

FY 2012

**NATIONAL CAPITAL REGION
TRANSPORTATION PLANNING BOARD (TPB)
WORK PROGRAM PROGRESS REPORT
DECEMBER 2011**

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

Work continued monitoring the FY 2012 UPWP which began on July 1, 2011. At the December 2 meeting, the TPB Steering Committee amended the UPWP to fund a regional BRAC and Federal Employment Consolidation Impact study.

B. Transportation Improvement Program (TIP)

At their December 2, 2011 meeting, the TPB Steering Committee approved four amendments to the FY 2011-2016 TIP. The first amendment was requested by the Eastern Federal Lands Division of the Federal Highway Administration to include funding for two road and two bridge rehabilitation projects and for the construction of a new bridge from Boundary Channel Drive in Virginia to the Columbia Island Marina parking lot in the District of Columbia. The second amendment, requested by the District Department of Transportation (DDOT), was to include additional funding for the replacement and reconfiguration of the 11th Street Bridges. The third amendment was requested by the Maryland Department of Transportation (MDOT) to include funding for four area-wide category projects, the I-95/I-495 Branch Avenue Metro Access Project in Prince George's County and a new bridge over the Monocacy River in Frederick County.

C. Constrained Long-Range Plan (CLRP)

During the month of December, TPB staff continued to work on and refine performance measures pertaining to the 2010 Update to the CLRP. Staff also finalized and published the summary document for the 2010 CLRP.

Staff also prepared the final major project maps for the 2011 Update to the CLRP and updated the documentation on the CLRP website. The website was archived on to a CD and delivered to representatives from the Federal Highway Administration and Federal Transit Administration.

The deadline for submitting new projects for inclusion in the 2012 Update to the CLRP was December 16. TPB Staff assisted staff from member agencies with their data entry and project submission. TPB staff reviewed project submissions and began developing materials to be reviewed at the January meeting of the Technical Committee.

D. Financial Plan

The financial summaries in the FY 2011-2016 TIP are reviewed and updated as amendments are approved.

E. Public Participation

The CAC meeting on December 15 meeting included a discussion of a planned web clearinghouse on transportation planning activities throughout the region, a briefing on the TPB's triennial aerial congestion survey and an update on the development of the TPB priorities plan.

Staff worked on the development of a new web-based publication, called the TPB Weekly Report, which will provide short stories on regional transportation issues.

Staff developed a broad strategy for public participation activities linked to the Regional Transportation Priorities Plan. These activities will include listening sessions and focus groups during the second half of FY2012, which will focus on performance measures for the Priorities Plan.

Access for All Advisory Committee

No work activity during the reporting period.

F. Private Enterprise Participation

During the month of December, staff prepared for a meeting of the Regional Taxicab Regulators Task Force which meets quarterly. Staff worked with the chair to finalize the agenda, and worked with the Task Force to identify a chair for 2012. At the December meeting, the Task Force discussed current regulations and reciprocity that allow for limited taxi reciprocity between jurisdictions in the region.

G. Annual Report

The December TPB News was produced and distributed.

H. Transportation / Land Use Connection Program (TLC)

Work on all eight TLC projects proceeded during December. These activities included one kickoff meeting, several stakeholder sessions, a planning charrette and a variety of data analysis activities.

I. DTP Management

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

- The DTP Director participated in a three-day conference on “critical data needs for decision making in state and metropolitan transportation agencies” sponsored by the Transportation Research Board at the Beckman Center in Irvine, California.
- The DTP Director and senior DTP staff participated in a first of two one-day workshops for the NCHRP 8-36 project on “integrating performance measures into a performance-based planning and programming process”, for which the Metropolitan Washington region is one the three pilot sites.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

National Capital Region Congestion Report:

- Staff finished the development of the beta version of the National Capital Region Congestion Report and presented it to the Management, Operations and Intelligent Transportation Systems (MOITS) Technical Subcommittee at its December 20 meeting.
- Staff discussed the candidate options for a soft lunch of the report on the COG/TPB website www.mwcog.org.

2012 CMP Technical Report:

- Staff kicked off the development of the 2012 CMP Technical Report at a meeting held on December 6 that outlined the main tasks of the development and assigned them among four staff.
- Staff started developing chapter 2 on State of Congestion.

Staff participated in the development of performance measures for the TPB Regional Transportation Priorities Plan and attended the December 13 workshop on NCHRP project 08-36, on Integrating Performance Measures into a Performance-Based Planning and Programming (PBPP) Process.

On December 6, staff monitored a webinar of Applying Analysis Tools in Planning for Operations offered by National Transportation Operations Coalition (NTOC) and FHWA. On December 8, staff monitored the I-95 Corridor Coalition Vehicle Probe Project webcast.

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

- The MOITS Technical Subcommittee met on December 20. A main focus of the meeting was a survey undertaken by staff on traffic signal power back-up systems in the region, in response to a recommendation from the October 26 COG Incident Management and Response (IMR) Action Plan. Staff prepared and conducted the survey of the region's traffic signal operations agencies during December. Staff also prepared for and conducted a meeting of the MOITS Traffic Signals Subcommittee, which also took place on December 20. The data analysis of the survey and a summary report was anticipated to be completed in the January/February time frame.
- The December 20 MOITS meeting also discussed the regional congestion report (see also Task 2.A.) and travel monitoring (see also Task 5.B.).
- Staff continued coordination with the *Multimodal Coordination for Bus Priority Hot Spots* study being undertaken through the Technical Assistance program of the UPWP, providing input to the consultant team.
- Staff continued coordinating MOITS activities with the Metropolitan Area Transportation Operations Coordination (MATOC) Program (see also Item 2.I.).

C. Transportation Emergency Preparedness Planning

The Regional Emergency Support Function #1 (RESF-1) Emergency Transportation Committee met by teleconference on December 16th. A focal point for RESF-1 was to discuss the Urban Area Security Initiative (UASI) Process for FY 2012. Staff helped in selecting UASI participants to represent RESF-1. The UASI FY 2012 process is different from years prior; priorities have been placed into 4 main goals per the recommendation of regional emergency management leadership, and the Committee considered how this impacts the RESF-1 topic area.

The Committee also discussed towing issues throughout the region during an emergency. Towing improvements were a recommendation of the October 26, 2011 COG Incident Management and Response report developed in response to the disruptive January 26, 2011 snow storm. The Committee requested that a subcommittee/working group look at towing issues and report back.

Staff provided support for preparation and follow-up to this meeting, to ongoing participation of RESF-1 representatives in the UASI process, and to ongoing emergency transportation planning/RESF-1 efforts.

D. Transportation Safety Planning

- The Bicycle and Pedestrian Subcommittee was briefed on December 22nd on the results of the scoping study for the regional crash data mining and visualization tool.

The Subcommittee was skeptical as to the need for a regional system, and whether the benefits would be worth the costs. Regional planning needs, such as for the Street Smart campaign, or identification of crash types near rails stations, might be adequately met by accessing the different State and local crash record systems.

Another concern was the need for the Departments of Transportation to provide data, and continue providing data, to maintain the system. For the system to be useful, all three Departments of Transportation would need to participate and provide data in a timely manner.

The Scoping Study will be presented, by the author, to the next meeting of the Regional Safety Subcommittee, which will take up some of these questions in deciding whether the region should move forward with the realization of such a system.

- Staff participated in the Intersection Safety work group for the Virginia Highway Safety Plan update via conference call on December 9th.
- Staff worked with the consultant and the advisory committee on December 1st and December 22nd to work on the concept for the 2012 ads for the Street Smart Pedestrian and Bicycle Safety Campaign. For Spring 2012 the advisory group recommended a more geographically targeted approach.

E. Bicycle and Pedestrian Planning

- Staff reviewed and discussed comments on the draft regional Complete Streets policy with individual Subcommittee members and members of the public and advocacy community.
- Staff made revisions to the draft policy in order to respond to concerns from staff of the DOT's regarding the appropriateness and timeliness of a regional policy, and potential conflicts with State policies.
- The Bicycle and Pedestrian Subcommittee met on December 22nd to discuss the revised draft policy. Based on the input received from VDOT, MDOT, and Montgomery County, the Subcommittee recommended that the regional Complete Streets document should be called something other than a policy, such as a guidance document. The Subcommittee further recommended that a stakeholder's workshop be held to engage people in addition to the Bicycle and Pedestrian Subcommittee members.

- Staff worked with Subcommittee members to update the list of top priority unfunded bicycle and pedestrian projects in the region.
- Staff worked with the consultant and the advisory committee on December 1st and December 22nd to develop the concept for the 2012 ads for the street Smart Pedestrian and Bicycle Safety Campaign. For Spring 2012 the advisory group recommended a more geographically targeted approach.

F. Regional Bus Planning

The regional subcommittee did not meet in December. TPB staff began analyzing bus projects data in preparation for further development of a regional priority bus project inventory. A meeting schedule for the upcoming year was finalized with the subcommittee chair and an initial outline of meeting topics formulated. Some study concepts for the UPWP FY 2013 were developed and circulated.

Staff also participated in an NCHRP workshop on Performance Measurement for Bus Priority Corridors in the Maryland Suburban region. Staff from MDOT, SHA, WMATA, Montgomery and Prince George's Counties met with the consultants for this study to discuss the challenges and opportunities to combine multiple data sources from across the region to develop a plan for multi-modal evaluation and prioritization of projects on bus corridors. TPB staff facilitated the agenda and logistics for this meeting, as well as presenting and discussing regional transportation data.

G. Human Service Transportation Coordination

Nelson/Nygaard, the consultant conducting an assessment of the TPB's Job Access Reverse Commute and New Freedom programs, continued work on the assessment. The Human Service Transportation Coordination Task Force has reviewed and commented on the draft report; and final report is expected by February 2012. Additional revisions and refinements to the draft report and to the project templates were made based on comments from Task Force members.

Staff prepared for the December 8 meeting of the Human Service Transportation Coordination Task Force. Staff prepared a breakout activity on potential priority projects for the 2012 solicitation. Staff revised the potential priority projects based on Task Force comments and released them for public comment. Also at the meeting, project templates on travel training and a low-interest auto loan program were presented for review and comment by the Task Force. The templates are being developed by Nelson/Nygaard as part of the assessment to provide tips on developing a program and an application for funding. Two additional templates on volunteer driver programs and rideshare/vanpool programs will be presented to the Task Force for review and feedback at a later date.

H. Freight Planning

- Staff briefed our new Chair for the 2012 TPB Freight Subcommittee.
- Staff coordinated TPB Freight Subcommittee agenda items for February and March 2012 meetings.
- The November/December (Winter) 2011 *Focus on Freight* e-newsletter was prepared and distributed.
- Staff also participated in the ongoing Regional Priorities Plan (RPP) work, including assistance in preparing PowerPoint and handout/mailout materials for the TPB Technical Committee (December 2, 2011) and TPB (December 21, 2011).

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

The Metropolitan Area Transportation Operations Coordination (MATOC) Program is an operational partnership of the region's major transportation agencies, funded outside the UPWP, but with planning support provided by TPB staff. In December 2011, staff finalized the contract with the University of Maryland under support from the Virginia Department of Transportation for FY 2012 MATOC activities.

Staff participated in the December 8 MATOC Operations Subcommittee and Information Systems Subcommittee meetings, and in a MATOC Steering Committee meeting on December 12. Staff also participated in a special December 12 MATOC workshop on coordination of transportation mobilization for snow events. Staff undertook extensive preparatory and follow-up activities for these meetings.

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

Staff developed a draft Scope of Work for the air quality conformity analysis of the 2012 CLRP & FY2013-2018 TIP for the public comment period, which will start in January. The scope was also mailed to the TPB Technical Committee in advance of its January monthly meeting.

After reviewing project inputs for the conformity analysis, staff began developing the highway and transit conformity tables by comparing the new inputs to those in last year's analysis in order to identify changes, and by communicating with state and local jurisdictions in order to clarify project details. Staff identified those projects which represent "significant changes" since the 2011 CLRP. In accordance with TPB consultation procedures, staff forwarded to the consultation agencies and public advisory committees the meeting agenda and

a summary memo regarding the monthly TPB meeting and air quality conformity consultation elements.

B. Mobile Emissions Analysis

SIP PM2.5 Emission Inventories Development: DTP staff, in coordination with DEP staff, continued to develop emission inventories for milestone years 2002, 2007, 2017 and 2015 analysis years using MOVES.

In December air quality staff performed the following:

- Coordinated with state air agency and DTP staff regarding revisions in the fuel program inputs for MOVES runs.
- Provided DTP staff fuel, I/M program and meteorology inputs for all jurisdictions under analysis for all milestone years.
- Reviewed MOVES run specs and input and output databases provided by DTP staff for all jurisdictions under analysis for the 2002 and 2007 milestone years. Staff prepared emissions inventories using MOVES by county and vehicle class, as required by EPA and also reviewed and concurred with the emissions inventories developed by DTP staff by county and emissions process.
- Kept up to date with MARAMA MOVES modeling activities as part of the photochemical modeling exercise for the new ozone and fine particle standards. Staff also attended the TPB and TPB-Tech meetings and continued to respond to emissions related data requests from state air agencies and DOTs.

C. Regional Studies

Regional Transportation Priorities Plan

Work continued on the development of performance measures for the Regional Transportation Priorities Plan (RTPP). Draft Interim Report 1 on an initial set of regional goals, performance measures, challenges and strategies was prepared. The public involvement methods to obtain public feedback and comment on the performance measures and strategies through June 2012 were identified. The draft report and public outreach activities were presented to the Technical Committee and TPB in December.

Work to update the CLRP Aspirations Scenario land use component for use with the Version 2.3 Travel Forecasting model was completed and is undergoing internal review.

Support for COG's Region Forward

TPB staff participated in discussions regarding the update of COG's Regional Activity Centers maps.

Prepare Grant Applications for US DOT Grant Funding Programs

At its December 15 meeting, the TPB was informed that its application for an FY 2011 TIGER grant for Multimodal Access Improvements for Rail Station Areas in the Washington Region was not successful. The TPB expressed support for the application project concept and requested the staff begin efforts to identify local project refinements and be prepared to submit the application for the next round. TPB staff will request a debriefing on the application and then coordinate with potential local project sponsors to develop a stronger application.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff responded to questions on the adopted Cooperative Forecasting Round 8.0A TAZ-level land activity forecasts.

Staff assisted the members Cooperative Forecasting Subcommittee in an initial review of jurisdictional Round 8.1 updates to the Cooperative Forecasts.

Staff contacted the Maryland Department of Labor, Licensing and Regulation (DLLR) to obtain access to ES-202 employment data for the Maryland members of the Cooperative Forecasting Subcommittee.

Staff contacted the Baltimore Metropolitan Council and the George Washington Regional Commission to obtain updated population and employment forecasts for the metropolitan Baltimore and Fredericksburg portions of the TPB modeled area.

Staff contacted planning staff at the Maryland Department of Planning, in Charles, Calvert, St. Mary's counties in Maryland, in Fauquier and Clarke counties in Virginia, and in Jefferson County in West Virginia, to obtain updated growth forecasts for these jurisdictions.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

Network development staff supported the creation of highway and transit networks to be used for State Implementation Plan (SIP) activities. This work included updates to the TPB's base year 2007 network as well as updates to forecast years.

Staff continued work on 2012 transit network maintenance updates to the TPB's existing networks. These updates will inform the 2012 CLRP networks for the next air quality conformity analysis.

The "cleaning" of the TPB staff's network multi-year geodatabase was completed and network documentation was updated accordingly. Staff also added functionality to the editing program to ensure that highway network links are correctly coded with jurisdiction codes. This will address isolated coding problems that were recently identified by staff during the course of model application work. The review of network documentation, addressing the 2011 CLRP networks remains in progress.

B. GIS Technical Support.

Staff continued to monitor and manage the operational performance of the ArcGIS server.

Staff worked with ESRI technical support staff to resolve a problem with the ArcGIS server configuration of the ArcGIS FLEX viewer.

Staff continued the collection and assembly of GIS parcel-level housing assessment data from local jurisdictions and the state of Maryland and began processing of the assessment data for Frederick, MD.

Staff coordinated with the consultant and local jurisdiction staff on the Geospatial Data Exchange Project and participated in the preparations for and the discussions at the December 20th GIS Committee meeting.

Staff attended the December MD MSGIC Executive Committee meeting to increase GIS coordination among COG and state and local government agencies in Maryland.

C. Models Development

TPB staff briefed the TPB Technical Committee on December 2 on the Version 2.3 Travel Model, which was formally approved for adoption by the TPB on November 16. The presentation covered the modeling features and forecasting trends produced by the model based on the most recent air quality conformity analysis of the 2011 CLRP.

Models development staff implemented minor updates to the newly adopted Version 2.3 Travel Model (build #38). The changes serve to produce additional reporting of outputs and do not affect modeled results. Staff also worked on finalizing the draft calibration report and draft user's guide, with the aim of having the final versions of the two documents ready for the January Travel Forecasting Subcommittee meeting. Staff also documented a new utility that should help set up and check model runs.

Staff met with Phil Shapiro, a consultant on retainer by COG, on December 7 to discuss ways in which the Version 2.3 model can be refined. Two themes were

discussed: 1) the use of aerial photography to refine area types developed in the model and 2) the investigation of local databases in order to improve the coverage of traffic counts in the regional transportation network. Staff anticipates working with Phil on these fronts during the spring of 2012.

AECOM, the consultant on retainer to assistance with the development and application of the TPB travel demand model, has advanced on two active task orders aimed at reducing model execution times, and improving the existing mode choice modeling process. A memorandum was transmitted from the consultant on December 1. The memorandum is under review.

On December 13, TPB staff received two draft reports from the consultant working on the Association of Metropolitan Planning Organization (AMPO) Study of Advanced Travel Modeling Study (Phase 2). TPB staff is reviewing the two draft reports and preparing a written response before the next teleconference of the Steering Committee, expected in early January.

On December 15, models development staff met with Colby Brown of Citilabs, Inc., who discussed some of the new features of Cube 6.0, including Cube Cloud Services, a method for running the model on remote hardware. This mode of execution offers opportunities for greatly reducing running times of the regional travel model.

D. Software Support

Staff coordinated work efforts with the Information, Technology and Facilities Management (ITFM) team in order to improve the performance of travel demand servers. Additional work has been performed to consolidate and free up additional storage on the servers. In addition, staff completed a number of sensitivity model sensitivity tests to assess the model response to capacity, toll and transit changes using the Version 2.3 travel demand model.

5. TRAVEL MONITORING

A. Regional BRAC and Federal Employment Consolidation Impact Analysis

Staff continued development of a draft scope of work on conducting BRAC-related traffic counts under this work item.

B. Congestion Monitoring and Analysis

Staff presented the findings of the 2011 aerial freeway congestion survey to the Transportation Planning board at its December meeting. Staff presented to the MOITS subcommittee two other products developed by SKYCOMP the aerial survey consultant: an interactive slide show on the aerial survey report and a Googlemap based photograph resource program of aerial photographs.

Staff also developed an outline of the future of the arterial highway congestion monitoring program and presented the outline to the MOITS subcommittee.

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

The consultant began the processing, editing and geocoding of the household, vehicle, person and trip survey data collected in the fall wave of the Geographically-focused Household Travel Survey.

Staff responded to several questions received from survey participants about the survey and responded to several data requests for the 2007-2008 Household Travel Survey data files.

D. Regional Transportation Data Clearinghouse

Staff continued development of the prototype for the new web-based user interface to Transportation Data Clearinghouse databases. Staff completed the development of the software widgets that will enable users to view Data Clearinghouse highway, transit, and zonal information on a map and to query and download that information.

Staff continued the update Regional Transportation Data Clearinghouse highway network databases with 2010 hourly count data received from DDOT, MDOT and VDOT.

6. TECHNICAL ASSISTANCE

A. DISTRICT OF COLUMBIA

1. Program Development, Data Requests & Miscellaneous Services

No work activity during the reporting period.

2. Traffic Counts

Staff reviewed additional 30 CY 2011 traffic counts submitted by the contractor, identified 3 count sites that needed to be recounted and gave a status report to the members of the DDOT HPMS Coordinating Committee.

Staff prepared the draft agenda for the December HPMS Coordinating Committee meeting, participated in this meeting and drafted the meeting minutes.

3. Bicycle Counts

Staff provided DDOT with the bicycle count data collected at the special bicycle count locations specified by DDOT.

4. Curbside Data Collection

Staff completed the development of the structured data collection plan for the Ward 6 Stadium.

5. Multimodal Coordination for Bus Priority Hot Spots

The contractor, Parsons Brinckerhoff Americas, Inc., completed their data analysis of bus operations and delivered a draft report for Task 2 – the identification of hot spot locations. This draft report will be reviewed with project owners and local jurisdictions in the coming year prior to field visits to verify the information.

6. Truck and Bus Restriction Sign Survey – Phase 1

Staff continued the collection of truck and bus restriction sign data.

B. MARYLAND

1. Program Development /Management

No work activity during the reporting period.

2. Project Planning Studies

In response to a request from MD SHA, using the networks database, staff have begun creating a 2010 validation network that will primarily serve for validation purposes for the Before-and-After ICC Study.

In response to a November MDOT request relating to upcoming transit planning work, staff compiled observed and estimated zonal trip files by purpose and submode. These data were also summarized at the jurisdiction-to-jurisdiction level and documented on December 9.

Models development staff responded to a request from MDOT for the adopted Version 2.3 travel model during December.

3. Feasibility/Special Studies

In response to a request from MD SHA pertaining to the Veirs Mill Road Study, staff prepared and transmitted the observed data for different modes. The data were formatted using a significant number of sources,

including the 2007 / 2008 Survey, Census data, and various on-board transit surveys.

In response to a request from MD SHA, staff has begun preparing a scope of work for the Veirs Mill Road and Georgia Avenue Studies. In preparation for the study, staff has evaluated the representation of the existing bus coverage in the TPB networks.

4. Transportation Performance Measures

No work activity during the reporting period.

5. Training/Miscellaneous Technical Support

No work activity during the reporting period.

6. Statewide Transportation Model Support

No work activity during the reporting period.

7. Transportation / Land Use Connections Program

As part of the Transportation/Land-Use Connections Program (1.H. above), four technical assistance projects in Maryland are being fully or partially funded under this PE number. See 1.H. above for further details about the TLC Program.

8. Multimodal Coordination for Bus Priority Hot Spots

The contractor, Parsons Brinckerhoff Americas, Inc., completed their data analysis of bus operations and delivered a draft report for Task 2 – the identification of hot spot locations. This draft report will be reviewed with project owners and local jurisdictions in the coming year prior to field visits to verify the information.

9. Other Tasks yet to be Defined

No work activity during the reporting period.

c. VIRGINIA

1. Program Development

Staff continued refinement of additional work scopes for technical assistance.

Northern Virginia HOV Facilities Monitoring and Data Collection

No work activity during the reporting period.

3. Travel Demand Modeling

Models development staff worked intensively on the Virginia TransAction 2040 study during December. This work involved rerunning the TransAction 2040 scenario that was previously prepared by Cambridge Systematics. The rerun was necessary to: 1) update the scenario over the latest 2011 CLRP network base and 2) to run the scenario using the final, and newly adopted, Version 2.3 model. Staff also executed several model output summary routines that were transmitted by CS to TPB staff. Staff plans to document this work and meet with CS to discuss the results of this analysis in early January.

4. Regional Survey – Analysis and Report

No work activity during the reporting period.

5. Travel Demand Management and Non-Motorized Travel

No work activity during the reporting period.

6. Regional and Sub-Regional Studies

Staff attended the I-66 Multimodal Study PARC meeting and reviewed the latest mobility options as well as the information and feedback from the study public meetings.

7. Other Tasks Yet to be Defined

No work activity during the reporting period.

8. Multimodal Coordination for Bus Priority Hot Spots

The contractor, Parsons Brinckerhoff Americas, Inc., completed their data analysis of bus operations and delivered a draft report for Task 2 – the identification of hot spot locations. This draft report will be reviewed with project owners and local jurisdictions in the coming year prior to field visits to verify the information.

D. WMATA

1. Program Development

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

2. Miscellaneous Services

No work activity during the reporting period.

3. Multimodal Coordination for Bus Priority Hot Spots

The contractor, Parsons Brinckerhoff Americas, Inc., completed their data analysis of bus operations and delivered a draft report for Task 2 – the identification of hot spot locations. This draft report will be reviewed with project owners and local jurisdictions in the coming year prior to field visits to verify the information.

4. Regional BRAC and Federal Employment Consolidation Impact Analysis

No work activity during the reporting period.

5. Metrorail Station Access Alternatives Study

A draft technical memo highlighting assumptions, the cost and benefit calculation process, and the results of cost-benefit calculations were prepared by the consultant in December, with delivery to and discussion with regional stakeholders scheduled for January. The period of performance of the contract was extended to accommodate this schedule change, with no financial impact.

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

A. Ground Access Travel Time Study – Phase 2

Staff incorporated subcommittee comments from the draft report into the final report.

B. Update Ground Access Forecast – Phase 2

Staff continued the assembling data for the Phase 2 update of the ground access forecasts.

C. Ground Access Element Update – Phase 1

No work activity during the reporting period.

D. Conduct 2011 Regional Air Passenger Survey

Staff completed all distribution and retrieval activities and began initial quality checks of questionnaires before data processing / keypunching.

E. Process 2011 Air Passenger Survey

Staff completed initial quality checks of questionnaires before keypunching.

8. **SERVICES/SPECIAL PROJECTS**

CONSULTANT SUPPORT

1. AECOM Technical Assistance – Travel Demand Model Development and Application - \$150,000.
2. Shapiro Transportation Consulting, LLC Travel Demand Model Applications and Related Technical Activity – 25,000.

**FY 2012 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE DECEMBER 31, 2011**

	BUDGET TOTAL	FUNDS EXPENDEI	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	51,571.67	73%
B. Transportation Improvement Program (TIP)	240,600.00	142,716.24	59%
C. Constrained Long-Range Plan	588,400.00	188,270.67	32%
D. Financial Plan	64,000.00	37,438.70	58%
E. Public Participation	471,900.00	171,837.06	36%
F. Private Enterprise Participation	18,300.00	830.99	5%
G. Annual Report	80,100.00	17,120.21	21%
H. Transportation / Land Use Connection Program	395,000.00	64,844.11	16%
I. DTP Management	452,100.00	196,927.17	44%
SUBTOTAL	2,381,100.00	871,556.82	37%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	205,000.00	83,845.76	41%
B. Management, Operations & ITS Planning	340,300.00	109,888.18	32%
C. Emergency Preparedness Planning	75,400.00	16,626.14	22%
D. Transportation Safety Planning	125,000.00	74,430.43	60%
E. Bicycle and Pedestrian Program	108,700.00	59,070.56	54%
F. Regional Bus Planning	100,000.00	42,028.62	42%
G. Human Service Transportation Coordination Planning	134,828.00	58,574.03	43%
H. Freight Planning	150,000.00	71,508.06	48%
I. MATCO Program Planning & Support	120,000.00	32,521.52	27%
SUBTOTAL	1,359,228.00	548,493.31	40%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	341,643.40	61%
B. Mobile Emissions Analysis	640,100.00	358,706.42	56%
C. Regional Studies	466,300.00	357,879.36	77%
D. Coord. Cooperative Forecasting & Trans Planning	806,800.00	352,402.42	44%
SUBTOTAL	2,476,400.00	1,410,631.60	57%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	337,904.21	44%
B. GIS Technical Support	548,800.00	201,427.17	37%
C. Models Development	1,076,176.00	445,014.24	41%
D. Software Support	178,900.00	102,932.91	58%
SUBTOTAL	2,573,576.00	1,087,278.52	42%
5. TRAVEL MONITORING			
A. Regional BRAC/Fed Consolidation Impact Analysis	250,800.00	16,309.29	7%
B. Congestion Monitoring and Analysis	350,000.00	185,282.48	53%
C. Travel Survey and Analysis			
Household Travel Survey	1,136,300.00	392,851.41	35%
D. Regional Transportation Clearinghouse	317,900.00	169,335.21	53%
SUBTOTAL	2,055,000.00	763,778.39	37%
SUBTOTAL CORE PROGRAM ITEMS 1-5	10,845,304.00	4,681,738.64	43%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	396,593.00	117,419.51	30%
B. Maryland	1,042,951.00	97,882.74	9%
C. Virginia	777,689.00	159,155.26	20%
D. WMATA	280,283.00	88,096.25	31%
SUBTOTAL	2,497,516.00	462,553.77	
TPB GRAND TOTAL	13,342,820.00	5,144,292.39	39%

**FY 2012 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
FY-TO-DATE DECEMBER 31, 2011
SUPPLEMENT 1**

	TOTAL		FTA/STA/LOC		PL FUNDS/LOC	
	AUTHORIZED BUDGET	TOTAL EXPENDITURES	AUTHORIZED BUDGET	EXPENDITURES	AUTHORIZED BUDGET	EXPENDITURES
A. District of Columbia						
1. Program Development, Data Requests & Misc. Services	65,593	4,046.34	6,900	426	58,693	3,620.68
2. Traffic Counts	200,000	47,113.16	21,039	4,956	178,961	42,157.08
3. Bicycle Counts	56,000	3,725.93	5,891	392	50,109	3,333.98
4. Curbside Data Collection	20,000	19,994.83	2,104	2,103	17,896	17,891.48
5. Multimodal Coordination For Bus Priority Hot spots	30,000	15,502.76	3,156	1,631	26,844	13,871.94
6. Truck and Bus Restriction Sign Survey-Phase 1	25,000	27,036.50	2,630	2,844	22,370	24,192.39
SUBTOTAL	396,593	117,419.51	41,720	12,352	354,873	105,067.55
B. Maryland						
1. Program Development/Management	30,000	9,047.65	3,156	952	26,844	8,095.88
2. Project Planning Studies	200,000	42,017.74	21,039	4,420	178,961	37,597.67
3. Feasibility/Specials Studies	200,000	16,734.32	21,039	1,760	178,961	14,973.95
4. Transportation Performance Measures	211,000	5,050.09	22,196	531	188,804	4,518.85
5. Training/Miscellaneous Technical Support	80,000	0.00	8,416	0	71,584	0.00
6. Statewide Transportation Model Support	80,000	25,032.94	8,416	2,633	71,584	22,399.60
7. Transportation/Land Use Connections Program	160,100	0.00	16,842	0	143,258	0.00
8. Multimodal Coordination for Bus Priority Hot Spots	30,000	0.00	3,156	0	26,844	0.00
9. Other Tasks yet to be defined	51,851	0.00	5,454	0	46,397	0.00
SUBTOTAL	1,042,951	97,882.74	109,713	10,297	933,238	87,585.95
C. Virginia						
1. Dat/Documentation processing	25,000	9,264.72	2,630	975	22,370	8,290.12
2. Northern Virginia HOV Facilities Monitoring and Data Collection	269,489	0.00	28,349	0	241,140	0.00
3. Travel demand Modeling	150,000	34,613.85	15,779	3,641	134,221	30,972.64
4. Regional Survey -Analysis and Report	75,000	23,780.91	7,890	2,502	67,110	21,279.28
5. Travel Demand Management and Non-Motorized Travel	75,000	70,450.15	7,890	7,411	67,110	63,039.13
6. Regional and Sub-regional Studies	128,200	21,045.63	13,486	2,214	114,714	18,831.73
7. Other Tasks to be Defined	25,000	0.00	2,630	0	22,370	0.00
8. Multimodal Coordination for Bus Priority Hot spots	30,000	0.00	3,156	0	26,844	0.00
SUBTOTAL	777,689	159,155.26	81,809	16,742	695,880	142,412.89
D. WMATA						
1. Program Development	10,783	2,081.28	10,783	2,081	0	0.00
2. Miscellaneous Services	8,500	0.00	8,500	0	0	0.00
3. Multi-Modal Coordination for Bus Priority Hot Spot	126,000	1,842.01	126,000	1,842	0	0.00
4. Bus Passenger Counts in Support of the 2012 Central Employment Area Cordon Count	50,000	0.00	50,000	0	0	0.00
5. Metrorail Station Access Alternatives Study	85,000	84,172.96	85,000	84,173	0	0.00
SUBTOTAL	280,283	88,096.25	280,283	88,096	0.00	0.00
GRAND TOTAL	2,497,518	462,553.75	513,525	127,487	1,983,991	335,066.39