

# **FY 2010**

**NATIONAL CAPITAL REGION**

**TRANSPORTATION PLANNING BOARD (TPB)**

**Work Program Progress Report**

**DECEMBER 2009**

## PROGRAM HIGHLIGHTS

### 1. PLAN SUPPORT

#### A. Unified Planning Work Program (UPWP)

At its December 9 meeting, the Steering Committee approved amendments to the FY2010- 2015 TIP to modify funding for projects as requested by DDOT and MDOT.

At its December 16 meeting, the TPB approved a major amendment to the FY UPWP that will increase the budget by \$868,000 and modify several work tasks. This amendment will be submitted to FHWA and FTA for their review and approval.

#### B. Transportation Improvement Program (TIP)

On December 4, the TPB Steering Committee approved two amendments to the FY 2010-2015 TIP. The first amendment was requested by DDOT to include the St. Elizabeth's Campus Access Improvements Project. The second amendment was requested by VDOT to include additional funding for a road widening project in Fairfax County. At their December 16 meeting, the TPB approved an amendment that added an additional \$100,000 to the FY 2010 UPWP to make improvements to the CLRP and TIP database. These improvements will make data entry easier for agencies when they submit information for project submissions or TIP amendments.

#### C. Constrained Long-Range Plan (CLRP)

At the December 4 Technical Committee meeting, staff presented a draft of the summary brochure for the 2009 CLRP and FY 2010-2015 TIP. Previously separate brochures had been produced for the CLRP update and for the TIP update. Combining the brochures will eliminate redundant information and reinforce the relationship between the CLRP and TIP. At their December 16 meeting, the TPB approved an amendment that added an additional \$100,000 to the FY 2010 UPWP to make improvements to the CLRP and TIP database. These improvements will make data entry easier for agencies when they submit information for annual CLRP project updates or TIP amendments.

#### D. Financial Plan

The consultant continued to work with implementing agency staffs to review their available cost and revenue data and forecasting methodologies.

E. Public Participation

On December 10, the CAC conducted its regular monthly meeting in Alexandria at the United States Patent and Trademark Office. This meeting featured briefings about issues of particular importance to Alexandria and of regional and national significance. Rich Baier, Director of Alexandria's Department of Transportation and Environmental Services, gave a presentation that described the local implications of regional challenges that the TPB grapples with on a regular basis. Lois Walker, from Virginians for High-Speed Rail, spoke about opportunities for high-speed rail that are now emerging across the nation and in Virginia. Finally, Maria Zimmerman, from the group Reconnecting America, gave an overview of how federal policies and programs are changing.

Staff continued working on a scope for conducting outreach for the 2010 Constrained Long-Range Plan. In January, staff intends to issue a Request for Proposals to secure consultant assistance in conducting focus groups on the region's transportation funding problems.

F. Private Enterprise Participation

No work activities during the reporting period.

G. Annual Report

The December edition of the 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. Kickoff meetings were held for two projects held in December. The final one for this round will be held in January.

Staff continued work on the development of a scope for 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. 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 meetings of the TPB, the Steering Committee, and the technical Committee, the following activities were undertaken:

- The DTP Director attended a meeting in Montgomery County concerned with funding strategies for the Purple Line and the Corridor Cities Transitway.

- The DTP Director participated in a meeting at USDOT on performance management for transportation systems involving representatives from AASHTO, APTA, and AMPO.
- The DTP Director gave a presentation at the annual meeting of the International Bridge, Tunnel, and Turnpike Association.

## 2. COORDINATION PLANNING

### A. Congestion Management Process (CMP)

Staff continued technical and compiling work for the 2010 CMP Technical Report. Among other revisions, staff concentrated on and completed the update of one of the two key chapters of the report, Chapter 3, "Where congestion occurs or will occur in the metropolitan Washington area".

Staff distributed a memorandum of "Update Local Jurisdictional Travel Demand Management Strategies for the 2010 Congestion Management Process (CMP) Technical Report" to the Management, Operations and Intelligent Transportation Systems (MOITS) subcommittee for its December 8 meeting.

### 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 December 8, 2009. The group continued discussion of MOITS Strategic Plan development activities, including a presentation from the strategic plan consultant team, 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 for the next scheduled regular RESF-1 Committee meeting on January 8, 2010. See also Item 2.C.
- Staff also continued coordination work with the Metropolitan Area Transportation Operations Coordination (MATOC) Program, including participation in the monthly MATOC Steering Committee meeting on December 15. Staff also provided support work for an amendment to the Unified Planning Work Program to establish TPB staff support for MATOC Program planning as a separate work task; the TPB approved this action as part of a larger amendment at its December 16 meeting. See also Item 2.I.
- MOITS Strategic Plan Activities: Staff was in frequent contact throughout November with and oversaw the consultant team as the team continued developing the plan, as well as to plan for and conduct the third MOITS Strategic Plan Working Group meeting on December 8.

- Regional ITS Architecture Activities: Staff continued maintenance and update work on the Regional ITS Architecture. The MOITS Regional ITS Architecture Subcommittee did not meet in December. Staff made a major presentation at and participated in a two-day District of Columbia Department of Transportation ITS Architecture workshop on December 1 and 2.
- Traffic Signals Activities: Staff continued work on a regional summary map of traffic signal locations and conditions, and prepared for the next Traffic Signals Subcommittee meeting scheduled for January 14, 2010.
- Staff undertook preparatory and supporting work in the above areas.
- On December 1, staff participated in the regular meeting of the Executive Board of the I-95 Corridor Coalition in Philadelphia, Pennsylvania.
- On December 3, staff participated in a Federal Highway Administration Webinar on Regional Transportation Systems Management and Operations.

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. In addition to staffing RESF-1's meeting on November 11th staff also attended a multiple UASI 2010 priority setting and project selection meetings. Staff also, met with the co-chairs of RESF-1 on December 22<sup>nd</sup> 2009 in order to develop a work plan for RESF-1 for 2010. At this meeting the group also discussed a strategy for RESF-1 to use for future UASI processes. Staff began preparations for the next monthly meeting which will take place on January 8<sup>th</sup> 2010.

RESF-1's staff person also presented an update on the 2010 UASI process and RESF-1 activities to MOITS at its December 8th meeting. Within work for the current 2010 UASI process staff attended meetings related to regional priority setting and project selection. During this time period staff worked to keep RESF-1 up-to-date on the UASI 2010 process to include any requests for information from the CAO/SPG. RESF-1's staff person also attended the Passenger Rail subcommittee of the Fire Chiefs Committee on December 18<sup>th</sup>.

D. Transportation Safety Planning

No activity to report during this reporting period.

E. Bicycle and Pedestrian Planning

On December 4 TPB staff gave a presentation to the TPB Technical Committee on the top priority unfunded bicycle and pedestrian project list which the bicycle and pedestrian subcommittee had approved at its November 17 meeting. The Chair of the Bicycle and Pedestrian Subcommittee, David Goodman of

Arlington Department of Environmental Services, gave a presentation to the TPB on the list at its December 16 meeting.

F. Regional Bus Planning

During the month of December, staff began the process of assembling a proposal for a regional bus stop improvement program, for potential funding under a new US DOT Bus Livability Grant program. Staff prepared for the December 22 meeting of the Regional Bus Subcommittee, which was cancelled due to low attendance and inclement weather. Staff continued to research opportunities for coordination between bus operators, and visualization of out-year bus transit routes and levels of service.

G. Human Service Transportation Coordination

Staff continued to work on updates to the Coordinated Human Service Transportation Plan, including drafting an executive summary. Staff refined a PowerPoint presentation on the coordinated plan update and delivered it at the December 4 Technical Committee meeting. Staff revised the presentation and the plan based on Technical Committee feedback, and presented the plan update to the TPB at its December 16 meeting.

Staff prepared for the 2010 solicitation by revising the solicitation brochure and application, updating the website, and identifying potential dates for pre-application conferences.

H. Freight Planning

- Staff continued to work on the *National Capital Region Freight Plan*. This included describing the planning context, the TPB Freight Program, and the existing freight conditions for the National Capital Region.
- The TPB received a letter from Norfolk Southern on October 2, 2009 in request of support for the Norfolk Southern Crescent Corridor Freight Project. Staff coordinated with Norfolk Southern staff to have them present at the December 4, 2009 Technical Committee meeting regarding the Crescent Corridor project. The Technical Committee reviewed a draft letter of support to Secretary of Transportation Ray LaHood in response to the Norfolk Southern request.
- At its December 16, 2009 meeting, The TPB reviewed the draft letter for the Crescent Corridor project. The TPB voted to delay its decision for one month to give Norfolk Southern time to provide MDOT with additional information. MDOT expressed concerns about the number of truck trips generated from the new intermodal facility that is proposed to be built in Greencastle, PA.

- Staff prepared and distributed the monthly *Focus on Freight*-December 2009 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 will provide 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 will begin in January 2010.

3. FORECASTING APPLICATIONS

A. Air Quality Conformity

Regarding the upcoming air quality conformity of the 2010 CLRP and FY2011-2016 TIP, staff communicated with implementing agencies regarding project inputs. Staff reviewed Fairfax County bus route changes in preparation for incorporation into the base transit routes for the conformity analysis.

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 December TPB meeting and air quality conformity consultation elements.

B. Mobile Emissions Analysis

Staff continued with climate change work activities, from quality-assurance and documentation of mobile source emissions inventories to assessment of control strategies. Staff analyzed a number of new green house gas reduction initiatives such as ECO driving, idling reduction and heavy duty CAFE including doubling the fuel economy of heavy duty vehicles by 2020, and also estimated the cost-effectiveness of a number of previously analyzed measures. Staff continued to work on completing the technical report detailing all the work associated with greenhouse gas reduction measures.

Staff continued coordination with COG / DEP staff on the COG Climate, Energy and Environment Policy Committee (CEEPC)'s draft 2009-2012 Regional Climate Action Workplan.

In conjunction with COG/DEP, staff continued work activities to test the new draft version of EPA's MOVES model. Staff completed development of 2005 and 2030 local input data for all jurisdictions in the non-attainment area for testing with the draft MOVES 2009 model. With EPA's release of the MOVES 2010 version, staff reviewed the model's technical and policy guidance; and also reviewed the new model and its associated local data converters which will be used to develop local data inputs to the MOVES 2010 model. The MOVES Task Force did not meet during the month of December. The next meeting of the Task Force will be on January 19, 2010.

In support of SIP and greenhouse gas planning activities, staff participated in meetings / conference call of MWAQC, its Technical Advisory Committee, and its Budget Committee. The Travel Management Subcommittee did not meet during the month of December but the subcommittee was briefed on the ongoing work program activities by an email.

In December COG/DEP staff performed the following:

- Coordinated with DTP staff regarding COG's review of the EPA draft MOVES technical guidance document.
- 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 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, attended TPB Technical Committee and TPB meetings in December.
- Tracked development of the "What would it Take" Scenario study.
- Worked on developing integrated timeline for future conformity using the MOVES model and the State Implementation Planning process.

#### C. Regional Studies

TPB Staff continued work on the CLRP Aspirations and What Would it Take? scenarios. Staff presented overviews of the two scenarios to the TPB Technical Committee. Staff completed coding of the CLRP Aspirations scenario, including both transit networks and land use inputs. Staff also continued to analyze measures from the COG Climate Change Report for incorporation into the What Would it Take scenario. Staff completed analysis of most measures included in the scenario.

#### 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 on the new TAZ system.

Staff continued to review the draft jurisdiction level Round 8.0 forecasts with the Planning Directors' Technical Advisory Committee (PDTAC).

Staff presented an analysis of the draft local jurisdiction household forecasts relative to the regional econometric model for the 2015 to 2030 period to the Cooperative Forecasting Subcommittee and the Planning Directors' Technical Advisory Committee (PDTAC). After a review of this analysis, the Cooperative Forecasting Subcommittee re-affirmed their draft Round 8.0 local jurisdiction household forecasts that predict a faster recovery of the region's residential housing market in the 2015 to 2030 period than is projected in the regional econometric model. The PDTAC concurred with the recommendation of the Cooperative Forecasting Subcommittee not to downward adjust the draft Round 8.0 jurisdiction household forecasts to bring them into closer alignment with the regional econometric model benchmark projections.

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 has begun editing the highway network on the 3722 TAZ system using the newly developed GIS-based editing application now known as the TPBMAN. The application and associated geodatabase has been in development for over two years. This activity marks the first time that the system has been put into production. Staff intends to produce highway and transit networks for the calibration year (2007) of the Version 2.3 model. Staff will provide first-cut paper maps of the highway network over the 3722 TAZ system for TPB-member agencies to review at the next January Travel Forecasting Subcommittee meeting.

Because the highway network alignment accuracy in the geodatabase is much more precise as compared to the TPB's legacy networks, the screen lines (i.e., reference lines upon which modeling results are summarized) were reviewed to ensure that screen line delineations were consistent with the new alignments. Screenline delineations over the highway network were analyzed and adjusted as deemed necessary.

Staff continued work on the updating base year (2009) transit networks using the latest route schedules solicited from 24 local transit providers in the Washington region. The updated transit network files will support the air quality conformity assessment of the 2010 CLRP and FY 2011-2016 TIP.

B. GIS Technical Support.

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

Staff continued to assist the network development team in preparing the regional highway and transit network databases for loading into the Master Highway and Transit Network editing application.

Staff configured and implemented the multi-user capability for the Master Highway and Transit Network editing application.

Staff continued the mapping of attribute data from multiple sources for the USGS Regional Landmark and Transportation project.

Staff began the update of the roads and highway transportation layer in the spatial data library with additional attribute data from the NAVTEQ database.

The GIS Committee met on December 14<sup>th</sup> to discuss the Integrated Centerline project, the MD PSIC Project, the UASI GIS Data Exchange project, and local jurisdiction access to Pictometry Data through a GIS Committee data sharing agreement.

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

For the Version 2.3 travel model development on the 3722 zone system, models development staff received the latest cleaned version of the 2007/08 HTS survey files (household, person, vehicle, and trip) on December 28. Staff developed tabulations on the latest survey files to verify that the recommended corrections suggested previously had been made to the survey files.

Staff performed error checking and data cleaning on the 2007 Air Passenger Survey data files, which identified a few areas where the data files needed corrections. These corrections have been made and a memorandum documenting the final data files is being prepared. Updates to the air passenger trip inputs to the travel model using the 2007 survey is now underway.

In December the TPB staff met with Cambridge (CS) to develop a scope of work and estimated budget for tasks related to demand model improvements. The work scope will be reviewed and finalized in January.

On December 3, TPB staff participated in a conference call regarding the AMPO study of advanced models, specifically the Task 1 deliverable (i.e., a report identifying MPO experiences with advanced travel models that would be of interest to other practitioners). The study participants agreed that the report

required more detail. TPB staff agreed to formulate a follow-up survey as a means of gaining more detailed information.

D. Software Support

Staff prepared a draft memorandum on usage of the newly acquired N drive, outlining the procedures for file storage and data-handling.

Staff continued work activities to implement the new GIS database twork development application and to research methods appropriate for HOT lane toll setting in order to reduce processing time.

5. TRAVEL MONITORING

A. Cordon Counts

Staff developed an approach for data collection for performing the 2010 Regional HOV Cordon Count project. The proposed approach recommends changes from previous efforts, including reducing the number of counting stations and performing counts at other stations on multiple days. This approach was documented in a memorandum prepared for the Travel Forecasting Subcommittee, which will be presented to the Subcommittee at its January meeting.

B. Congestion Monitoring and Analysis

Staff completed arterial travel time data collection on all the Maryland routes and 30 of the Virginia routes, but data collection was suspended during the later part of December due to the holiday season. Staff performed quality control checks on the data collected.

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 made a few minor changes to the household, vehicle, and trip survey files to address coding problems for approximately 30 records in the vehicle file and 20 records in the trip file that were identified by consistency checks ran by the members of the models development team.

Staff made some adjustments to the household size adjustment factors for Baltimore Metropolitan Council (BMC) household, vehicle, person, and trip records in the combined Household Travel Survey for the Washington and Baltimore metropolitan regions.

D. Regional Transportation Data Clearinghouse

Staff continued the factoring of the supplemental traffic counts for DC to Average Annual Daily Traffic (AADT) and Average Annual Week Day Traffic (AAWDT) volumes.

Staff continued the loading of DC hourly traffic volumes to the Regional Transportation Data Clearinghouse database.

Staff reviewed the development of work plan for recommended enhancements to the Regional Transportation Clearinghouse in the second half FY 2010 and in FY 2011.

6. **TECHNICAL ASSISTANCE**

A. **DISTRICT OF COLUMBIA**

1. Program Development, Data Requests & Miscellaneous Services

The program manager reviewed final status of the projects in the technical assistance program.

2. FY10 DDOT Traffic Counts

Staff continued the review of CY 2009 traffic counts and associated documentation received from the project contractor.

3. Bicycle Counts

No work activity to report during this reporting 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 6.D.3.

5. DC WARD 6 Ballpark

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

No activity to report during this reporting period.

7. Unprogrammed

No work activity specified.

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

No activity to report during this 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 initiation and execution of FY2010 work program activities.

2. Miscellaneous Services

No activity to report during this reporting period.

3. MDOT Training / Technical Support

Staff reviewed documentation report, 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

Staff coded networks and executed travel demand modeling work for the 2005 Validation in the I-270 Study. Upon completion of travel demand work, staff executed quality-assurance programs and shared the preliminary results with MD SHA. Staff began coding the networks for the 2030 No Build alternative and comprised a draft memorandum on toll-modeling approach for the upcoming build alternatives.

On a different track, staff researched the viability of using a "post-processor" assignment approach and began coordination with MD SHA and Frederick County in regards to obtaining land use data for smaller zones in Frederick County.

Staff also coordinated initial development of input assumptions with MD SHA and MTA and their consultants.

5. MTA-Corridor Cities Transit way / Purple Line Transit  
No activity to report during this reporting period.
6. Project Planning / Feasibility Studies  
Staff continued work to review past alternatives analyses and technical methods applied in Maryland corridor studies to identify “best” and consistent technical methods for future project planning work.
7. Managed Lanes-Planning  
Having now completed all travel modeling work, staff proceeded with work To document the results of the study.
8. Traffic Impacts  
No activity to report for during this reporting period.
9. Project Evaluation  
No activity to report during this reporting period.
10. Statewide Travel Demand Model  
Staff reviewed the SHA’s report on model validation approach and composed a draft memorandum with comments.
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 continued analysis 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. Kickoff meetings were held for two projects held in December. The final one for this round will be held in January.
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 this reporting period.

### 2. Miscellaneous Services

No activity to report during this reporting period.

### 3. Northern Virginia HOV Facilities Monitoring and Data Collection

At the request of DVOT staff, additional travel time runs were performed in the I-66 corridor in early December in the vicinity of Tysons Corner. These runs were in addition to those performed in earlier in the fall to complete the fall travel time and traffic count program for VDOT.

Staff continued processing travel time and traffic count data during December. It is anticipated that processing of all data will be completed in January.

Travel time data collected in early December along the I-66 corridor was delivered to VDOT in December. The remaining travel time and traffic count data collected during the fall will be delivered to VDOT in January.

### 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 6.D.3.

## D. **WMATA**

### 1. Program Development

The program manager reviewed the projects in the technical assistance program.

### 2. Miscellaneous Services

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

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

During the month of December, the consultant team began drafting the final study report. WMATA requested that the consultant contract be extended to June 30, 2010 and that the budget be increased by \$25,000 to complete the project.

### 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

Data entry for completed survey questionnaires was completed in December. Staff began reviewing the completed raw database to prepare for the processing and analyzing the survey data, which will occur as part of the next phase of the air passenger survey project. 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.

### B. Process 2009 Air Passenger Survey

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 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; and reviewed travel monitoring data along key airport ground access routes as part of the demand analysis. These analyses will be incorporated into a draft Ground Access Element Update, which will be presented to the Aviation Technical Subcommittee as a preliminary draft during its January meeting.

D. Ground Access Travel Time Study

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

E. Other CASP Activities

No activity to report during this reporting period.

8. **SERVICES/SPECIAL PROJECTS**

A. DDOT Commercial Curbside Loading Zone Data Collection

All data collected for this project was processed and entered into an appropriate database format for DDOT. All data, including corresponding loading zone images, were submitted by DDOT in December. It was later discovered that several of the images had faulty GPS coordinates associated with them. As a result, staff will correct this discrepancy and provided replacement images to DDOT in January.

**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 DECEMBER 30, 2009**

|   | BUDGET<br>TOTAL     | FUNDS<br>EXPENDED   | % FUNDS<br>EXPENDED |
|---|---------------------|---------------------|---------------------|
| <b>1. PLAN SUPPORT</b>                                |                     |                     |                     |
| A. Unified Planning Work Program (UPWP)               | 70,700.00           | 40,641.28           | 57%                 |
| B. Transportation Improvement Program (TIP)           | 151,700.00          | 66,602.40           | 44%                 |
| C. Constrained Long-Range Plan                        | 638,400.00          | 262,155.66          | 41%                 |
| D. Financial Plan                                     | 134,000.00          | 46,244.65           | 35%                 |
| E. Public Participation                               | 343,900.00          | 218,217.18          | 63%                 |
| F. Private Enterprise Participation                   | 18,300.00           | 6,903.32            | 38%                 |
| G. Annual Report                                      | 80,100.00           | 16,588.63           | 21%                 |
| H. Transportation / Land Use Connection Program       | 465,000.00          | 103,076.51          | 22%                 |
| I. DTP Management                                     | 452,100.00          | 196,031.30          | 43%                 |
| <b>SUBTOTAL</b>                                       | <b>2,354,200.00</b> | <b>956,460.93</b>   | <b>41%</b>          |
| <b>2. COORDINATION PLANNING</b>                       |                     |                     |                     |
| A. Congestion Management Process (CMP)                | 155,000.00          | 84,152.12           | 54%                 |
| B. Management, Operations & ITS Planning              | 390,300.00          | 203,799.71          | 52%                 |
| C. Emergency Preparedness Planning                    | 75,400.00           | 28,681.45           | 38%                 |
| D. Transportation Safety Planning                     | 100,000.00          | 26,656.12           | 27%                 |
| E. Bicycle and Pedestrian Program                     | 108,700.00          | 35,925.68           | 33%                 |
| F. Regional Bus Planning                              | 100,000.00          | 47,814.80           | 48%                 |
| G. Human Service Transportation Coordination Planning | 114,800.00          | 42,083.64           | 37%                 |
| H. Freight Planning                                   | 130,000.00          | 63,458.94           | 49%                 |
| <b>SUBTOTAL</b>                                       | <b>1,174,200.00</b> | <b>532,572.46</b>   | <b>45%</b>          |
| <b>3. FORECASTING APPLICATIONS</b>                    |                     |                     |                     |
| A. Air Quality Conformity                             | 563,200.00          | 235,802.85          | 42%                 |
| B. Mobile Emissions Analysis                          | 640,100.00          | 364,660.05          | 57%                 |
| C. Regional Studies                                   | 315,800.00          | 167,924.94          | 53%                 |
| D. Coord. Cooperative Forecasting & Trans Planning    | 726,800.00          | 282,571.49          | 39%                 |
| <b>SUBTOTAL</b>                                       | <b>2,245,900.00</b> | <b>1,050,959.32</b> | <b>47%</b>          |
| <b>4. DEVELOPMENT OF NETWORKS AND MODELS</b>          |                     |                     |                     |
| A. Networks Development                               | 769,700.00          | 302,873.44          | 39%                 |
| B. GIS Technical Support                              | 548,800.00          | 258,022.69          | 47%                 |
| C. Models Development                                 | 1,221,200.00        | 474,512.65          | 39%                 |
| D. Software Support                                   | 178,900.00          | 41,012.28           | 23%                 |
| <b>SUBTOTAL</b>                                       | <b>2,718,600.00</b> | <b>1,076,421.06</b> | <b>40%</b>          |

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

|  | BUDGET<br>TOTAL      | FUNDS<br>EXPENDED   | % FUNDS<br>EXPENDED |
|--|----------------------|---------------------|---------------------|
| <b>5. TRAVEL MONITORING</b>                              |                      |                     |                     |
| A. Cordon Counts   | 437,750.00           | 49,154.38           | 11%                 |
| B. Congestion Monitoring and Analysis                    | 525,000.00           | 168,571.25          | 32%                 |
| C. Travel Survey and Analysis<br>Household Travel Survey | 410,000.00           | 231,894.25          | 57%                 |
| D. Regional Transportation Clearinghouse                 | 267,900.00           | 73,867.25           | 28%                 |
| <b>SUBTOTAL</b>  | <b>1,640,650.00</b>  | <b>523,487.13</b>   | <b>32%</b>          |
| <b>SUBTOTAL CORE PROGRAM ITEMS 1-5</b>                   |                      |                     |                     |
|  | <b>10,133,550.00</b> | <b>4,139,900.90</b> | <b>41%</b>          |
| <b>6. TECHNICAL ASSISTANCE</b>                           |                      |                     |                     |
| A. District of Columbia                                  | 422,050.00           | 110,952.76          | 26%                 |
| B. Maryland  | 820,200.00           | 242,773.32          | 30%                 |
| C. Virginia  | 529,800.00           | 230,892.38          | 44%                 |
| D. WMATA   | 202,099.00           | 110,836.60          | 55%                 |
| <b>SUBTOTAL</b>  | <b>1,974,149.00</b>  | <b>695,455.07</b>   |                     |
| <b>TPB GRAND TOTAL</b>                                   | <b>12,107,699.00</b> | <b>4,835,355.97</b> | <b>40%</b>          |

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

1/28/2010

|   | COST<br>CODES | TOTAL            |                   | TOTAL          |                   | FTASTA/LOC           |                   | PL FUNDS/LOC         |              |
|---|---------------|------------------|-------------------|----------------|-------------------|----------------------|-------------------|----------------------|--------------|
|   |               | BUDGET           | EXPENDITURES      | BUDGET         | EXPENDITURES      | AUTHORIZED<br>BUDGET | EXPENDITURES      | AUTHORIZED<br>BUDGET | EXPENDITURES |
| <b>A. District of Columbia</b>                                      |               |                  |                   |                |                   |                      |                   |                      |              |
| 1. Program Development, Data Requests & Misc. Services              | 040           | 17,500           | 17,045.71         | 1,574          | 1,533.36          | 15,926               | 15,512.35         |                      |              |
| 2. DDOT Traffic Counts  | 041           | 150,000          | 16,284.34         | 13,493         | 1,464.87          | 136,507              | 14,819.47         |                      |              |
| 3. Bicycle Counts   | 042           | 70,000           | 1,045.56          | 6,297          | 94.05             | 63,703               | 951.51            |                      |              |
| 4. Phase II - Evaluation of the Metrobus Priority Corridor Network  | 043           | 33,000           | 31,867.00         | 2,969          | 2,866.62          | 30,031               | 29,000.38         |                      |              |
| 5. DC Ward 6 Ballpark   | 044           | 55,800           | 11,703.47         | 5,020          | 1,052.80          | 50,780               | 10,650.68         |                      |              |
| 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           | 31,825.86         | 2,879          | 2,863.33          | 29,121               | 28,962.53         |                      |              |
| <b>SUBTOTAL</b>   |               | <b>422,050</b>   | <b>110,952.76</b> | <b>37,966</b>  | <b>9,981.25</b>   | <b>384,084</b>       | <b>100,971.51</b> |                      |              |
| <b>B. Maryland</b>  |               |                  |                   |                |                   |                      |                   |                      |              |
| 1. Program Development/Management                                   | 060           | 25,000           | 10,632.32         | 2,249          | 956.44            | 22,751               | 9,675.88          |                      |              |
| 2. Miscellaneous Services   | 061           | 24,200           | 0.00              | 2,177          | 0.00              | 22,023               | 0.00              |                      |              |
| 3. MDT Training /Technical Support                                  | 062           | 25,000           | 3,764.11          | 2,249          | 338.60            | 22,751               | 3,425.51          |                      |              |
| 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           | 31,882.16         | 3,598          | 2,867.99          | 36,402               | 29,014.18         |                      |              |
| 6. Project Planning / Feasibility Studies                           | 065           | 132,000          | 6,268.72          | 11,874         | 563.91            | 120,126              | 5,704.81          |                      |              |
| 7. Managed Lanes-Planning   | 066           | 135,000          | 125,647.18        | 12,144         | 11,302.70         | 122,856              | 114,344.47        |                      |              |
| 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           | 17,212.47         | 3,148          | 1,548.36          | 31,852               | 15,664.11         |                      |              |
| 11. Development/Refinement of Technical Methods                     | 070           | 50,000           | 13,240.02         | 4,498          | 1,191.02          | 45,502               | 12,049.00         |                      |              |
| 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           | 30,879.60         | 2,969          | 2,777.80          | 30,031               | 28,101.80         |                      |              |
| <b>SUBTOTAL</b>   |               | <b>820,200</b>   | <b>242,773.32</b> | <b>73,782</b>  | <b>21,838.89</b>  | <b>746,418</b>       | <b>220,934.43</b> |                      |              |
| <b>C. Virginia</b>  |               |                  |                   |                |                   |                      |                   |                      |              |
| 1. Program Development  | 080           | 8,000            | 1,903.27          | 720            | 171.21            | 7,280                | 1,732.06          |                      |              |
| 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          | 200,103.15        | 28,336         | 18,000.46         | 286,664              | 182,102.69        |                      |              |
| 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           | 28,578.57         | 2,969          | 2,570.81          | 30,031               | 26,007.76         |                      |              |
| <b>SUBTOTAL</b>   |               | <b>529,800</b>   | <b>230,892.38</b> | <b>47,659</b>  | <b>20,770.13</b>  | <b>482,141</b>       | <b>210,122.26</b> |                      |              |
| <b>D. WMATA</b>   |               |                  |                   |                |                   |                      |                   |                      |              |
| 1. Program Development  | 100           | 10,000           | 1,844.42          | 10,000         | 1,844.42          | 0                    | 0.00              |                      |              |
| 2. Miscellaneous Services   | 101           | 24,099           | 8,992.18          | 24,099         | 8,992.18          | 0                    | 0.00              |                      |              |
| 3. Phase II - Evaluation of the Metrobus Priority Corridor Network  | 102           | 100,000          | 100,000.00        | 100,000        | 100,000.00        | 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              |                      |              |
| <b>SUBTOTAL</b>   |               | <b>202,099</b>   | <b>110,836.60</b> | <b>202,099</b> | <b>110,836.60</b> | <b>0</b>             | <b>0.00</b>       |                      |              |
| <b>GRAND TOTAL</b>  |               | <b>1,974,149</b> | <b>695,455.07</b> | <b>361,505</b> | <b>163,426.87</b> | <b>1,612,644</b>     | <b>532,028.20</b> |                      |              |