC program. The Subcommittee discussed the proposal and rejected the idea of putting media funds into hard improvements, suggested that instead law enforcement should be increased.

TPB staff attended the Bike to Work day ceremony at Freedom Plaza.

F. Regional Bus Planning

The Regional Bus Subcommittee did not meet in May of 2009. Instead, the TPB hosted its 20th Annual Public Transportation Forum. As the annual meeting of the TPB Private Provider's Task Force, this forum provided private providers and public transportation agencies an opportunity to discuss future plans and prospects.

G. Human Service Transportation Coordination

No activity to report during the reporting period.

H. Freight Planning

- Staff continued development of a report entitled "Integrating Freight into the 2010 Constrained Long Range Plan." This report highlights freight data trends in the region, strategies to incorporate freight into the CLRP, results from a Freight Stakeholder Survey, and next steps.
- Staff presented a Freight Program update to the Technical Committee on May 1, 2009.

- The Freight Subcommittee meeting was held on May 14, 2009. Jeff Short from American Transportation Research Institute presented on performance measures analysis of freight bottlenecks. Director of Transportation Ron Kirby presented on the American Recovery and Reinvestment Act (ARRA) funding and the upcoming transportation authorization legislation.
- Staff prepared and distributed the monthly *Focus on Freight*-May 2009 newsletter.

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

Consistent with the approved schedule for the air quality conformity assessment of the 2009 CLRP and FY2010 – 15, TIP, staff completed network development, travel and emissions estimates for the 2020 and 2030 analysis years. Network and travel demand quality control reviews were performed. Draft results were reported to the Travel Management Subcommittee at their May meeting. Staff began work on the summary conformity report as well as on exhibits and appendices for the full report.

Staff prepared documentation of the research and development work to decode 2008 vehicle identification numbers (VIN)s for use in developing updated Mobile 6 model inputs. This work is reported below under Mobile Emissions Analysis and yielded updated emissions factors which are now being used in production work for this year's conformity assessment.

MDOT and DDOT requested amendments to the 2009 CLRP and FY2010-2015 TIP that would require an off-cycle air quality conformity analysis. MDOT's amendment includes the addition of the Purple Line in Montgomery and Prince George's Counties. DDOT's amendment includes the addition of a project involving the development of the air rights above the I-395 trough near Massachusetts Ave. TPB staff presented the draft work scope and schedule for this analysis to the TPB and the Travel Management Subcommittee at their respective May meetings. Staff continued coordinating with both DOTs in order to organize input assumptions for the projects.

In accordance with TPB consultation procedures, staff also forwarded to the consultation agencies and public advisory committees the meeting agenda and a summary memo regarding the May TPB meeting and air quality conformity consultation elements.

B. Mobile Emissions Analysis

As part of work activities in the Climate Change planning area, staff estimated the impacts of the latest official CAFE standards (35.5 mpg by 2016), and analyzed the results in terms of comparisons with previous standards and

revisions to the recently updated greenhouse gas emissions inventories. Staff continued analysis of transportation measures with greenhouse gas reduction benefits. Staff participated in meetings / conference calls of MWAQC, its Executive Committee and its Technical Advisory Committee.

Memoranda documenting the development of the age distributions and distribution and diesel sales fractions from the vehicle registration data for the three states were completed. Analyses of greenhouse gas (GHG) reduction measures in the Climate Change report is continuing and results of completed work were presented to the Travel Management Subcommittee and TPB Technical Committee. Staff updated the TERM Tracking Sheet to reflect status reports from the implementing agencies and the Commuter Connections program.

The Travel management Subcommittee meeting was held on May 26, 2009 and the committee discussed a number of items including the Congestion Management Plan update for the 2010 CLRP update, status report on the conformity assessment, results of GHG emissions reduction measures and staff review of the MOVES model. The next meeting of the subcommittee will be held on June 23, 2009 if needed.

In May COG/DEP staff performed the following:

- Worked with DTP staff to run MOVES model using data from DC area to test MOVES.
- Prepared presentation for TPB Technical Committee summarizing issues with MOVES and discussing performance of the model using DC area data.
- Reported to TPB Technical Committee on diesel emission reduction projects submitted for stimulus funding under the National clean Diesel Grant.
- Attended Travel Management Subcommittee, TPB Technical and TPB meetings.

C. Regional Studies

Staff continued work on a regional bus proposal for a stimulus-funded grant application. Staff further developed a comprehensive set of corridors and transit centers and presented this work to the TPB Technical Committee and the TPB Scenario Study Task Force in order to solicit further comments.

Staff also analyzed grant criteria, developed region-specific project criteria, and developed a data request form for jurisdictions to submit their projects for the package of bus priority routes and transit centers. During May, this work was presented to the Regional Bus Subcommittee, TPB Scenario Study Task Force,

TPB Technical Committee, and NVTA JACC. Staff also continued to analyze transportation emissions reduction measures for GHG reductions for the What Would it Take scenario and on finalizing inputs for the CLRP Aspirations scenario.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff reviewed George Mason University's (GMU) Institute of Public Policy contractor's initial regional econometric model employment projections for 8.0 Cooperative Forecasts. These projections were based on analysis of Global Insights' national, state, and local economic indicator datasets.

The GMU contractor briefed the Cooperative Forecasting Subcommittee on for the initial regional econometric model employment projections for 8.0 Cooperative Forecasts. These projections for the metropolitan region were broken out by major NASIC industry group.

Staff reviewed the proposed schedule and timelines for the development of Round 8.0 Cooperative Forecasts with the Cooperative Forecasting Subcommittee.

Staff obtained information on and cost quotes for the purchase of private vendor employment data to update small area baseline employment estimates by sector more the new more detailed transportation analysis zones (TAZ) system.

4. **DEVELOPMENT OF NETWORK / MODELS**

A. Network Development

Highway and transit network coding reflecting the 2009 CLRP and FY2010-2015 TIP in support of air quality conformity work was completed during May. This work activity has been in motion for the past few months and has resulted in highway and transit network inputs to the regional travel model for the years 2002, 2010, 2020, and 2030.

TPB staff work on the GIS-transportation networks project continued in May with the assistance of the TPB's contractor, Daniel Consultants, Inc. (DCI). This effort is being undertaken to improve the network development process by implementing improved GIS-based technology. It includes the development of an ArcGIS-based transportation network geodatabase and editing tools to be used for highway and transit network development and management. TPB continued the testing the functions of the latest application program and communicated with the consultant about modifying the formats of files exported from the geodatabase. The contractor continued work on implementing a batch updating function in the application as requested by TPB staff. A new application version was transmitted to the TPB staff on May 28, and is currently being evaluated. TPB has begun formulating an outline for the consultant to

use in formulating a final report. A schedule for demonstrating the final application has been scheduled (June 18).

TPB's staff has continued work on conflating existing highway network nodes and links with the NAVTEQ street base map. This activity will improve the precision of the highway alignments reflected in the TPB's highway and transit networks and will facilitate future transit network coding at rail stations. Conflation of the arterial network system has been completed and work on the freeway system will begin in June. This work will ultimately compliment the DCI work products described above.

B. GIS Technical Support

Staff continued to monitor the performance of ArcGIS 9.2 and the GIS server.

Staff continued testing of the regional transit network in the Master Transportation Network geodatabase developed by the consultant for improved Master Highway and Transit Network editing and provided the consultant with comments on the results of this testing.

Staff continued implementation of the application for the geometric realignment of the TPB Master Network to the NAVTEQ street database.

Staff continued to the update of user training materials and the web-based GIS Support Center.

Staff continued work on the update of the commuter park and ride lot layer.

Staff attended the monthly MD MSGIC executive committee meeting to increase GIS coordination among COG and state and local government agencies in Maryland.

C. Models Development

Staff continued its work on testing the distributed processing (DP) capabilities in Cube software as a means of speeding up Version 2.3 model execution times. Distributed processing of the mode choice modeling step was successfully implemented and details on this activity was presented to the Travel Forecasting Subcommittee at the May 22 meeting.

In early May, TPB initiated two additional task orders with the consultant presently retained to conduct focused research on modeling practices around the US (Cambridge Systematics, Inc). These tasks will address 1) Improving the regional model's sensitivity to land use policy and non-motorized travel and 2) recommendations on possible changes to the regional model regarding feedback convergence methods. These tasks will be completed by the end of June.

As part of the models development unit's effort to keep abreast of best practices, one TPB staff member attended the 12th TRB National Transportation Planning Applications Conference in Houston Texas on May 17-21. The conference featured presentations on some of the most recent travel modeling techniques being used in practice across the US.

D. Software Support

Staff continued work activities and assistance to the consultant to implement the new GIS database network development application. Staff also worked on the planning arrangements to host a MOVES training workshop in the COG offices in June. This will be one in a series of training sessions being sponsored nationwide by EPA and FHWA, to provide guidance in use of the new emissions factor model being developed by EPA.

5. **TRAVEL MONITORING**

A. Cordon Counts

Traffic vehicle and person counts continued through May. As with the case in April, several counting days were lost due to heavy and persistent rain. It is anticipated staff will continue this effort through June 2009.

Staff began transit data collection in late April and continued throughout May in parallel with the traffic counts. Delays in data collection have occurred this spring as a result of frequent occurrences of persistent, heavy rain on numerous data collection days.

B. Congestion Monitoring and Analysis

Level of service analysis of the arterial travel time data is underway and should be completed during early June. The regional limited access highway system performance report was completed and the findings were presented to the TPB Technical Committee and the TPB.

C. Travel Surveys and Analysis Household Travel Survey (HTS)

Staff completed analysis of changes in daily travel by major regional activity center/clusters and presented the findings of this analysis to the TPB Travel Forecasting Subcommittee and the TPB.

Staff completed analysis of changes in daily walk and bike travel by jurisdiction between 1994 and 2007/2008 from the 1994 and 2007/2008 Household Travel Surveys and presented the findings of this analysis to the TPB Bicycle and Pedestrian Subcommittee and the Travel Forecasting Subcommittee.

Regional Bus Survey

Staff discussed the content and schedule for the completion of the Regional Bus Survey final report with the project consultant.

D. Regional Transportation Data Clearinghouse

Staff continued processing of DDOT 2006-2008 hourly volume and classification traffic count data for incorporation into the Regional Transportation Clearinghouse.

Staff completed development of a new software tools to access hourly count volume data in the database and demonstrated this new tool to the members of the Travel Forecasting Subcommittee.

Staff gave a status report on the update of Clearinghouse databases, software tools and documentation to the members of the Travel Forecasting Subcommittee.

6. **TECHNICAL ASSISTANCE**

A. **DISTRICT OF COLUMBIA**

Program Development, Data Requests & Miscellaneous Services

In the month of May, TPB staff provided limited technical services to WMATA in support of the WMATA Evaluation of the Metro Bus Priority Corridor Network, attending meetings of the study's Technical Advisory Committee and project planning meetings.

FY09 DDOT Traffic Counts

Staff visited a number of data collection sites with the consultant and DDOT representatives and data collection got underway.

DDOT Auto Travel Time Survey

Data collection on the 2009 automobile travel time survey on the 17 routes in District was completed and quality control checks of the data will be performed.

FY09 DDOT HPMS Project

Staff prepared the draft agenda for DDOT's monthly HPMS Coordinating Committee meeting, participated in this meeting and drafted the meeting minutes.

Staff reviewed Monthly and Day of Week Factors for 2007 and 2008 HPMS Traffic Volume Estimates with the members of the HPMS Coordinating Committee.

Staff reviewed analysis 2008 classification counts traffic volume estimates with the members of the HPMS Coordinating Committee.

Staff reviewed the consultant contract and work plan for the conduct of 2009 traffic volume and classification counts with the members of the HPMS Coordinating Committee.

Staff reported on their recommendations for ungrouping previously grouped HPMS sections to the members of the HPMS Coordinating Committee. Staff attended and participated in “dry-run” of the FHWA HPMS Reassessment 2010+ Webinar.

Bicycle Counts

Data collection for this project began in May. It is anticipated that all data collection will be completed in June.

Ward 6 Performance Based Parking Pilot Curbside Data Collection

Staff coordinated the purchase of data collection hardware needed to support this project. Activities included preparing solicitation documentation, negotiating with hardware vendor, and executing procurement. There were delays in the delivery of license plate reader (LPR) equipment, but all hardware components were ultimately delivered by the end of May. It is anticipated that collection will begin in June.

B. MARYLAND

Program Development /Management

Staff continued coordination with MDOT and MD SHA staff regarding FY2009 work program activities. Staff hosted a coordination meeting with MD SHA in the COG offices on May 22nd.

Maryland Miscellaneous Services

In response to an MdTA consultant data request pertaining to additional ICC work, staff prepared and transmitted the 2008 CLRP travel demand model with all of the necessary inputs and instructions to execute the model for all of the years modeled for air quality conformity and the 2005 validation.

MDOT Training / Technical Support

Staff reviewed documentation reports, e.g., draft environmental impact study, alternatives retained for detailed study, for various project planning studies in Maryland.

Corridor Cities Transit way / Bi-County Transitway

No activity to report during the reporting period.

Project Planning Support

This program area is being used to support additional work activities on the Managed Lanes Project (reported below).

Managed Lanes Project

Staff executed a 2030 Build option (I-270/I-495/I-95) and documented the 2005 Validation, 2030 No Build and the 2030 Build option in a memorandum that was distributed to MD SHA staff at the May coordination meeting. All of the alternatives contained improved trip distribution toll modeling, resulting in more intuitive modeling outcome. In the following months, staff will assess potential uses of newly updated emissions post-processor in speed and travel time estimation and further expand the managed lanes corridor to include US 50 and additional segments of I-495.

Development / Refinement of Technical Methods

In a continued review of economic analysis tools that may be used to evaluate potential transportation investments for MDSHA, staff began research on a program developed and currently supported by the FHWA. The program, BCA.net, is a web-based benefit-cost analysis tool. Staff gathered information about BCA.net on the internet, and got in touch with the FHWA employee contact for the program. Staff began an on-line tutorial for the software. Staff gave a progress report to MDSHA staff at the bi-monthly Maryland SHA / TPB coordination meeting.

Staff prepared and outline of a proposed method for SHA staff use for analyzing traffic impact studies utilizing the regional travel demand model and presented it during the bi-monthly SHA/TPB staff coordination meeting.

Statewide Travel Demand Model

Staff provided MD SHA with specific shape files and a corresponding user's guide to enable them to view travel demand modeling output using a more realistic display of roads. MD SHA staff reported that they had successfully implemented the process.

C. **VIRGINIA**

Program Development

No activity to report during the reporting period.

Miscellaneous Services

The FY2009 UPWP was amended to allocate the remaining funding in this task to the High Occupancy / Toll (HOT) Lane Traffic Analyses task. As a result, this task is effectively closed.

Northern Virginia HOV Facilities Monitoring and Data Collection

No activity to report during the reporting period.

High Occupancy / Toll (HOT) Lane Traffic Analyses

This project is complete.

Enhanced Commuter Corridor Count Program Continuation
Travel Forecast Model Refinements

Staff continued processing of the transit passenger counts collected in the I-66 Corridor outside the Beltway.

Data Mine State of the Commute Survey

This project was carried over in total to the FY2010 UPWP.

D. **WMATA**

Program Development

No activity to report during the reporting period.

Miscellaneous Services

No activity to report during the reporting period.

Accessible Pathways Analysis for MetroAccess Customers

This project is complete.

Analyze Bus Passenger Survey Trip Origins and Destinations

This project has been carried over to FY 2010.

Enhance Transit Network Coding

No activity to report during the reporting period.

Evaluation of the Metro Bus Priority Corridor Network

In the month of May, TPB staff provided limited technical services to WMATA in Support of the WMATA Evaluation of the Metro Bus Priority Corridor Network, attending meetings of the study's Technical Advisory Committee and project planning meetings. The consultants continued to work on tasks 1 and 2 of the evaluation.

7. **CONTINUOUS AIRPORT SYSTEM PLANNING (CASP) PROGRAM**

A. Process 2007 Air Passenger Survey

Task complete.

B. Ground Access Forecast and Element Updates

1) Update Air Passenger Ground Access Forecasts (Phases 1 and 2)

Staff concluded Phase 1 of the Ground Access Forecast Update in May. The final deliverable for Phase 1 was a tech technical memorandum documenting the methodology and results of the development of trip generation rates by home/non-home trip origin type and area resident/non-resident status for each airport-new AAZ pair. This final deliverable was submitted to FAA in May. Staff continued work on Phase 2 of the Ground Access Forecast Update, presenting updated input data to the Aviation Technical Subcommittee for its review and comment at its May 28, 2009 meeting.

2) Ground Access Element Update

No activity to report during the reporting period. This project has not yet started.

C. Ground Access Travel Time Study

No activity to report during the reporting period. This project has not yet started.

Other CASP Activities

No activity to report during the reporting period.

CONSULTANT SUPPORT

1. Cambridge Systematics, Inc. – Technical Assistance – Travel Demand Model Development and Application - \$150,000.
2. Daniel Consultants, Inc. - A Project to Improve GIS-Based Applications and Protocols Used to Develop and Manage Transportation Networks – Phase II- \$75,000.
3. SKYCOMP – freeway congestion monitoring - \$142, 000.
4. Cambridge Systematics, Inc – Analysis of Financial Resources for the 2010 CLRP for the Washington Region - \$100,000.
5. MCV Associates- Traffic Count Program - \$60,000.