

FY 2010

NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD (TPB)

Work Program Progress Report

MARCH 2010

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

The final draft FY 2011 UPWP and the carry over projects from FY 2010 were presented to the Technical Committee in March. On March 17, the TPB approved the FY 2011 UPWP and the carry over projects from FY 2010. In April, the FY 2011 UPWP will be submitted to the FHWA and FTA for their review and approval.

B. Transportation Improvement Program (TIP)

On March 5, the TPB Steering Committee approved one amendment to the FY 2010-2015 TIP to add American Recovery and Reinvestment Act (ARRA) funding to WMATA's Preventative Maintenance project.

At their meeting on March 17, the TPB approved five amendments to the FY 2010-2015 TIP. The first three amendments were requested by the Virginia Department of Transportation to include ARRA funding for the construction of a third track rail line in Stafford and Prince William Co, for preliminary engineering of a ramp replacement from I-95 to the Fairfax County Parkway, and for the widening of Telegraph Road in Fairfax County. The fourth amendment was requested by the Maryland Department of Transportation to include construction funding for the I-70 Phase 2D project in Frederick County. The fifth amendment was requested by the District Department of Transportation to include funding for the Georgetown-Rosslyn Connector service.

TPB staff processed seven administrative modifications to the FY 2010-2015 TIP during the month of March.

C. Constrained Long-Range Plan (CLRP)

During the month of March, TPB staff worked with staff from member jurisdictions to update CLRP project data and to develop descriptions for new project submissions that were scheduled to be due on April 2. Staff also began the process of collecting information to compile a list of projects for an "unconstrained" long range plan based on the approved long-range transportation plans from TPB's member jurisdictions.

In preparation for the USDOT Federal Certification Review scheduled for April 19 and 20, staff responded to a series of question about the CLRP and the planning process during the month of March.

D. Financial Plan

The ninth working group meeting on the DOTs' long range revenue and expenditure forecast data for the financial analysis for the 2010 plan update was held March 23. The consultant continued to review, tabulate and analyze the cost and revenue forecast data received from WMATA, MDOT, VDOT and localities for incorporation into the final report. A status report on the financial analysis will be presented at the April 9 meeting of the Technical Committee and the April 21 TPB meeting. The next meeting of the working group to review the draft final report is scheduled for April 27.

E. Public Participation

The Citizen Advisory Committee's meeting on March 11 included a lengthy discussion with TPB Chairman David Snyder, a brief primer on the TPB and CAC to acquaint new members and update incumbent members, and a discussion on planning for the May 26 forum on long-term regional transportation planning. This was the first meeting of the 2010 CAC, as the February meeting was cancelled due to inclement weather.

TPB staff continued planning for an event, called "A Conversation on Setting Regional Transportation Priorities," which will be conducted on May 26. This forum will provide an opportunity to address the CAC's recommendation that the TPB should develop a long-range regional transportation priorities plan. As recommended by the CAC, this forum will involve elected and appointed officials (especially TPB members), planners and interested stakeholders from the community.

F. Private Enterprise Participation

The TPB Regional Taxicab Regulators Task Force met on March 24 and continued discussion on the regional reciprocity agreement. The Task Force received a briefing on the presentations made to the COG Chief Administrative Officers (CAOs) Committee, including comments received by the CAOs. The Task Force also discussed procedures for adding new taxicabs to each jurisdiction. TPB staff prepared a list of potential priorities for the Task Force to focus on for 2010, which the Task Force discussed at the March meeting.

Staff began planning the 20th Annual Public Transit Forum which is scheduled for May 25.

G. Annual Report

Staff continued writing Text for the 2010 Region magazine.

The March TPB News was produced and distributed.

H. Transportation / Land Use Connection Program (TLC)

Work proceeded on all ten projects that have been funded for the FY2010 round of TLC projects. On March 12, the TPB issued a Call for Projects for the FY2011 round of TLC projects.

Work began on an evaluation of the TLC program which will identify cross-cutting themes and lessons that can be obtained from a thorough examination of the past four years of the TLC program. The evaluation is being conducted by the non-profit Reconnecting America. This evaluation will be used to identify opportunities for developing and potentially expanding the program in the future.

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 gave a presentation at the AASHTO Spring meeting on the use of performance measures in transportation planning and programming activities.
- The DTP Director and other DTP staff participated in internal COG staff meetings on the development of a regional response to the HUD Advance Notice of Funding Availability on its Sustainable Communities Planning Grant Program.
- The DTP Director participated in the Spring meeting of the AMPO Policy Committee, which reviewed the latest developments in the federal transportation authorization process.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff made significant improvements to the INRIX speed and congestion data analysis portion of the 2010 CMP Technical Report:

- Re-extracted updated raw data from the I-95 Corridor Coalition Traffic Monitoring website. The updated raw data includes the latest data coverage expansion made available through VDOT's efforts (added Dulles Toll Road, I-66 inside Beltway, VA 123 and VA 7 around the Tysons Corner area) and a digital map upgrade carried out by INRIX, Inc.
- Re-ran and refined all data analyses using the updated raw data and produced updated results for Travel Time Index, Planning Time Index and Buffer Time

- Index, and added a fourth parameter, Mile-Hours of Congestion, in the congestion analysis.
- Improved GIS visualization of data analysis results using the GIS Representation function. The improved visualization can display directional congestion at any zoom level (the previous version could only display at one level).

Staff presented the highlights of the 2010 CMP Technical Report to the Freight Subcommittee's March 11 meeting and the Commuter Connections Subcommittee's March 16 meeting.

On March 10, staff monitored a webinar offered by INRIX, Inc. on "INRIX National Traffic Scorecard 2009 Annual Report".

On March 16, staff attended a Maryland State Highway Administration CHART Data Use and Applications Study – Strategy Development Workshop in Hanover, Maryland and provided technical inputs.

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

- The Management, Operations, and Intelligent Transportation Systems (MOITS) Policy Task Force and Technical Subcommittee did not meet in March 2010. Staff and the consultant team work continued development of the MOITS Strategic Plan. The plan was to be released for committee comment in April.
- Staff continued coordinating with the Regional Emergency Support Function #1 – Emergency Transportation Program, Committee, and staff. No RESF-1 meeting was held in March. See also Item 2.C.
- Staff continued coordination work with the Metropolitan Area Transportation Operations Coordination (MATOC) Program. Staff began administrative work with VDOT to seek a no-cost period of performance extension of the MATOC agreement, funding, and contract from its current June 30, 2010 expiration to a new September 30, 2010 expiration. Staff also reviewed draft deliverables and other materials and provided feedback to the contractor, and began preparations for the April series of MATOC meetings. See also Item 2.I.
- Traffic Signals Activities: Staff also continued work on a regional summary map of traffic signal locations and conditions.
- Regional ITS Architecture Activities: Staff continued maintenance and update work on the Regional ITS Architecture.
- On March 24, staff participated in a meeting of the Regional Transit Operators Group.

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. The RESF-1 committee had to choose to defer the March 12th meeting and encourage committee membership to attend the Joint Force Headquarters Logistics Managers meeting held the same day at FEMA HQ. Many of RESF-1's committee members presented items to this group in reference to the regional evacuation planning.

Staff worked in March to keep the RESF-1 chairs up to date on the ongoing National Capital Region Strategic Plan update process. During this time period staff also worked to keep RESF-1 up-to-date on the UASI funded regional Metro drills. Staff also attended the Passenger Rail subcommittee of the Fire Chiefs Committee on March 19th 2010. RESF-1 will meet again April 9th 2010 at COG. Staff will coordinate with the chairs of the committee to establish an agenda for the meeting.

D. Transportation Safety Planning

Staff gathered and analyzed data related to the Street Smart Pedestrian and Bicycle Safety campaign activity.

E. Bicycle and Pedestrian Planning

The bicycle plan advisory group discussed the draft bicycle and pedestrian plan materials by conference call on March 4th, and made a number of suggestions regarding the direction of the plan revision. At its March 16th meeting the bicycle and pedestrian subcommittee suggested that the bicycle and pedestrian plan should include specific targets and performance measures that would show how well the region is achieving the goals of the Transportation Planning Board's *Vision* and the Council of Governments' *Region Forward 2050* plan.

The Subcommittee was also briefed on the Spring wave of the Street Smart Pedestrian and Bicycle safety campaign and the Transportation-Land Use Connections program call for projects. Several Subcommittee members volunteered to serve on a task force to identify regional and long-distance bikeways.

A presentation on the Street Smart campaign was prepared and hand-outs were distributed to the Transportation Planning Board at its March 17 meeting, however, the presentation had to be deferred until April due to time constraints.

As part of the U.S. DOT certification review of the Washington, D.C., metropolitan area transportation planning process, staff provided written responses to questions relating to the bicycle and pedestrian aspects of the regional transportation planning.

F. Regional Bus Planning

Staff began collecting data to respond to requests at the March 17 TPB, meeting for information on ridership and the characteristics of local and regional transit services in the region. Staff prepared for the March 23rd meeting of the Regional Bus Subcommittee. Staff also participated in a Technical Advisory Committee kick-off meeting on March 19th for a Montgomery County Bus Rapid Transit Study.

G. Human Service Transportation Coordination

Staff reviewed two applications for Section 5310 funding that were submitted to the Virginia Department of Rail and Public Transportation. The applications were reviewed for consistency with the Coordinated Human Service Transportation Plan for the National Capital Region. A memo explaining the findings was prepared and submitted to VDRPT.

Staff began preparation for a travel training seminar in April hosted in collaboration with Easter Seals Project ACTON and WMATA's Office of ADA Programs. The seminar will feature a speaker from Norfolk County, England to talk about their Travel Independence Training Across the Nation (TITAN) program.

Staff assisted in the preparation of a response to the FTA's Planning Certification Review questions pertaining to human service transportation planning, civil rights and disadvantaged-business enterprise.

H. Freight Planning

- The March 11 Freight Subcommittee meeting included a Freight Workshop. This was an opportunity for Freight Subcommittee attendees to give feedback on the development of the *National Capital Region Freight Plan*. The meeting established objectives for the Freight Subcommittee, reviewed best practices for freight transportation planning, and included a discussion on next steps for the list of freight projects.
- Staff attended the March 12, 2010 Council of Supply Chain Management Professionals meeting. John Jordan of RFID Global Solutions, Inc. spoke about how RFID technology can drive efficiencies in the supply chain.
- Staff attended the Aviation Technical Subcommittee on March 25, 2010. The meeting focused on the Ground Access Element Update.
- Staff prepared and distributed the monthly *Focus on Freight*-March 2010 newsletter.

I. Metropolitan Area Transportation Operations Coordination Program Planning (MATOC)

On December 16, 2009, the TPB amended this new task into the UPWP. Under this work task, TPB provides planning support for the Metropolitan Area Transportation Operations Coordination (MATOC) Program, in conjunction with the MATOC Steering Committee, subcommittees, and partner agencies. The MATOC Program's mission is to monitor, analyze, and provide stakeholder notifications and traveler information to maintain regional situational awareness of regional traffic and transit conditions on a real-time basis, especially during major incidents. MATOC's operational and implementation activities are being funded outside the UPWP by a dedicated grant from the federal SAFETEA-LU transportation legislation, as well as by other current and anticipated future funding. These real-time actions must also be supported by planning activities in part addressed through this UPWP task, including committee support and outreach as well as technical, legal, financial, and administrative planning for MATOC.

Work under this task in March 2010 included:

- Under the guidance of staff, the consultant team prepared for and participated in a meeting of the MATOC Operations Subcommittee on March 11 and the monthly MATOC Steering Committee meeting on March 16.
- Under the guidance of staff, the consultant team developed a benefit-cost analysis for the MATOC Program, summarized in a draft presentation, with a white paper to be developed in future months.

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

Regarding the upcoming air quality conformity assessment of the 2010 CLRP and FY2011-2016 TIP, staff completed the draft scope of work for the conformity analyses and project inputs and continued to monitor transit fare changes throughout the region in preparation for updating the fare matrix.

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 March TPB meeting and air quality conformity consultation elements.

B. Mobile Emissions Analysis

Staff continued with climate change work activities, primarily involving the assessment of control strategies. This included continuing the analysis of new control measure

proposals, such as ECO driving and shifts of freight from truck to rail, and work to finalize the draft report on measures analyzed to date. Staff attended the March meeting of COG's Climate, Energy and Environment Policy Committee, and also conducted the regional Greenhouse Gas Emissions Inventory Workshop on March 26th, on the topic of travel forecasting and mobile source emissions estimation.

In conjunction with COG/DEP, staff continued work activities to test EPA's MOVES2010 model. This involved testing the latest program version using default settings, developing local input data in special MOVES categories, e.g., vehicle population and age distributions by MOVES vehicle type, VMT by MOVES (HPMS) vehicle type, VMT fractions by MOVES facility type, vehicle hours of travel by speed bin, vehicle type and facility type, and executing the model using the draft local data inputs.

The MOVES Task Force met on March 16, 2010 and reviewed the preliminary test results obtained with default data and some of the local transportation inputs using the MOVES model. The Task Force was briefed on the development of local data inputs to the MOVES2010 model (transportation and meteorology) and concurred with the staff recommendations.

In March COG/DEP staff performed the following:

- Worked on developing recommendations for the March 16, 2010 MOVES Task Force meeting. Specifically, worked on developing recommendations for MOVES meteorology and emissions development (emission factor vs. total emission) approach.
- Worked on developing data for MOVES meteorology (2007-09) for winter CO, ozone, and PM2.5 MOVES runs and also compared data with MOVES default.
- Estimated MOVES emissions development time for emission factor vs. total emission approaches and compared the two to develop recommendation for using an emissions development approach.
- Coordinated with states on getting fuel program and I/M program information for MOVES model for running 2005 and 2007 MOVES scenarios.
- Continued to work collaboratively with COG/DTP staff on analysis of data inputs needs for the MOVES model.
- Kept up to date with MARAMA MOVES modeling activities as part of photochemical modeling for the new ozone and fine particle standards and also received latest updates from EPA OTAQ staff on the MOVES model.
- Presented updates on MOVES transition issues and MOVES Task Force in MWAQC-TAC meeting and attended TPB and TPB Technical Committee meetings in March.

- Tracked development of the “What would it Take” Scenario study.

In support of SIP planning activities, staff participated in the March meeting of MWAQC’s Technical Advisory Committee.

C. Regional Studies

TPB staff continued work on the CLRP Aspirations and What Would it Take scenarios. Staff continued work on the final documentation of the “What Would It Take?” scenario, including continued revision of the draft technical report and work on the draft final report. Staff completed analysis of one new emission reduction measure and revised two other measures. Staff also completed analysis on the CLRP Aspirations scenario including four model runs and performance analysis for the full scenario and one land use sensitivity. Staff began work on the final documentation for this scenario. Staff presented the interim results of the CLRP Aspirations scenario to the COG Planning Directors Technical Advisory Committee.

On March 9, a selection committee with representatives from VDOT, WMATA, DDOT and Montgomery County selected the consultant to develop implementation guidelines for prioritizing bus transit on arterials based upon experience in this region and other metropolitan areas. The contract for this work will begin in April.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff completed the development of a new Transportation Analysis Zone (TAZ) “pseudo” household file based on the postal carrier route household counts that were used as the sampling frame for the 2007/2008 Household Travel Survey. This “pseudo” household file will be used as reasonableness check of the draft Round 8.0 TAZ-level submissions from local jurisdictions and for the development of the new TPB until the Round 8.0 submissions are received from local jurisdictions.

Staff received TAZ-level Round 8.0 forecasts from the District of Columbia, Arlington, and Fairfax Counties. Staff reviewed these TAZ-level forecasts and followed up with planning staff in these jurisdictions with some questions and a few minor data related issues.

Staff sent out to local jurisdiction planning staff a listing of identified 2009 commercial construction projects for their review and continued on the Commercial Construction Indicators Report for 2009.

Staff began development of GIS street network layers for the new 3722-TAZ system to develop potential measures of the quality of the pedestrian environment within each TAZ.

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

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

Staff shared jurisdictional maps of the 3,722 TAZ highway network developed from the TPB's GIS-based network development process with the Travel Forecasting Subcommittee at the March 19 meeting. TPB staff asked subcommittee members to review the newly developed centroid connectors. The TFS was informed that the 2007 highway and transit network is now being reviewed using the TPB's travel modeling software (Cube/TP+). Highway link attributes and transit lines are currently under review. The refinements to the highway and transit networks are expected to continue into April. Staff has made considerable progress on Cube/Voyager-based network building procedures and transit access link development.

Staff also continued the update of current year (2009) transit networks using the most recent transit schedule data. This work will inform the existing (2,191 zone) transit networks that will support the Plan Update and Air Quality Conformity Analysis which planned to commence in April.

B. GIS Technical Support.

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

Staff installed ArcGIS 9.3 on several desktop and laptop computers to test the functionality of this new version and to determine if upgrading to this new version would improve the performance of the GIS-based application that is used to develop walk sheds for the TPB travel demand forecasting model.

Staff performed quality control checks on the updated the regional highway and transit network databases in the Master Highway and Transit Network editing application and made some additional updates to the highway and transit network databases.

Staff continued to support the network coding team on the use of the Master Highway and Transit Network editing application.

The consultant delivered an updated version of the Master Highway and Transit Network editing application that resolved a problem with the transit network export function.

Staff attended and participated in the March MD MSGIC executive committee meeting.

C. Models Development

TPB staff presented recently completed demographic tabulations of the American Community Survey to the Travel Forecasting Subcommittee at the March meeting. The jurisdictional summaries will be used to inform the Version 2.3 demographic models. Staff also presented on recent efforts to develop revised airport passenger travel based on the 2007 Airport Passenger Survey. Although calibration work has not yet commenced, staff has spent a considerable amount of effort reviewing newly developed land use files on the new TAZ system and compiling transit surveys (i.e., the 2008 Metrorail Passenger Survey and the 2008 Bus On-Board Survey) which will be used to establish mode choice model calibration “targets”.

The TPB’s consultant for conducting national research on travel modeling practice, Cambridge Systematics, continued work on four new task orders that had been recently advanced by TPB staff. CS presented this effort to the TFS at its March meeting. CS announced the results of this research will be presented at the next (May) TFS meeting.

As part of the on-going AMPO Advanced Travel Modeling Study, TPB was selected as one of 19 MPO’s to complete a survey on experiences and plans to implement more advanced travel modeling methods. The survey was completed and transmitted back to the AMPO contractor on March 22.

Models development staff received the final household, person, trip, and vehicle files of the 2007/08 Household Travel Survey on March 26. The development of final trip generation and trip distribution calibration files will commence in April.

D. Software Support

Staff finalized a memorandum documenting basic data back-up procedures and subsequently distributed it to staff.

5. TRAVEL MONITORING

A. Cordon Counts

Staff submitted a memorandum to the Travel Forecasting Subcommittee in March to inform the Subcommittee that staff would conduct Regional HOV cordon count data collection in accordance with prior years’ list of stations, rather than the revised list that was presented to the Subcommittee in January. This was necessary because the revised list omitted counting stations that VDOT requested be reinstated to maintain a time-series data set for those locations. This issue was identified in the February progress report.

Also, during March, staff continued processing of transit and highway traffic count data

collected in Spring 2009 as part of the Central Employment Cordon Count project.

Field data collection, which included travel time data collection as well as traffic counts, continued throughout March in support of the Regional HOV data collection project.

B. Congestion Monitoring and Analysis

Staff completed the arterial travel time data collection. The data are being cleaned and preliminary analysis is underway. Once the data have been scrubbed, make-up data collection runs will be conducted as needed. The UPWP has been amended to reflect the delay to the program.

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

Staff continued the preparation of the technical documentation for the final geocoded, edited and factored Household Travel Survey (HTS) trip file.

Staff continued to work with the members of the models development team on the review of the HTS data for the development of the Version 2.3 travel demand forecasting model.

Staff presented an analysis of changes in household sizes, household and person trip rates between the 1994 and 2007/2008 household travel surveys to the TPB at their March meeting.

Staff began analysis of the 2007/2008 Household Travel Survey GPS add-on data.

Staff coordinated with and MDDOT and VDOT on the sharing of household travel data for their statewide transportation modeling and planning efforts.

Staff assisted consultants for Arlington County transportation staff on an HTS follow on survey in three areas of Arlington County.

Staff assisted consultants for the City of Alexandria transportation with data for a BRAC related planning study.

D. Regional Transportation Data Clearinghouse

Staff continued the re-design and programming of the user interface for the Regional Transportation Clearinghouse.

Staff continued development of a methodology to link the Transportation Data Clearinghouse daily traffic volumes and hourly counts to the new highway network based on the new 3722 TAZ system.

6. **TECHNICAL ASSISTANCE**

A. **DISTRICT OF COLUMBIA**

1. Program Development, Data Requests & Miscellaneous Services

No activity to report during the reporting period.

2. FY10 DDOT Traffic Counts

Staff began development of a listing of the locations for CY2010 traffic counts

3. Bicycle Counts

Staff performed one-day of bike counts along the following streets in the District of Columbia at the request of DDOT:

- Pennsylvania Avenue, NW
- I Street, NW
- G Street, NW
- 14th Street, NW
- 15th Street, NW

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

This project provides partial funding for the consultant study to evaluate the Metrobus Priority Network. See the progress report on this study under WMATA work Activity 6.D.3.

5. WARD 6 Performance Based Parking Pilot Curbside Data Collection

No activity to report. The draft report was submitted to DDOT in early October. Following DDOT review, staff will address all comments and prepare a final report, if necessary. To date, no comments have been received.

6. 2009 Automobile Travel Time Survey

A preliminary scan of billboards and other outdoor advertising signs was performed along District of Columbia streets and highways with functional class of principal arterial or higher. This was performed as an initial activity in preparation of documentation demonstrating compliance with FHWA outdoor advertising in transportation corridors regulations

7. Unprogrammed

No work activity specified.

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

No activity to report during the reporting period.

9. 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.

B. MARYLAND

1. Program Development /Management

Staff continued coordination with MDOT and MD SHA staff regarding execution of FY2010 work program activities and discussion of upcoming FY2011 technical assistance activities. Staff also hosted the bi-monthly coordination meeting with MD SHA staff in the COG offices on March 19th.

2. Miscellaneous Services

No activity to report during the reporting period.

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 / I-270 Studies

Staff presented Validation and No Build results to MD SHA staff at the March SHA/ TPB coordination meeting. Staff also completed highway coding for Alternative 3B networks and began executing travel demand modeling work by testing possible ways to incorporate transit (CCT) the build alternatives. On a different track, TPB staff is still awaiting for draft subarea land use information from Frederick County. The subarea networks based on the forthcoming Frederick County land use data will be used after each regular model run to provide a more detailed traffic assignment. Work on this project is now being funded within the

Maryland technical assistance Project Planning / Feasibility Studies element, reported below.

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

No activity to report during this reporting period.

6. Project Planning / Feasibility Studies

Following the expenditure of all funds on the I-270 Study project element within the Maryland technical assistance program, work activities on that project are now being incorporated into this project area.

7. Managed Lanes-Planning

Having now completed all travel modeling work, staff continued work to document the results of the study in a final report.

8. Traffic Impacts

No activity to report for during the reporting period.

9. Project Evaluation

No activity to report during the reporting period.

10. Statewide Travel Demand Model

Staff prepared a list of completed projects to assist Maryland SHA and their consultants with development of their statewide network.

11. Development/Refinement of Technical Methods

Staff conducted the bi-monthly Maryland coordination meeting, and discussed future steps in the evaluation of the FHWA software, BCA.net.

12. Monitoring Studies

No activity to report during this reporting period.

13. Transportation Land Use Connection (TLC)

Work proceeded on all ten projects that have been funded for the FY2010 round of TLC projects. On March 12, the TPB issued a Call for Projects for the FY2011 round of TLC projects.

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 6.D.3.

C. VIRGINIA

1. Program Development

No activity to report during the reporting period.

2. Miscellaneous Services

No activity to report during the reporting period.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

In support of the travel characteristics in the Dulles corridor report for NVTC, staff gathered bus transit data from Fairfax County and Loudoun County, and calculated the time of day that buses crossed the Dulles Corridor screen line using departure time from counting location. Since buses were not counted at the screenline, staff had to determine the approximate time from when the bus left to the screen line of VA 267 or VA 7. Staff also calculated modal shares (HOV, SOV, Transit) and calculated peak hour and peak period for travel in Dulles Corridor. Finally, staff began writing analysis of travel for Dulles Corridor.

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

No activity to report during the reporting period.

5. Travel Forecast Model Refinements

No activity to report during the reporting period.

6. Data Mine State of the Commute Survey

No activity to report during the 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 6.D.3.

D. **WMATA**

1. Program Development

No activity to report during the reporting period.

2. Miscellaneous Services

No activity to report during the reporting period.

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

The consultant team submitted the draft final report to WMATA and the PNC technical committee on January 29 for review and comment during February. The budget for this project was increased by \$25,000 on January 8, 2010 by TPB Steering Committee Resolution SR12-2010.

4. Analyze Bus Passenger Survey Trip Origins and Destinations

Staff began analysis of the geocoding of the 2008 Regional Bus Survey origin and destination trip ends.

5. Collection of Bus Passenger Counts

This work activity was deleted on January 8, 2010 by TPB Steering Committee Resolution SR12-2010.

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

A. Conduct 2009 Air Passenger Survey

Staff commenced processing and analyzing the survey data once the FAA AIP grant funding this activity was awarded in March. The survey was conducted at all three commercial airports in the region: Baltimore-Washington International Thurgood Marshal Airport, Ronald Reagan Washington National Airport, and Washington-Dulles International Airport. More than 21,000 surveys for 685 flights were completed accounting for 37,000 passengers.

Staff will provide a technical memorandum containing general findings data tables to the Aviation Technical Subcommittee at its May meeting.

B. Process 2009 Air Passenger Survey

No activity to report during the 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 to report during the reporting period.

2. Ground Access Element Update

Staff reviewed comments on the Preliminary Draft Ground Access Element Update with the Aviation Technical Subcommittee at its March meeting. The Subcommittee will conduct a document/comment review session at its May meeting that will result in a revised Draft Ground Access Element Update.

Staff reviewed comments on the Preliminary Draft Ground Access Element Update that was presented at the 28 January 2010 meeting of the Aviation Technical Subcommittee. During February, comments were received from the Washington Airports Task Force.

D. Ground Access Travel Time Study

No activity to report during the reporting period.

E. Other CASP Activities

No activity to report during the reporting period.

8. **SERVICES/SPECIAL PROJECTS**

A. DDOT Commercial Curbside Loading Zone Data Collection

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. 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 March 31, 2010

4/30/2010

| | BUDGET TOTAL | FUNDS EXPENDED | % FUNDS EXPENDED |
|---|------------------|-------------------|---------------------|
| 1. PLAN SUPPORT | | | |
| A. Unified Planning Work Program (UPWP) | 70,700 | 56,631 | 80% |
| B. Transportation Improvement Program (TIP) | 251,830 | 92,930 | 37% |
| C. Constrained Long-Range Plan | 638,400 | 414,288 | 65% |
| D. Financial Plan | 134,000 | 68,583 | 51% |
| E. Public Participation | 446,900 | 340,622 | 76% |
| F. Private Enterprise Participation | 18,300 | 8,606 | 47% |
| G. Annual Report | 80,100 | 31,737 | 40% |
| H. Transportation / Land Use Connection Program | 465,000 | 209,582 | 45% |
| I. DTP Management | 452,100 | 274,870 | 61% |
| SUBTOTAL | 2,557,330 | 1,497,849 | 59% |
| 2. COORDINATION PLANNING | | | |
| A. Congestion Management Process (CMP) | 155,000 | 126,755 | 82% |
| B. Management, Operations & ITS Planning | 390,300 | 331,292 | 85% |
| C. Emergency Preparedness Planning | 75,400 | 38,554 | 51% |
| D. Transportation Safety Planning | 100,000 | 34,698 | 35% |
| E. Bicycle and Pedestrian Program | 108,700 | 57,686 | 53% |
| F. Regional Bus Planning | 100,000 | 64,431 | 64% |
| G. Human Service Transportation Coordination Planning | 114,800 | 64,120 | 56% |
| H. Freight Planning | 130,000 | 98,629 | 76% |
| I. MATCO Program Planning & Support | 90,000 | 0 | 0% |
| SUBTOTAL | 1,264,200 | 816,164 | 65% |
| 3. FORECASTING APPLICATIONS | | | |
| A. Air Quality Conformity | 563,200 | 310,957 | 55% |
| B. Mobile Emissions Analysis | 640,100 | 518,144 | 81% |
| C. Regional Studies | 415,800 | 289,102 | 70% |
| D. Coord. Cooperative Forecasting & Trans Planning | 726,800 | 483,602 | 67% |
| SUBTOTAL | 2,345,900 | 1,601,806 | 68% |
| 4. DEVELOPMENT OF NETWORKS AND MODELS | | | |
| A. Networks Development | 769,700 | 555,219 | 72% |
| B. GIS Technical Support | 548,800 | 364,163 | 66% |
| C. Models Development | 1,071,200 | 665,765 | 62% |
| D. Software Support | 178,900 | 76,181 | 43% |
| SUBTOTAL | 2,568,600 | 1,661,328 | 65% |

**FY 2010 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY**

FY-TO-DATE March 31, 2010

| | BUDGET TOTAL | FUNDS EXPENDED | % FUNDS EXPENDED |
|--|-------------------|-------------------|---------------------|
| 5. TRAVEL MONITORING | | | |
| A. Cordon Counts | 460,750 | 148,655 | 32% |
| B. Congestion Monitoring and Analysis | 400,000 | 315,553 | 79% |
| C. Travel Survey and Analysis Household Travel Survey | 456,300 | 342,491 | 75% |
| D. Regional Transportation Clearinghouse | 267,900 | 134,432 | 50% |
| SUBTOTAL | 1,584,950 | 941,131 | 59% |
| SUBTOTAL CORE PROGRAM ITEMS 1-5 | 10,320,980 | 6,518,277 | 63% |
| 6. TECHNICAL ASSISTANCE | | | |
| A. District of Columbia | 337,050 | 121,456 | 36% |
| B. Maryland | 631,500 | 360,694 | 57% |
| C. Virginia | 431,643 | 275,141 | 64% |
| D. WMATA | 210,977 | 144,182 | 68% |
| SUBTOTAL | 1,611,170 | 901,474 | |
| TPB GRAND TOTAL | 11,932,150 | 7,419,751 | 62% |

**FY 2010 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**

FY-TO-DATE March 31, 2010
SUPPLEMENT 1

4/30/2010

| | COST CODES | TOTAL | | TOTAL | | FTA/STA/LOC | | PL FUNDS/LOC | |
|---|---------------|------------------|-------------------|----------------|-------------------|----------------------|-------------------|----------------------|-------------------|
| | | BUDGET | EXPENDITURES | BUDGET | EXPENDITURES | AUTHORIZED BUDGET | EXPENDITURES | AUTHORIZED BUDGET | EXPENDITURES |
| A. District of Columbia | | | | | | | | | |
| 1. Program Development, Data Requests & Misc. Services | 040 | 17,500 | 14,521.44 | 2,327 | 1,930.54 | 15,173 | 12,590.90 | 15,173 | 12,590.90 |
| 2. DDOT Traffic Counts | 041 | 150,000 | 27,010.36 | 19,944 | 3,591.22 | 130,056 | 23,419.14 | 130,056 | 23,419.14 |
| 3. Bicycle Counts | 042 | 55,000 | 1,189.48 | 7,313 | 158.16 | 47,687 | 1,031.32 | 47,687 | 1,031.32 |
| 4. Phase II - Evaluation of the Metrobus Priority Corridor Network | 043 | 33,000 | 31,867.00 | 4,388 | 4,237.33 | 28,612 | 27,629.67 | 28,612 | 27,629.67 |
| 5. DC Ward 6 Ballpark | 044 | 15,800 | 11,703.47 | 2,101 | 1,556.27 | 13,699 | 10,147.21 | 13,699 | 10,147.21 |
| 6. 2009 Automobile Travel Time Survey | 045 | 30,000 | 3,239.91 | 3,989 | 430.80 | 26,011 | 2,809.11 | 26,011 | 2,809.11 |
| 7. Unprogrammed | 046 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 8. Purple Line / Return to L'Enfant Conformity Assessment | 047 | 32,000 | 31,825.86 | 4,255 | 4,231.82 | 27,745 | 27,594.04 | 27,745 | 27,594.04 |
| SUBTOTAL | | 333,300 | 121,357.53 | 44,316 | 16,136.14 | 288,984 | 105,221.39 | 288,984 | 105,221.39 |
| B. Maryland | | | | | | | | | |
| 1. Program Development/Management | 060 | 25,000 | 18,220.93 | 3,324 | 2,422.65 | 21,676 | 15,798.28 | 21,676 | 15,798.28 |
| 2. Miscellaneous Services | 061 | 24,200 | 0.00 | 3,218 | 0.00 | 20,982 | 0.00 | 20,982 | 0.00 |
| 3. MDOT Training / Technical Support | 062 | 25,000 | 18,256.58 | 3,324 | 2,427.40 | 21,676 | 15,829.19 | 21,676 | 15,829.19 |
| 4. SHA-Western Mobility/Capital Beltway Studies | 063 | 82,300 | 73,145.97 | 10,942 | 9,724.95 | 71,358 | 63,421.02 | 71,358 | 63,421.02 |
| 5. MTA- Corridor Cities Transit way / Purple Line Transit | 064 | 40,000 | 32,634.98 | 5,318 | 4,338.82 | 34,682 | 28,296.16 | 34,682 | 28,296.16 |
| 6. Project Planning / Feasibility Studies | 065 | 77,000 | 6,268.72 | 10,238 | 833.49 | 66,762 | 5,435.22 | 66,762 | 5,435.22 |
| 7. Managed Lanes-Planning | 066 | 135,000 | 125,647.18 | 17,949 | 16,705.49 | 117,051 | 108,941.69 | 117,051 | 108,941.69 |
| 8. Traffic Impacts | 067 | 5,000 | 1,082.25 | 665 | 143.94 | 4,335 | 938.31 | 4,335 | 938.31 |
| 9. Project Evaluation | 068 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 10. Statewide Travel Demand Model | 069 | 35,000 | 26,454.87 | 4,653 | 3,516.99 | 30,347 | 22,937.88 | 30,347 | 22,937.88 |
| 11. Development/Refinement of Technical Methods | 070 | 50,000 | 20,223.72 | 6,648 | 2,688.94 | 43,352 | 17,534.78 | 43,352 | 17,534.78 |
| 12. Monitoring Studies | 071 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 13. Transportation Land Use Connection (TLC) | 072 | 100,000 | 4,727.60 | 13,296 | 628.58 | 86,704 | 4,099.02 | 86,704 | 4,099.02 |
| 14. Phase II - Evaluation of the Metrobus Priority Corridor Network | 073 | 33,000 | 31,867.00 | 4,388 | 4,237.33 | 28,612 | 27,629.67 | 28,612 | 27,629.67 |
| SUBTOTAL | | 631,500 | 358,529.78 | 83,963 | 47,668.58 | 547,537 | 310,861.20 | 547,537 | 310,861.20 |
| C. Virginia | | | | | | | | | |
| 1. Program Development | 080 | 8,000 | 11,146.04 | 1,064 | 1,481.78 | 6,936 | 9,664.26 | 6,936 | 9,664.26 |
| 2. Miscellaneous Services | 081 | 643 | 307.40 | 85 | 40.64 | 558 | 266.76 | 558 | 266.76 |
| 3. NVA. HOV Facilities Monitoring & Data Collection | 082 | 255,000 | 231,821.69 | 33,905 | 30,823.19 | 221,095 | 200,998.49 | 221,095 | 200,998.49 |
| 4. High Occupancy / Toll (Hot) Lane Analysis I-95 / 395 Corridor | 083 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 5. Travel Forecast Model Refinements | 084 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 6. Data Mine State of the Commute Survey | 085 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 7. Phase II - Evaluation of the Metrobus Priority Corridor Network | 086 | 33,000 | 31,866.00 | 4,388 | 4,237.19 | 28,612 | 27,628.81 | 28,612 | 27,628.81 |
| SUBTOTAL | | 296,643 | 275,141.13 | 39,442 | 36,582.80 | 257,201 | 238,558.33 | 257,201 | 238,558.33 |
| D. WMATA | | | | | | | | | |
| 1. Program Development | 100 | 10,000 | 4,303.60 | 10,000 | 4,303.60 | 0 | 0.00 | 0 | 0.00 |
| 2. Miscellaneous Services | 101 | 35,977 | 9,637.70 | 35,977 | 9,637.70 | 0 | 0.00 | 0 | 0.00 |
| 3. Phase II - Evaluation of the Metrobus Priority Corridor Network | 102 | 125,000 | 125,991.60 | 125,000 | 125,991.60 | 0 | 0.00 | 0 | 0.00 |
| 4. Analyze Bus Passenger Survey Trip Origins & Destinations | 103 | 40,000 | 4,249.52 | 40,000 | 4,249.52 | 0 | 0.00 | 0 | 0.00 |
| 5. Collection of Bus Passenger Counts | 104 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| SUBTOTAL | | 210,977 | 144,182.43 | 210,977 | 144,182.43 | 0 | 0.00 | 0 | 0.00 |
| GRAND TOTAL | | 1,472,420 | 899,210.87 | 378,697 | 244,569.94 | 1,093,722 | 654,640.93 | 1,093,722 | 654,640.93 |