

PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

Work continued on monitoring the FY 2010 UPWP which began on July 1, 2009.

B. Transportation Improvement Program (TIP)

On September 4, the TPB Steering Committee approved two amendments to the FY 2010-2015 TIP. The first amendment was requested by VDOT for two PRTC projects and two VRE projects. The second amendment reduced programmed funding amounts on various roads, bridges, and trails and bikeways in Frederick County. At their September 16 meeting, the TPB approved a TIP amendment requested by VDOT to add \$56.562 million in ARRA funding for twenty road, transit and bicycle/pedestrian improvement projects.

C. Constrained Long-Range Plan (CLRP)

The public comment period on the amendment to the 2009 CLRP and FY 2010-2015 TIP to include the Purple Line Light Rail project and the "Return to L'Enfant" project over I-395, and the associated Air Quality Conformity Analysis began at the September 10 meeting of the Citizens Advisory Committee. Staff published materials on the projects and conformity analysis on the CLRP web site and on the public comment online form and released a notice that the comment period had begun.

During the month of September, staff prepared for the FHWA/TPB sponsored workshop on November 9 "Linking Conservation and Transportation Planning Workshop". The workshop is designed to assist State DOTs, MPOs and State and Federal resource agencies to better coordinate and integrate transportation and conservation planning. Staff coordinated with FHWA representatives on the agenda, speakers, invites letter and logistics. The database of TPB environmental consultation contacts was updated in preparation for the invite letter to be sent. The maps depicting transportation improvements and environmental resources were updated with the latest data. Staff presented the purpose of the workshop at the September State Transportation Agency Working Group (STWG), the Technical Committee and Steering Committee.

TPB staff updated the documentation of the CLRP on its web site. Staff also developed a draft of the annual Call for Projects document and schedule for the 2010 CLRP and the FY 2011-2016 TIP.

D. Financial Plan

The fifth working group meeting on the financial analysis for the 2010 plan update was held on September 22. Staff from the implementing agencies reported that they are having difficulties finalizing their long range revenue forecasts due to the current downturns in revenues. Staff from WMATA distributed and reviewed the key assumptions used for forecasting WMATA rail, bus and MetroAccess operating expenditures and revenues. The consultant continued to work with the implementing agency staffs to assemble cost and revenue data and forecasts. The next meeting of the working group is scheduled for October 28.

E. Public Participation

The Citizen Advisory Committee meeting on September 10 included a briefing on the TPB's TIGER grant application and a discussion about how to improve the documentation for the Transportation Improvement Program (TIP).

The Committee also discussed its draft recommendation for the development of a regional transportation priorities plan. On September 4, CAC Chairman Farrell Keough presented a draft of these recommendations to the TPB Technical Committee.

Staff developed the agenda and conducted outreach for a planning session on October 15 designed to solicit ideas on how public involvement should be conducted for the 2010 Constrained Long-Range Plan.

Staff and consultants scheduled and began planning for the next session of the TPB's Community Leadership Institute, which will be conducted on October 29 and 31.

Staff gave a presentation to the Action Committee for Transit in Montgomery County on the TPB planning process and key agenda items before the TPB.

At the CAC meeting on September 10, a public comment period began for two amendments to the 2009 CLRP and FY2010 TIP, including the Purple Line in Maryland and the Return to L'Enfant project in D.C.

F. Private Enterprise Participation

The TPB Regional Taxicab Regulators Task Force met on September 23 and continued to work through issues of disagreement in their development of a regional reciprocity agreement, the status of which will be presented to the COG CAOs in December. The Task Force also received a presentation on a regional grant to convert taxis to LPG by Alliance Autogas.

G. Annual Report

The September edition of the TPB News was produced and distributed.

H. Transportation / Land Use Connection Program (TLC)

The TPB on September 16 approved three projects for FY2010 using funding made available from the MDOT technical assistance account. Following that approval, TPB staff sent Requests for Proposals for these projects to firms selected from the pre-qualified list of consultants.

In September, TPB staff received proposals for seven technical assistance projects approved by the TPB in July. Consultants for those projects were selected in October.

Consultant work proceeded on four of the TLC projects initiated in FY2009 that continued into the new fiscal year with FY2010 funding.

I. DTP Management

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

- The DTP Director participated in a National Transportation Policy Conference sponsored by the Miller Center at the University of Virginia in Charlottesville.
- The DTP Director gave a presentation to the new COG Climate, Energy and Environment Policy Committee on the TPB's "What Would it Take?" Scenario to reduce greenhouse gas emissions from the transportation sector in the Washington region.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff continued technical work to analyze and display traffic speed information recently made available from INRIX, Inc. through the I-95 Corridor Coalition, including:

- Creation of a layer on the NAVTEQ-based GIS network to visualize and present directional traffic information extracted from INRIX data.
- Staff analyzed INRIX data and developed a display of probability of congestion on freeway sections as well as a sample speed map of a July 29, 2009 tractor trailer incident on the Capital Beltway.

- Staff downloaded and processed INRIX for the periods of July – December 2008 and July – September 2009.

Staff provided input to a periodic update of the CMP components of the CLRP online documentation.

On September 16, Staff attended a FHWA workshop on “Applying Analysis Tools in Planning for Operations” in Bethesda, MD. On September 23, staff monitored a National Transit Institute webinar on “Transit and Congestion Pricing”.

Staff extracted requested INRIX data samples for use by the Models Development Team.

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 September 8, 2009. The group discussed MOITS Strategic Plan development activities, as well as the status of MOITS and related work program items.
- Staff continued coordinating with the Regional Emergency Support Function #1 – Emergency Transportation Program and Committee, and provided input in preparation for the rescheduled next regular RESF-1 Committee meeting on October 9. See also Item 2.C.
- Staff also continued coordination work with the Metropolitan Area Transportation Operations Coordination (MATOC) Program, including participation in MATOC meetings or conference calls on September 3, 9, 11, 15, 18, 22, and 25. Work included development and submission on September 25 of a proposal on behalf of MATOC for funding under the Northern Virginia FY2011 Congestion Management and Air Quality funding allocation process.
- MOITS Strategic Plan Activities: Staff was in frequent contact throughout September with and oversaw the consultant team as the team began developing the plan, as well as to plan for the first MOITS Strategic Plan Working Group meeting to take place on October 13.
- Traffic Signals Activities: The MOITS Traffic Signals Subcommittee did not meet in September. Staff continued work on a regional summary map of traffic signal locations and conditions.
- Regional ITS Architecture Activities: The MOITS Regional ITS Architecture Subcommittee did not meet in September. Staff provided input to the MOITS Strategic Plan consultant team on the interfaces between the Strategic Plan and Regional ITS Architecture.
- On September 23, staff participated in the monthly meeting of the Regional Transit Operators Group at WMATA.

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 a Public Safety Planner from COG’s Department of Public Safety and Health. During the month of September RESF-1 did not meet due to schedule conflicts. RESF-1 has rescheduled its monthly meeting day to better accommodate members of the committee. RESF-1 will now meet on the second Friday of the month.. Staff began preparations for the next monthly meeting which will take place on October 9.

RESF-1’s staff person also presented an update on RESF-1 activities to MOITS at their September 8th meeting. On September 23rd staff attended the Regional Transit Operators Group meeting. RESF-1’s staff person will attend these meeting when possible to liaison preparedness issues to RESF-1 from the region’s bus operators.

D. Transportation Safety Planning

TPB Staff compiled regional pedestrian and bicycle fatality and injury data from 1998 through 2008 using published sources provided by the District of Columbia Department of Transportation, the Maryland Highway Safety Office, and NHTSA. Injury data was available only through 2007.

After conferring with staff of the University of Maryland CATT Lab, TPB staff scheduled a meeting of the Transportation Safety Subcommittee for November 30th. The purpose of the meeting will be to review the progress which the [CATT Lab](#) has made on the Maryland safety data mining and evaluation tool, and get user input for a formal cost estimate and proposal for a regional safety data analysis tool. TPB staff will also brief the Safety subcommittee on regional safety data with respect to the safety emphasis areas in the Safety element of the Constrained Long- Range Plan, and discuss a new draft of the Safety element.

E. Bicycle and Pedestrian Planning

Staff prepared for and hosted a meeting of the Bicycle and Pedestrian Subcommittee on September 15, 2009:

- The Subcommittee reviewed a draft top priority unfunded bicycle and pedestrian project list, but did not approve the list since the City of Alexandria plans to change their top priority project in October.
- The Subcommittee also received a briefing on automated bicycle parking from a representative of the Bike Station Coalition, the organization responsible for managing the Union Station bike station, and an update on the WMATA Pedestrian and Bicycle Access Study.

- The Subcommittee agreed to update the on-line database of bicycle and pedestrian projects by October 15, with a view to updating the Bicycle and Pedestrian Plan by January 30th, 2010. Thanks to the efforts of Jim Yin the bicycle and pedestrian database was made fully operational, an off-site test was carried out by DDOT, and several members have successfully updated their information.
- The Subcommittee was briefed on the DDOT bicycle counting program, and progress on the Street Smart program, and the regional TIGER grant proposal for bus priority corridors and bike sharing.

F. Regional Bus Planning

During the month of September, staff continued the regional bus planning efforts. At the September subcommittee meeting, members continued to discuss the work products for the upcoming fiscal year. Staff announced that they were poised to begin two new planning efforts: evaluating opportunities for coordination between bus operators, and visualization of out-year bus transit routes and levels of service to better refine long range transit planning. Staff also presented the TPB's TIGER stimulus grant application to the subcommittee and solicited feedback on the planning process. Members congratulated staff on the grant application, and were supportive of continuing the development of a short-range plan of priority bus corridors.

G. Human Service Transportation Coordination

During the month of September, a new chair was appointed by the TPB for the Human Service Transportation Coordination Task Force. A packet of materials on TPB's role and activities in human service transportation coordination planning was developed for and used to brief the new chair.

Staff established a process and timeframe for updating the Coordinated Human Services Transportation Plan. A roundtable exercise was developed for the Task Force to identify unmet transportation needs for people with disabilities, those with limited incomes, and older adults.

Staff prepared for the September 10 meeting of the Human Service Transportation Coordination Task Force. Staff prepared a handout for the update of the Coordinated Human Service Transportation Plan and compiled unmet needs submitted by Task Force members. Staff revised strategies for the coordinated plan update on improving service and coordination. Staff briefed the Task Force on two projects that fall within its purview, the accessible taxicab pilot project and the information clearinghouse project. A meeting summary was prepared.

H. Freight Planning

- Staff continues to work on the *National Capital Region Freight Plan*. This includes collecting information, identifying publically available data, and analyzing information.
- Staff coordinated with CSX Transportation staff for their presentation to the Technical Committee on September 4, 2009 and their presentation to the TPB on September 16, 2009. The TPB approved a letter in support of the CSX National Gateway Initiative at its September 16, 2009 meeting.
- Staff presented on September 8, 2009 an update on the CSX effort to gain a letter of support for the National Gateway Initiative to the Management Operation and Intelligent Transportation Systems (MOITS) Technical Subcommittee.
- The TPB Freight Subcommittee on September 10, 2009 received presentations from CSX Transportation and Norfolk Southern.
- Staff attended the Maryland Freight Summit held on September 14, 2009.
- Staff attended the Baltimore Metropolitan Council Freight Movement Task Force on September 24, 2009 and announced information about an upcoming joint tour with the TPB Freight Subcommittee of the Maryland Food Center Authority.
- Staff prepared and distributed the monthly *Focus on Freight*-September 2009 newsletter.
- Staff participated in a Norfolk Southern sponsored Whistle Stop tour for inaugural Amtrak train service from Union Station, Washington D.C. to Lynchburg, Virginia on September 30, 2009.

3. FORCASTING APPLICATIONS

A. Air Quality Conformity

Staff completed the draft conformity report for the 2009 CLRP and FY2010-2015 TIP amendments and presented it to the TPB Technical Committee, MWAQC TAC, MWAQC Conformity Subcommittee, and TPB at their respective September meetings. The report was available in hard-copy and posted on COG's website in time for the beginning of the public comment period on September 10th. This work is also reported below within the District of Columbia and Maryland technical assistance programs, which funded the effort. COG/DEP staff prepared comments on the conformity analysis and held a MWAQC TAC Conformity Subcommittee call to discuss it, and advanced a draft letter to the parent committees.

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 September TPB meeting and air quality conformity consultation elements.

B. Mobile Emissions Analysis

Staff updated previously developed Greenhouse Gas (GHG) emissions inventories to reflect the latest CLRP land use, network, 2008 vehicle registration data and the 35.5 miles per gallon fuel economy standards. Staff developed new CO₂ emission rates based on the above inputs, and updated all the previously analyzed GHG reduction measures in the Climate Change report, including their cost effectiveness. Staff presented the results to the TPB Technical Committee. Staff worked with the systems management planning team and assisted in the preparation of a CMAQ application for the MATOC program. Staff attended the September meeting of COG's Climate, Energy and Environment Policy Committee.

Staff continued work activities to test the new draft version of EPA's MOVES model. Staff developed vehicle population data for the Motor Vehicle Emissions simulator (MOVES) using the MOVES convertor and 2008 Mobile 6.2 vehicle population. Vehicle age distributions under the MOVES vehicle types were generated using the convertor and comparison charts with Mobile 6 age distributions were prepared and presented to the MOVES Task Force at its September meeting.

In support of SIP planning activities, staff participated in meetings / conference calls of MWAQC, its Executive Committee, its Technical Advisory Committee, and its Emissions Inventory and Air Quality Conformity subcommittees. The Travel Management Subcommittee did not meet during the month of September, 2009. The subcommittee was briefed on the ongoing mobile emissions activities through email. The next meeting of the subcommittee will be held on October 27, 2009 if needed.

In September COG / DEP staff performed the following:

- Coordinated with DTP staff the agenda and materials for the MOVES Task Force meeting in September and October.
- Participated in the MOVES task force meeting held in September to address various issues associated with the transition to EPA's new MOVES model. Staff gave a presentation on various inputs, outputs, and procedures to be used for the MOVES model in future SIPS and conformity analyses.
- Continued to work collaboratively with COG/DTP staff on analysis of data inputs needs for the MOVES model.

- Participated in MARMA MOVES model conference calls regarding mobile modeling issues as part of photochemical modeling for the new ozone and fine particle standards.
- Coordinated MOVES issues for MWAQC-TAC meeting, attended TPB Technical Committee, TMS, and TPB meeting in September.

The Travel Management Subcommittee did not meet during the month of September, 2009. The subcommittee was briefed on the ongoing mobile emissions activities through email. The next meeting of the subcommittee will be held on September 22, 2009 if needed.

C. Regional Studies

The TPB Scenario Study Task Force attended the September 4 TPB Steering Committee, as they approved the project components of TPB's ARRA TIGER Grant submission. Staff completed three comprehensive cost-benefit analyses and completed the full grant application for the project, which was submitted on September 15. The project was also presented to the COG Board on September 9 for approval and to the TPB on September 16. TPB staff also presented a status update on the ongoing work for the What Would It Take Scenario to the new COG Climate, Energy and Environment Policy Committee on September 22.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff continued the processing and geocoding of the Dunn & Bradstreet employment files for 2005 and 2007 to assist local jurisdictions in prepare base year small area employment estimates by major industry type for the development of Round 8.0 Cooperative Forecasts.

Staff responded to questions on the Cooperative Forecast Round TAZ-level 7.2A database of forecast employment, households and population growth.

Staff again reviewed the schedule and timelines for the local jurisdiction submittal of Round 8.0 Cooperative Forecasts with the Cooperative Forecasting Subcommittee.

4. **DEVELOPMENT OF NETWORK / MODELS**

A. Network Development

TPB staff continued network development activities relating to the newly established 3,722 Transportation Analysis Zone (TAZ) system, which will ultimately support the Version 2.3 Model calibration work. Substantial effort has been put into the manual delineation of centroids and centroid connectors on large paper maps showing the TAZ system superimposed over the street base

system. Aerial photography has also been used to facilitate this work. The maps will be used as references in the electronic coding of the highway network.

Staff continued to test the new GIS-based network editing application which will be used in the electronic coding of the highway and transit network on the new TAZ system. The software will continue to be tested and minor enhancements will most likely continue during October. A status report on the GIS-based network editing activities was given to the Travel Forecasting Subcommittee (TFS) at its September 18 meeting.

Staff has also begun collecting transit schedule data from local transit providers which will be used as part of the TPB's base year transit network updating work which normally occurs during the fall.

B. GIS Technical Support.

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

Staff tested software fixes to Master Highway and Transit Network editing application delivered by the consultant who developed this application.

Staff began the update of the water body layer in the spatial data library with additional attribute data from the NAVTEQ database.

Staff continued to work with the transportation network coding team on the geometric realignment of the TPB Master Network to the NAVTEQ street database and performed quality control check of the updates to the TPB Master Network.

Staff began testing the ESRI ETL (Edit, Transform, and Load) tool used to map attribute data from multiple sources that will be used in the USGS Regional Landmark and Transportation projects. These USGS Regional Landmark and Transportation projects are being performed collaboratively with the Towson University Center for GIS (CGIS) and members of the GIS Committee representing local jurisdictions in the Washington region.

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 reviewed household travel survey (HTS) files that have recently been made available. These files will support the Version 2.3 demand model calibration effort. Three of the four standard files were received during

September: the household, person, and vehicle files. Staff began logic review and validation checks of the HTS data.

Staff also began the investigation of 2007 traffic counts that were recently included in the Regional Transportation Data Clearinghouse (RTDC). These data include short term (program) and long term (permanent) traffic counts, and will be used during the course of the Version 2.3 model development. The data are being summarized to develop a calibration year sample of counts by modeled time period. The data will also be summarized to examine daily and seasonal count factors, and to better understand peaking characteristics of traffic.

Staff met with AECOM Consult, Inc. staff on September 18 to review pedestrian factors into the Version 2.3 travel demand model. The recent experience gained by AECOM may be useful in our Version 2.3 calibration work.

Staff participated in discussions with the Association of Metropolitan Planning Organizations (AMPO) Travel Modeling Work Group, which consists of MPO modeling analysts from around the country.

Cambridge Systematics (CS), briefed the Travel Forecasting Committee on its FY 2009 research reports on modeling practices around the U.S. The Subcommittee was asked to provide comments on the reports before they are finalized.

D. Software Support

Staff continued work activities to implement the new GIS database network development application. Staff continued work to execute a variety of benchmark travel demand model runs in order to test the performance of updated processing and storage array hardware.

Staff explored distributive processing, a new feature of Cube that, if successfully implemented, could shorten model runtime by running multiple scripts in parallel utilizing multiple CPUs. Staff researched various line search methods appropriate for HOT lane toll setting to reduce processing time as part of improving the HOT lane modeling process. Staff prepared SAS code to assist with the comprehensive analysis of simulation results for multiple scenarios.

In response to an outside organization data request, staff began assembling speed, travel and VMT data based on the 2009 CLRP (July TPB Action) Staff also began work on evaluating a potential move from TP+ to Cube Voyager in Version 2.2.

5. **TRAVEL MONITORING**

A. Cordon Counts

No activity to report during this reporting period.

B. Congestion Monitoring and Analysis

Staff prepared a PowerPoint presentation illustrating the draft findings of the FY2009 arterial travel time survey and presented it to the Travel Forecasting Subcommittee. Planning preparations are underway for conducting the FY2010 arterial travel time survey.

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

Staff also made some modifications to the coding of draft final geocoded, edited and factored Household Travel Survey trip file in response to ensure consistency between assigned trip purposes and activities reported at trip origin and trip destinations.

Staff coordinated finalization of the factored Household Travel Survey trip file with the Baltimore Metropolitan Council which jointly participated in the 2007.2008 HTS.

D. Regional Transportation Data Clearinghouse

Staff continued the update of transit databases in the Regional Transportation Clearinghouse with new data obtained from WMATA and local jurisdiction transit systems.

6. **TECHNICAL ASSISTANCE**

A. **DISTRICT OF COLUMBIA**

1. Program Development, Data Requests & Miscellaneous Services

The program manager reviewed final status of the projects in technical assistance program. TPB Staff attended and prepared meeting minutes for the monthly HPMS meeting.

2. DDOT Traffic Counts

2009 traffic volume counts have been received from DDOT's consultant in the new database format and are undergoing quality control review and will be added to the regional transportation data clearing house after completion of the quality control checks.

3. Bicycle Counts

No activity to report during this period.

4. Phase II – Evaluation of the Metrobus Priority Corridor Network

This project provides partial funding for the consultant study to evaluate the Metrobus Priority Corridor Network. See the progress report on this study under WMATA work activity D.3 below.

5. DC WARD 6 Ballpark

During the period, staff (1) completed processing and analyzing all data collected for the Ward 6/Nationals Ballpark performance parking district parking study, and (2) began preparing the report for submittal to DDOT. As part of this effort, staff produced GIS maps of parking data overlaid on the street network to graphically portray the collected data as well as tables summarizing the data used to support the findings of the study. These were incorporated into the draft report that is expected to be submitted to DDOT in early October.

6. 2009 Automobile Travel Time Survey

No activity to report during this reporting period.

7. Unprogrammed

No work activity specified.

8. Purple Line/Return to L'Enfant Conformity Assessment

Staff completed the draft conformity report regarding the District of Columbia and Maryland amendments to the 2009 CLRP and FY2010-2015 TIP and presented it to the TPB Technical Committee, MWAQC TAC, MWAQC Conformity Subcommittee, and TPB at their respective September meetings. The report was available in hard-copy and posted on COG's website in time for the beginning of the public comment period on September 10th.

B. **MARYLAND**

1. Program Development /Management

Staff continued coordination with MDOT and MD SHA staff regarding initiation and execution of FY2010 work program activities. This included hosting the bi-monthly coordination meeting with MD SHA in the COG offices on September 18th.

2. Miscellaneous Services

Staff responded to incoming MD SHA data requests and began working on a more major undertaking of evaluating time-of-day modeling in TPB's Version 2.2 travel demand model.

3. 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.

4. SHA-Western Mobility/Capital Beltway Studies

No activity to report during this reporting period.

5. MTA-Corridor Cities Transit way / Purple Line Transit

The conformity assessment component of this work, jointly funded MDOT and DDOT, is reported under the (regional) Air Quality Conformity project.

Staff attended a Purple Line project team meeting. A locally preferred alternative has been selected and presented to the team, and it incorporates portions of medium and high investment light rail. Project team members discussed potential discrepancies introduced by the addition of Purple Line in the 2009 CLRP (amended), and TPB staff pointed out that comparing 2009 CLRP (TPB July Action) to the 2009 CLRP (amended) was not true "Build versus No-Build" comparison, as the 2009 CLRP (TPB July Action) already contained the portion of Purple Line between Silver Spring and Bethesda, and because other changes not related to the Purple Line were made in the amended plan.

6. Project Planning / Feasibility Studies

No activity to report during this reporting period.

7. Managed Lanes-Planning

Staff coded networks and executed travel demand modeling using an expanded network of HOT lanes in Maryland. The most recent network consists of additional tolled facilities on US 50 and eastern Capital Beltway between I-95 and US 50. Staff presented the travel demand modeling and emissions post-processor modeling results to MD SHA staff at a meeting in September. Among other information, TPB staff presented VMT, toll rate, travel time and speed data. Staff began investigating toll rate differences in different corridors by employing select-link analysis.

In preparation for the next meeting with MD SHA staff in November, TPB staff is expanding the network of HOT lanes by adding the southern portion of Maryland Capital Beltway and US 301 from US 50 to Governor Nice Bridge.

Staff attended an FHWA-sponsored webinar (training session) on congestion pricing and tolling strategies and will look to apply the lessons learned in the upcoming months.

8. Traffic Impacts

Staff finalized the draft guidance memo on using the regional travel demand Model in analyzing traffic impact studies and presented it to the MD SHA staff.

9. Project Evaluation

No activity to report during this reporting period.

10. Statewide Travel Demand Model

No activity to report during this reporting period.

11. 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 researched the FHWA program, BCA.net. BCA.net is a web-based benefit-cost analysis tool. Staff continued the on-line tutorial for the software. Staff gave a progress report to MDSHA staff at the bi-monthly Maryland coordination meeting.

12. Monitoring Studies

No activity to report during this reporting period.

13. Transportation Land Use Connection (TLC)

The TPB on September 16 approved three projects for FY2010 using funding made available from the MDOT technical assistance account. Following that approval, TPB staff sent Requests for Proposals for these projects to firms selected from the pre-qualified list of consultants.

In September, TPB staff received proposals for seven projects approved by the TPB in July. Consultants for those projects were selected in October.

Consultant work proceeded on four of the TLC projects initiated in FY2009 that continued into the new fiscal year with FY2010 funding.

14. Phase II – Evaluation of the Metrobus Priority Corridor Network

This project provides partial funding for the consultant study to evaluate the Metrobus Priority Corridor Network. See the progress report on this study under WMATA work activity D.3 below.

C. **VIRGINIA**

1. Program Development

No activity to report during this reporting period.

2. Miscellaneous Services

No activity to report during this reporting period.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

Staff met with V. Pardo (VDOT) to identify and confirm the traffic counting locations to be included in the fall HOV Facilities Monitoring program in Northern Virginia, as well as discuss the feasibility of performing additional counts to support an analysis for the Northern Virginia Transportation Commission (NVTC) outside the Beltway in the Dulles Corridor. Following this meeting, data collection commenced in late September and is anticipated to continue through the fall season. Counting location for this effort include:

- I-95 at Newington
- I-395 at Glebe
- I-66 at Nutley
- I-66 at Sycamore
- DTR at Hunter Mill
- Rt7/ Leesburg Pike
- Old Dominion Blvd
- Georgetown Pike
- Lewinsville Rd.

Travel time runs will also be performed for the AM and PM peak period on I-95/I-395, I-66 and VA 267 (Dulles Toll Road).

4. High Occupancy / Toll (Hot) Lane Analysis I-95 / 395 Corridor

No activity to report during this reporting period.

5. Travel Forecast Model Refinements

No activity to report during this reporting period.

6. Data Mine State of the Commute Survey

No activity to report during this reporting period.

7. Phase II - Evaluation of the Metrobus Priority Corridor Network

This project provides partial funding for the consultant study to evaluate the Metrobus Priority Corridor Network. See the progress report on this study under WMATA work activity D.3 below.

D. **WMATA**

1. Program Development

The Program manager reviewed the projects in technical assistance program.

2. Miscellaneous Services

TPB staff provided travel demand and network data as requested for the WMATA Regional Transit System Plan project.

3. Phase II – Evaluation of the Metrobus Priority Corridor Network

In the month of September, the consultant team continued work on-schedule on this analysis. The team completed the following tasks:

- Prepared briefing materials for the September 16 technical advisor committee and presented preliminary study findings to the meeting participants.
- Completed development of ridership projections for the Full Build and No Build alternatives.
- Developed traffic impact analysis of lane removals for the Full Build alternative.
- Developed Modified PCN Network recommendations.
- Prepared briefing materials for use in review meetings with jurisdictions.

4. Analyze Bus Passenger Survey Trip Origins and Destinations

No activity to report during this reporting period.

5. Collection of Bus Passenger Counts

No activity to report during this reporting period.

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

A. Conduct 2009 Air Passenger Survey

Staff coordinated logistics necessary for conducting the air passenger survey scheduled for October. As part of this effort, staff held a kickoff meeting with WB&A Market Research, the consulting firm hired to support the data collection portion of the survey, to identify roles/responsibilities and confirm tasks to be completed by WB&A during the survey period. Staff also coordinated with airport personnel at the BWI, Dulles and Reagan National airports to arrange for office space, parking, and requisite security clearances for COG and contractor staff that will be involved in field data collection. Staff met with airline managers at all three airports to brief them on the survey and request their assistance by notifying gate personnel in advance to cooperate in data collection efforts. Survey questionnaires were printed during the September and the complex task of packaging the survey materials for each of the approximately 600 flights to be surveyed began in September. Staff also identified the sample of flights to be surveyed and coordinated with airport personnel at the three airports to confirm the sample was valid and feasible for each of the flights identified in the sample.

B. Process 2009 Air Passenger Survey

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

C. Ground Access Forecast and Element Updates

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

No activity during this reporting period.

2) Ground Access Element Update

Staff continued identifying and reviewing ground existing and planned ground access facilities as part of the supply analysis component of the Ground Access Element Update.

D. Ground Access Travel Time Study

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

Other CASP Activities

No activity to report during this reporting period.

CONSULTANT SUPPORT

1. Cambridge Systematics, Inc. – Technical Assistance – Travel Demand Model Development and Application - \$150,000.

2. Cambridge Systematics, Inc – Analysis of Financial Resources for the 2010 CLRP for the Washington Region - \$100,000.
3. MCV Associates- Traffic Count Program - \$60,000.

**FY 2010 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE SEPTEMBER 30, 2009**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	21,072.64	30%
B. Transportation Improvement Program (TIP)	151,700.00	49,911.96	33%
C. Constrained Long-Range Plan	638,400.00	122,851.86	19%
D. Financial Plan	134,000.00	8,830.96	7%
E. Public Participation	343,900.00	84,020.03	24%
F. Private Enterprise Participation	18,300.00	1,131.76	6%
G. Annual Report	80,100.00	3,410.82	4%
H. Transportation / Land Use Connection Program	465,000.00	65,382.14	14%
I. DTP Management	452,100.00	74,964.56	17%
SUBTOTAL	2,354,200.00	431,576.74	18%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	155,000.00	46,331.80	30%
B. Management, Operations & ITS Planning	390,300.00	78,123.54	20%
C. Emergency Preparedness Planning	75,400.00	13,946.04	18%
D. Transportation Safety Planning	100,000.00	11,442.83	11%
E. Bicycle and Pedestrian Program	108,700.00	21,160.73	19%
F. Regional Bus Planning	100,000.00	33,092.94	33%
G. Human Service Transportation Coordination Planning	114,800.00	24,555.16	21%
H. Freight Planning	130,000.00	32,897.83	25%
SUBTOTAL	1,174,200.00	261,550.87	22%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	113,362.97	20%
B. Mobile Emissions Analysis	640,100.00	148,282.77	23%
C. Regional Studies	315,800.00	80,165.65	25%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	130,813.41	18%
SUBTOTAL	2,245,900.00	472,624.80	21%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	159,418.39	21%
B. GIS Technical Support	548,800.00	138,042.75	25%
C. Models Development	1,221,200.00	225,588.60	18%
D. Software Support	178,900.00	12,851.63	7%
SUBTOTAL	2,718,600.00	535,901.37	20%

**FY 2010 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE SEPTEMBER 30, 2009**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
5. TRAVEL MONITORING			
A. Cordon Counts	437,750.00	40,490.25	9%
B. Congestion Monitoring and Analysis	525,000.00	85,749.00	16%
C. Travel Survey and Analysis			
Household Travel Survey	410,000.00	85,914.34	21%
D. Regional Transportation Clearinghouse	267,900.00	34,352.82	13%
SUBTOTAL	1,640,650.00	246,506.40	15%
SUBTOTAL CORE PROGRAM ITEMS 1-5			
	10,133,550.00	1,948,160.18	19%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	422,050.00	54,796.17	13%
B. Maryland	820,200.00	119,653.80	15%
C. Virginia	529,800.00	18,065.67	3%
D. WMATA	202,099.00	107,347.91	53%
SUBTOTAL	1,974,149.00	299,863.56	
TPB GRAND TOTAL	12,107,699.00	2,248,023.74	19%

**FY 2010 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
FY-TO-DATE SEPTEMBER 30, 2009
SUPPLEMENT 1**

11/4/2009

	COST CODES	AUTHORIZED BUDGET	TOTAL EXPENDITURES	FTA/STALOC		PL FUNDS/LOC	
				BUDGET	EXPENDITURES	AUTHORIZED BUDGET	EXPENDITURES
A. District of Columbia							
1. Program Development, Data Requests & Misc. Services	040	17,500	10,415.40	1,574	936.93	15,926	9,478.47
2. DDOT Traffic Counts	041	150,000	3,701.13	13,493	332.94	136,507	3,368.19
3. Bicycle Counts	042	70,000	0.00	6,297	0.00	63,703	0.00
4. Phase II - Evaluation of the Metrobus Priority Corridor Network	043	33,000	0.00	2,969	0.00	30,031	0.00
5. DC Ward 6 Ballpark	044	55,800	5,491.91	5,020	494.03	50,780	4,997.88
6. 2009 Automobile Travel Time Survey	045	60,000	1,082.25	5,397	97.35	54,603	984.89
7. Unprogrammed	046	3,750	98.57	337	8.86	3,413	89.71
8. Purple Line / Return to L'Enfant Conformity Assessment	047	32,000	31,825.84	2,879	2,863.33	29,121	28,962.51
SUBTOTAL		422,050	52,615.09	37,966	4,733.44	384,084	47,881.65
B. Maryland							
1. Program Development/Management	060	25,000	8,607.13	2,249	774.26	22,751	7,832.87
2. Miscellaneous Services	061	24,200	0.00	2,177	0.00	22,023	0.00
3. MDOT Training /Technical Support	062	25,000	0.00	2,249	0.00	22,751	0.00
4. SHA-Western Mobility/Capital Beltway Studies	063	31,000	0.00	2,789	0.00	28,211	0.00
5. MTA- Corridor Cities Transit way / Purple Line Transit	064	40,000	31,882.14	3,598	2,867.99	36,402	29,014.15
6. Project Planning / Feasibility Studies	065	132,000	1,758.82	11,874	158.22	120,126	1,600.60
7. Managed Lanes-Planning	066	135,000	68,354.29	12,144	6,148.87	122,856	62,205.42
8. Traffic Impacts	067	100,000	1,082.25	8,996	97.35	91,004	984.89
9. Project Evaluation	068	40,000	0.00	3,598	0.00	36,402	0.00
10. Statewide Travel Demand Model	069	35,000	0.00	3,148	0.00	31,852	0.00
11. Development/Refinement of Technical Methods	070	50,000	3,623.60	4,498	325.96	45,502	3,297.63
12. Monitoring Studies	071	50,000	2,164.49	4,498	194.71	45,502	1,969.79
13. Transportation Land Use Connection (TLC)	072	100,000	0.00	8,996	0.00	91,004	0.00
14. Phase II - Evaluation of the Metrobus Priority Corridor Network	073	33,000	0.00	2,969	0.00	30,031	0.00
SUBTOTAL		820,200	117,472.72	73,782	10,567.36	746,418	106,905.35
C. Virginia							
1. Program Development	080	8,000	0.00	720	0.00	7,280	0.00
2. Miscellaneous Services	081	18,800	307.40	1,691	27.65	17,109	279.75
3. NVA. HOV Facilities Monitoring & Data Collection	082	315,000	17,758.27	28,336	1,597.46	286,664	16,160.81
4. High Occupancy / Toll (Hot) Lane Analysis I-95 / 395 Corridor	083	50,000	0.00	4,498	0.00	45,502	0.00
5. Travel Forecast Model Refinements	084	55,000	0.00	4,948	0.00	50,052	0.00
6. Data Mine State of the Commute Survey	085	50,000	0.00	4,498	0.00	45,502	0.00
7. Phase II - Evaluation of the Metrobus Priority Corridor Network	086	33,000	0.00	2,969	0.00	30,031	0.00
SUBTOTAL		529,800	18,065.67	47,659	1,625.11	482,141	16,440.56
D. WMATA							
1. Program Development	100	10,000	1,844.42	10,000	1,844.42	0	0.00
2. Miscellaneous Services	101	24,099	6,696.32	24,099	6,696.32	0	0.00
3. Phase II - Evaluation of the Metrobus Priority Corridor Network	102	100,000	98,807.17	100,000	98,807.17	0	0.00
4. Analyze Bus Passenger Survey Trip Origins & Destinations	103	40,000	0.00	40,000	0.00	0	0.00
5. Collection of Bus Passenger Counts	104	28,000	0.00	28,000	0.00	0	0.00
SUBTOTAL		202,099	107,347.91	202,099	107,347.91	0	0.00
GRAND TOTAL		1,974,149	295,501.38	361,505	124,273.82	1,612,644	171,227.56