

# **FY 2012**

**NATIONAL CAPITAL REGION  
TRANSPORTATION PLANNING BOARD (TPB)  
WORK PROGRAM PROGRESS REPORT  
APRIL 2012**

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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# PROGRAM HIGHLIGHTS

## 1. PLAN SUPPORT

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

On April 13<sup>th</sup> the FY 2013 UPWP was submitted to FTA and FHWA for review and approval. Work continued monitoring the FY 2012 UPWP which began on July 1, 2011

### B. Transportation Improvement Program (TIP)

At their April 6 meeting, the TPB Steering Committee approved two amendments to the FY 2011-2016 TIP. The first amendment, requested by the Virginia Department of Transportation (VDOT) included funding for the preliminary engineering phase of the northbound I-395 Auxiliary Lane project between Duke Street and Seminary Road. The second amendment was requested by the Maryland Department of Transportation to include funding for MARC preventative maintenance.

TPB staff processed a package of 31 administrative modifications to the FY 2011-2016 TIP as requested by DDOT.

Staff worked with member agencies as they submitted data ahead of the May 1 deadline for inputs to the Draft FY 2013-2018 TIP. Staff also developed additional text for the introduction of the new TIP document that describes TPB actions during the development of the TIP.

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

Staff continued work on the summary document for the 2012 CLRP.

### D. Financial Plan

The financial summaries in the FY 2011-2016 TIP are reviewed and updated as amendments are approved. In order to increase the transparency of financial planning and fiscal constrain, staff began preparing descriptions and data from the financial analysis for the 2010 CLRP to be incorporated into the CLRP web site.

### E. Public Participation

Staff began intensive preparations for a large focus group that will be held on June 2 to get input on the Regional Transportation Priorities Plan (RTPP). COG will contract will AmericaSpeaks to conduct this session. Staff began the

development of a discussion guide for this focus group that will outline key challenges and strategies.

Staff refined the work scope for the development of a new web-based clearinghouse of transportation planning activities conducted by the TPB's member jurisdictions throughout the region. COG has contracted with the firm 4Site for the development of the first phase of this site. 4Site developed the TLC website and has a strong working knowledge of the TPB and regional planning in general.

The CAC's meeting on April 12 included a briefing on the TPB's Household Travel Survey of seven specific geographic subareas and a discussion of topics and issues the CAC would like to focus on this year, including the Regional Transportation Priorities Plan (RTPP). At the end of the meeting, the CAC passed a resolution recommending that the TPB establish a working group to provide input on the RTPP.

#### Access for All Advisory Committee

During the month of April staff prepared for the Access for All Advisory Committee meeting originally scheduled for April 26. The meeting was rescheduled to May 3 by request of committee members who wanted to testify at the April 26 WMATA Board meeting on the Metro fare proposals. Staff invited a representative of the District Department of Transportation to present on the Red Top Disability Parking policy that was suspended due to D.C. Council concerns. Staff also invited the Brookings Institute to present on a Washington region transit access study underway. The study includes analysis of transit accessibility throughout the National Capital Region, and identifies variations in transit access across income groups and different geographic areas of the region.

#### F. Private Enterprise Participation

Due to conflicting events in the region, the May Annual Public Transit Forum was rescheduled to June 26. TPB staff made appropriate meeting preparations, and invited prospective speakers for the event.

#### Regional Taxicab Regulators Task Force

No work activity during the reporting period.

#### G. Annual Report

The April *TPB News* was produced and distributed.

TPB staff wrote and distributed four editions of the new web-based publication, the *TPB Weekly Report*.

The designer for the 2012 *Region* magazine provided a rough design of the publication.

#### H. Transportation / Land Use Connection Program (TLC)

Work on all eight TLC projects for FY2012 proceeded during April.

Staff reviewed abstracts that were submitted by eight potential applicants for the FY2013 round of technical assistance projects. The TPB issued a solicitation for that round of TLC projects on March 6. Staff provided comments on the abstracts in late April. The actual applications are due on May 16.

#### I. DTP Management

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

- The DTP Director gave a presentation to the Baltimore Metropolitan Planning Organization on the TPB's Aspirations Scenario Study.
- The DTP Director gave a presentation on TPB activities to the COG Board of Directors and to a joint meeting of the Frederick County Board of Commissioners and the City of Frederick Board of Aldermen.
- The DTP Director gave a presentation on transportation funding challenges as part of a regional forum on infrastructure financing sponsored by Our Nation's Capital.

## 2. COORDINATION PLANNING

### A. Congestion Management Process (CMP)

2012 CMP Technical Report:

- Staff continued developing chapter 2 of the report, State of Congestion, and completed the "Congestion on Freeways" and "Congestion on Arterials" sections.
- Staff developed new contents for Chapter 3 (Consideration and Implementation of Congestion Management Strategies) and finished the development of Chapter 4 (Studies of Congestion Management Strategies).

Staff continued work on the Intercounty Connector (ICC) Before and After study, using archived INRIX data to develop travel time reliability measures such as Planning Time Index for specified origin-destination pairs.

On April 18, staff monitored the I-95 Corridor Coalition Vehicle Probe Project team webcast. On April 19, staff participated in the second workshop of the NCHRP project 08-36, task 104: Integrating Performance Measures into a Performance-Based Planning and Programming Process at WMATA headquarters. On April 25, staff attended Maryland State Highway Administration Mobility/Economy Key Performance Area (KPA) Council meeting at Hanover, MD and made a presentation regarding the ICC Before and After study results (for the “Before” scenario using procured INRIX arterial data).

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

- Staff prepared for and supported the April 10, 2012 MOITS Technical Subcommittee meeting.
- A major focus of discussion at the April 10 MOITS meeting was the *Multimodal Coordination for Bus Priority Hot Spots* study being undertaken through the Technical Assistance program of the UPWP.
- Analysis continued regarding the topic of traffic signal power back-up systems. Staff compiled key information from member agencies on power back-ups along emergency routes, and began putting together summaries for review at the upcoming May 15 meeting of the Traffic Signals.
- Subcommittee. Work was anticipated to continue on this topic at least through the end of the fiscal year.
- Staff continued coordinating MOITS activities with the Regional Emergency Support Function #1 – Emergency Transportation Committee (see also Item 2.C), and the Metropolitan Area Transportation Operations Coordination (MATOC) Program (see also Item 2.I.).
- On April 4, staff participated in a National Transportation Operations Coalition webinar on benefit-cost analysis for operations.
- On April 10, staff participated in the monthly Virginia Department of Transportation Northern Virginia traffic signals coordination meeting in Fairfax.
- On April 25, staff participated in a Key Performance Area meeting of the Maryland State Highway Administration in Hanover.

C. Transportation Emergency Preparedness Planning

The Regional Emergency Support Function #1 (RESF-1) Emergency Transportation Committee met by conference call on April 20th. The committee received a briefing from RESF1 UASI representatives on the current status of

the Urban Area Security Initiative (UASI) FY 2012 results. The Committee proposed four projects, three of which were accepted for funding by the selection committee. The three projects that were accepted support ongoing efforts to strengthen the use of the Regional Integrated Transportation Information System (RITIS). RITIS is an automated data sharing, dissemination, and archiving system initially designed for use in the National Capital Region, it improves efforts in safety and security of the NCR by integrating existing transit data from DC, Maryland and Virginia.

The RITIS Operations & Maintenance project will focus on situational awareness for the region. The second project, RITIS Enhancement will look into identifying ways to leverage the tools we already have and build on them. Lastly, the Emergency, Weather, & Traffic Information to the Public project will coordinate RITIS with emergency management entities in order to provide the public with up to date information.

Staff assisted RESF-1 UASI participants in constructing a revised final proposal. Quarterly meeting attendance will be required of RESF1 UASI representatives to update the selection committee on the progress of these accepted projects.

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

D. Transportation Safety Planning

Staff compiled data for the next update of the Safety Element of the Constrained Long-Range Plan, and also reviewed work items for the next meeting of the Transportation Safety Subcommittee.

E. Bicycle and Pedestrian Planning

- Staff briefed the State Technical Working Group and the TPB Technical Committee on the draft regional Complete Streets policy. The document was restructured to include a policy statement, with an attached policy template and TIP project description form.
- The Complete Streets Policy was presented to the TPB on April 18<sup>th</sup> as an information item. Comments were largely favorable, but there were some suggestions for changes.
- At the request of the Director of Transportation Planning, staff prepared a presentation on the Health Benefits of Active Transportation for the May 8<sup>th</sup> “Striving for Sustainability” conference in Rockville, MD. The conference, sponsored by Kaiser Permanente, was intended to promote awareness among health professionals of healthy eating and lifestyles.

The purpose of the Active Transportation session at this conference was to teach public health professionals about the health benefits of walking and bicycling for transportation, and to make them aware of the resources available through the Commuter Connections program and other agencies to promote active transportation.

- On April 11, staff hosted a meeting of representatives from Arlington, the District of Columbia, Montgomery County, and Alexandria on a proposed inter-jurisdictional agreement to expand the current Capital Bikeshare program.

#### F. Regional Bus Planning

The TPB Regional Bus Subcommittee met in April. The main topic was a discussion of bus layover, staging, and parking needs and solutions for the region. Commuter bus representatives and the inner jurisdictions brainstormed on needs and options for tackling this regional issue. Other topics included a presentation by WMATA staff on their Regional Transit System Plan and an update by TPB staff of the Regional Priority Projects for Bus list.

TPB staff provided input to the NCHRP 8-36 study on Performance Measurement for Bus Priority Corridors in the Maryland Suburban region, a joint effort with participants from MDOT, SHA, WMATA, Montgomery and Prince George's Counties. A workshop was held on April 19, at which the relationship between transit and highway performance data was discussed, in the context of identifying and selecting multimodal transportation projects for implementation.

#### G. Human Service Transportation Coordination

During the month of April, staff provided technical assistance to organizations and agencies interested in applying for Job Access Reverse Commute (JARC) and New Freedom grants under the TPB's 2012 solicitation. Applications were due April 11. The application process was revised based on recommendations from the Assessment of the JARC and New Freedom projects and process.

Staff continued efforts to coordinate with WMATA and several D.C. agencies regarding taxi vouchers and increased use of taxis for paratransit trips in D.C as strategies to reduce the demand for MetroAccess and increase the number of wheelchair accessible cabs.

Staff also reviewed seven applications for Section 5310 funding that were submitted to the Maryland Transit Administration. 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 MTA.

#### H. Freight Planning

- Staff provided comment on a Transportation Land Use grant proposal related to goods movement in the District of Columbia.
- As a former I-95 Corridor Coalition Freight Academy participant, staff made a presentation on April 15 to new participants about their coming Capstone Project Assignment.
- Staff continued monitoring of the Senate and House transportation legislation with regards to freight, performance management, and metropolitan planning.
- The April/May 2012 *Focus on Freight* e-newsletter was prepared and distributed.

#### 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.

Staff participated in MATOC activities in April 2012, including the ad hoc task force on coordination of transportation mobilization for snow events on April 9; the MATOC Steering Committee on April 13; and the MATOC Information Systems and Roadway Operations Subcommittee joint meeting on April 26. Staff undertook extensive preparatory and follow-up activities for these meetings, in coordination with the MATOC staff from the University of Maryland Center for Advanced Transportation Technology.

### 3. **FORCASTING APPLICATIONS**

#### A. Air Quality Conformity

##### 2012 CLRP & FY2013-2018 TIP:

Staff continued highway and transit network coding to incorporate the 2012 CLRP project additions and updates into the GIS network database. Forecast year transit networks were built on a current service (as of December, 2011) network base. Staff completed travel demand model runs for the 2007, 2017, and 2020 analysis years including summaries of the results. Staff worked on network and off-line emissions forecasts for 2007 and 2017 and began developing tables and exhibits for the conformity report.

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

In April air quality staff performed the following:

- Staff completed reviewing Mobile6 input files prepared by DTP staff for developing the on road mobile emission rates and inventories for all jurisdictions of the Washington, DC-MD-VA PM2.5 and ozone NAAs and Carbon Monoxide maintenance areas for the 2012 CLRP & 2013-2018 TIP analysis. Specifically, staff reviewed Mob6 input files for the annual analysis for PM2.5-Pri and NOx, ozone season day analysis for VOC and NOx, and winter season day analysis for CO. While staff reviewed Mob6 input files for 2007/17/20/30/40 for annual and ozone season day analysis, staff reviewed Mob6 input files for 2017/20/30/40 for the winter CO analysis.
- Staff coordinated with state air agencies, state DOTs, and TPB staff to organize two conference calls to discuss various issues related to the mobile budgets for NOx and PM2.5-Pri for 2017 and 2025 for the PM2.5 redesignation request and maintenance plan effort for the 1997 annual PM2.5 standard.
- Staff downloaded the new MOVES model version (MOVES2010b), which was released by EPA in April and conducted preliminary test runs to evaluate its ability to replicate emissions outputs previously developed using MOVES2010a.
- Staff 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 started documenting the inputs/outputs for sensitivity tests associated with establishing safety margins as part of the overall effort of the PM2.5 SIP Redesignation and Maintenance Plan.
- As part of the inter-departmental consultation, DEP staff reviewed MOBILE6.2 input decks and forwarded comments and corrections to DTP staff. Emission rates based on the approved inputs were generated and processing of emission estimates for years 2007, 2017 and 2020 associated with the AQC analysis of the 2012 CLRP and the FY 2013-2018 TIP have been completed. Results are currently being reviewed.

In April, TPB staff responded to data requests from:

- Arlington County staff data request about Vehicle Identification Numbers (VINs) for the county, and

- MDEQ staff for 2011 VIN output for Maryland jurisdictions.

C. Regional Studies

Regional Transportation Priorities Plan

Work continued on the development of the Regional Transportation Priorities Plan (RTPP). The purpose of the RTPP is to identify those transportation strategies that offer the greatest potential contributions to achieving the TPB's goals for economic opportunity, transportation choices, system safety and efficiency, quality of life and environmental stewardship. It is anticipated that 10 to 15 strategies will be identified that the region can agree are the top priorities for meeting our shared goals and addressing regional challenges. Focus groups will be used to determine if proposed challenges and strategies are meaningful to people and if they can identify additional challenges or strategies that should be included.

In April, staff began preparing material describing regional challenges and strategies, and designing the focus group meeting structure and agenda. A pilot focus group with a sample of the general public will be conducted with support from America Speaks on June 2. Lessons from the focus group meeting will help in communicating with the broader public about regional challenges and garnering feedback on transportation priorities.

Support for COG's Region Forward

Staff attended a meeting of the COG Region Forward Coalition.

Prepare Grant Applications for USDOT Grant Funding Programs

No work activity during the reporting period.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff responded to technical questions on the development of the draft 8.1 Cooperative Forecasts.

Staff prepared maps and population data tables on the newly released Census Urbanized Area boundaries for jurisdictions in the TPB modeled area. Staff gave presentation on the new Urbanized Area boundaries to the Cooperative Forecasting and Data Subcommittee.

COG's General Counsel prepared recommended revisions to a draft data use agreement sent by 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 began assembly of data on new commercial construction in the metropolitan Washington region for the Commercial Construction Indicators report.

Staff continued discussions with the Region's Planning Directors on the process and criteria to be used followed in updating Regional Activity Centers for the 2010 to 2040 time horizon.

Staff responded to general questions on the adopted Round 8.0A and the draft 8.1 Cooperative Forecasts.

#### **4. DEVELOPMENT OF NETWORK / MODELS**

##### **A. Network Development**

Staff continued the transportation network development effort in support of the 2012 CLRP and 2013-18 TIP air quality conformity analysis. The network preparation and transportation modeling have been completed for the years 2017 and 2020. The remaining 2030 and 2040 networks and simulations are planned to be completed in May.

TPB staff preparation of the 2012 base year transit network base has also been ongoing during April. This work includes the review of schedules and transit line alignments in the regional network.

Testing of the newly added functionality of network geodatabase editor (COGTOOLS) has also continued during April. The added functionality includes the ability to export travel modeling inputs directly from the database.

Staff has requested digital federal functional classification maps from the state DOTs. These data have been received in April and will be used as a basis for checking the facility codes in the regional highway network, particularly the lower facility codes which are now included with the finer 3,722 zone system.

Staff has also begun preparing large plots of the highway network superimposed over the regional street base system as a means of better checking and refining centroids connectors and highway street linkages and connections. Large aerial photographs are also being plotted as well to facilitate this work.

##### **B. GIS Technical Support.**

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

Staff worked with ESRI technical support and successfully resolved a problem with the upgrade of ArcGIS server to Version 10. Staff also re-configured the ArcGIS server installation and user permissions.

Staff continued to work with ESRI to resolve a problem with the ArcGIS server configuration of the ArcGIS FLEX viewer.

Staff downloaded and processed the 2010 Census Urbanized Area boundaries for the TPB modeled area.

Staff installed a new version of the Bing Maps aerial imagery map service layer for use by departmental users.

Staff responded to data requests from TPB state and local member agencies and their consultants for Transportation Analysis Zones (TAZ), Aviation Analysis Zones (AAZ), COG Cooperative Forecasting and TPB regional transit network GIS shapefiles.

Staff participated in the discussions at the April 24<sup>th</sup> GIS Committee on the Governance Schedule for the regional Geospatial Data Exchange project and the establishment of a new Minimum Essential Dataset.

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

### C. Models Development

During April, staff implemented minor refinements to the TPB Version 2.3 Travel Model (build 38). The refined model will be used in the 2012 CLRP and 2013-18 TIP air quality conformity analysis. The refinements include: 1) modifying program three program scripts to increase the precision of trip matrix outputs from the default value of two decimal places to three decimal places, and 2) updating the program used to summarize transit assignments (LineSum). The refined model is referred to now as Version 2.3 build 39. The changes will serve to improve the internal consistency of trip totals throughout the model chain, which is a highly desirable goal of any travel model.

TPB staff continued research on highway assignment convergence testing. This work was summarized in a memorandum and was shared with Citilabs, Inc. (the software vendor). This work provided staff with several ideas on future model refinements regarding the existing highway assignment. A better understanding of convergence is relevant to the practical objective of reducing the computation times of the regional travel model and of producing reasonable results between alternatives.

TPB staff began the formulation of a multi-year traffic count database in preparation for a year-2010 validation of the travel model. This work is ongoing.

Staff also developed an equivalency table that equates Metrorail stations to the numbering systems of various recent WMATA surveys and includes the new station names that will be used on the new Metrorail map in June. A memo documenting this equivalency table is expected in May.

Ongoing consultant assistance project for the models development program has progressed during April. Two memos were delivered to TPB staff regarding the modeling non-resident transit travel (Task 6), which staff is currently reviewing. A third memo is expected in early May. Staff continues to work with AECOM staff to fix a couple bugs in the LineSum transit summary program.

TPB staff has spent a considerable time preparing a report that summarizes the staff response to six years of consultant recommendations relating to the TPB's travel modeling practice. Staff anticipates that the report will be finalized in time for the May Travel Forecasting Subcommittee meeting.

Staff was also actively involved with the Association of Metropolitan Planning Organization (AMPO) Study of Activity-Based Modeling Study during April. Resource Systems Group, Inc. (RSG) delivered a proposed Task 3 report to TPB staff and the other members of the steering committee. The report included two appendices documenting activity-based modeling work at two case-study MPOs. TPB staff reviewed the three documents, sent comments to the consultant, and had a conference call with the steering committee, the consultant, AMPO staff, and FHWA staff on April 26.

Models development staff responded to four data requests during April. Two of these requests were for the adopted travel model.

Members of the models development staff attended two Travel Model Improvement Program (TMIP) webinars on the subject of activity-based models, on April 5 and April 26.

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. Staff also prepared and documented data back-up procedures specific to the models applications team.

**5. TRAVEL MONITORING**

A. Regional BRAC and Federal Employment Consultation Impact Analysis

Staff continued coordination with officials at BRAC count sites to obtain existing data and arrange for new data collection.

B. Congestion Monitoring and Analysis

No work activity during the reporting period.

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

Staff presented some initial results from the fall 2011 wave of the Geographically-focused Household Travel Survey to the TPB Technical Committee.

The survey continued the recruitment and interviewing of households participating in the spring 2012 wave of the Geographically-focused Household Travel Survey. Survey interviewing of households occurred in seven focused geographical areas in the TPB Planning Region.

D. Regional Transportation Data Clearinghouse

Staff continued working on the production version the new web-based user interface for Transportation Data Clearinghouse databases.

Staff completed 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

Staff discussed with DDOT the proposed FY 2013 District of Columbia Technical Assistant project for incorporation into the FY 2013 UPWP. Staff conducted a data workshop for DDOT personnel on April 11<sup>th</sup>.

2. Traffic Counts

Staff continued processing of the CY 2011 traffic counts and gave a status report to the members of the DDOT HPMS Coordinating Committee.

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

Staff prepared and released the RFP for traffic counting assistance for FY13.

3. Bicycle Counts

No work activity during the reporting period.

4. Curbside Data Collection

No work activity during the reporting period.

5. Multimodal Coordination for Bus Priority Hot Spots

Findings from Task #3 - the field survey of hot spot locations, were presented to the TPB's MOITS subcommittee. The contractor was given the go-ahead on the six locations (2 each in DC, MD, and VA) for conducting Task #4 – the conceptual design and benefit-cost analysis of bus priority improvements. Task #4 will be conducted throughout the month of May, with an initial report due at the beginning of June. For final regional presentation of the study, a webinar is planned for June at which participants will be able to provide input and discuss the conclusions of the study.

6. Truck and Bus Restriction Sign Survey – Phase 1

Staff continued work on the survey and sign inventory by adding locations not covered in the initial transmittal to DDOT.

7. Motorcoach Counts

Staff completed data collection at the initial set of locations specified by DDOT and transmitted a draft technical memorandum to DDOT.

B. **MARYLAND**

1. Program Development /Management

No work activity during the reporting period.

2. Project Planning Studies

No work activity during the reporting period.

3. Feasibility/Special Studies

In response to a request from MD SHA, staff continued working on the Veirs Mill Road and Georgia Avenue multi-modal studies. In the first stage of the study, staff reviewed and revised transit and highway

network coding in the study area to reflect the appropriate level of sub-area study detail. In addition, staff have prepared input files specific to the study.

4. Transportation Performance Measures

Staff continued to perform the validation tasks by incorporating MD SHA suggestions and other improvements to better fit the validation model. Staff finished the validation tasks, and summarized the model outputs and coordinated internally on the findings. Afterwards, the results were delivered MDSHA.

While modeling the validation, networks and transit data were developed, which were required for 2040 No Build scenario as well as a grouping of towns and cities in the study area as travel markets to be used for a measure of effectiveness.

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.

For FY 2013, the Maryland Department of Transportation (MDOT) is expected to commit \$160,000 in funding for projects in Maryland. MDOT has expressed interest in funding projects that focus on Transit-Oriented Development, an ongoing goal within the state.

8. Multimodal Coordination for Bus Priority Hot Spots

Findings from Task #3 - the field survey of hot spot locations, were presented to the TPB's MOITS subcommittee. The contractor was given the go-ahead on the six locations (2 each in DC, MD, and VA) for conducting Task #4 – the conceptual design and benefit-cost analysis of bus priority improvements. Task #4 will be conducted throughout the month of May, with an initial report due at the beginning of June. For final regional presentation of the study, a webinar is planned for June at which participants will be able to provide input and discuss the conclusions of the study.

9. Other Tasks yet to be Defined

No work activity during the reporting period.

**c. VIRGINIA**

1. Program Development

Staff discussed the status of technical assistance tasks for the remainder of FY 12 and prepared the monthly progress report.

Northern Virginia HOV Facilities Monitoring and Data Collection

No work activity during the reporting period.

3. Travel Demand Modeling

Staff confirmed modeling procedures in response to a question from a VDOT consultant.

4. Regional Survey – Analysis and Report

Staff developed draft geographies for correspondence between the TPB TAZ system and the VDOT J/R/S system to determine HTS sample adequacy prior to beginning data tabulation.

5. Travel Demand Management and Non-Motorized Travel

No work activity during the reporting period.

6. Regional and Sub-Regional Studies

Staff attended the monthly I-66 Multimodal Study PARC meeting. Staff continued analysis of travel conditions and bus operations on I-66 inside the Beltway.

7. Other Tasks Yet to be Defined

No work activity during the reporting period.

8. Multimodal Coordination for Bus Priority Hot Spots

Findings from Task #3 - the field survey of hot spot locations, were presented to the TPB's MOITS subcommittee. The contractor was given the go-ahead on the six locations (2 each in DC, MD, and VA) for conducting Task #4 – the conceptual design and benefit-cost analysis of bus priority improvements. Task #4 will be conducted throughout the

month of May, with an initial report due at the beginning of June. For final regional presentation of the study, a webinar is planned for June at which participants will be able to provide input and discuss the conclusions of the study.

## 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

Findings from Task #3 - the field survey of hot spot locations, were presented to the TPB's MOITS subcommittee. The contractor was given the go-ahead on the six locations (2 each in DC, MD, and VA) for conducting Task #4 – the conceptual design and benefit-cost analysis of bus priority improvements. Task #4 will be conducted throughout the month of May, with an initial report due at the beginning of June. For final regional presentation of the study, a webinar is planned for June at which participants will be able to provide input and discuss the conclusions of the study.

### 4. Regional BRAC and Federal Employment Consolidation Impact Analysis

No work activity during the reporting period.

### 5. Metrorail Station Access Alternatives Study

TPB staff discussed final steps to complete the study with WMATA staff. WMATA submitted a request for a UPWP budget amendment to slightly increase the budget for the contract, which was approved at the April TPB Steering Committee meeting. The contractor will complete the final report by May 15.

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

#### A. Ground Access Travel Time Study – Phase 2

No work activity during the reporting period.

B. Update Ground Access Forecast – Phase 2

Staff continued assembling data for the Phase 2 update of the ground access forecasts. Staff presented information on recently completed CASP projects to the TPB Technical Committee on April 6<sup>th</sup>. Staff continued preparing the CASP 27 grant application.

C. Ground Access Element Update – Phase 1

No work activity during the reporting period.

D. Conduct 2011 Regional Air Passenger Survey

No work activity during the reporting period.

E. Process 2011 Air Passenger Survey

Staff began preparing the draft technical report for the 2011 survey.

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  
FINANCIAL STATUS OF TECHNICAL ASSISTANCE  
FY-TO-DATE April 30, 2012  
SUPPLEMENT 1**

	TOTAL AUTHORIZED BUDGET		TOTAL EXPENDITURES	FTA/STA/LOC AUTHORIZED BUDGET		FTA EXPENDITURES	PL FUNDS/LOC AUTHORIZED BUDGET		FHWA EXPENDITURES
	BUDGET	EXPENDITURES		BUDGET	BUDGET		BUDGET	BUDGET	
<b>A. District of Columbia</b>									
1. Program Development, Data Requests & Misc. Services	65,593	6,680.68	703	6,900			58,693		5,977.90
2. Traffic Counts	200,000	132,840.74	13,974	21,039			178,961		118,866.48
3. Bicycle Counts	56,000	3,725.93	392	5,891			50,109		3,333.97
4. Curbside Data Collection	20,000	19,994.83	2,103	2,104			17,896		17,891.47
5. Multimodal Coordination For Bus Priority Hot spots	30,000	30,000.00	3,156	3,156			26,844		26,844.13
6. Truck and Bus Restriction Sign Survey-Phase 1	25,000	36,925.75	3,884	2,630			22,370		33,041.32
<b>SUBTOTAL</b>	<b>396,593</b>	<b>230,167.93</b>	<b>24,213</b>	<b>41,720</b>		<b>24,213</b>	<b>354,873</b>		<b>205,955.28</b>
<b>B. Maryland</b>									
1. Program Development/Management	20,000	20,115.99	2,116	2,104			17,896		17,999.87
2. Project Planning Studies	140,000	108,239.21	11,386	14,727			125,273		96,852.92
3. Feasibility/Specials Studies	120,000	109,099.76	11,477	12,623			107,377		97,622.95
4. Transportation Performance Measures	151,000	77,820.85	8,186	15,885			135,115		69,634.44
5. Training/Miscellaneous Technical Support	0	0.00	0	0			0		0.00
6. Statewide Transportation Model Support	40,000	30,515.60	3,210	4,208			35,792		27,305.49
7. Transportation/Land Use Connections Program	160,100	51,249.07	5,391	16,842			143,258		45,857.89
8. Multimodal Coordination for Bus Priority Hot Spots	30,000	30,000.00	3,156	3,156			26,844		26,844.13
9. Other Tasks yet to be defined	1,851	0.00	0	195			1,656		0.00
<b>SUBTOTAL</b>	<b>662,951</b>	<b>427,040.48</b>	<b>44,923</b>	<b>69,740</b>		<b>44,923</b>	<b>593,211</b>		<b>382,117.70</b>
<b>C. Virginia</b>									
1. Data/Documentation processing	25,000	18,282.55	1,923	2,630			22,370		16,359.31
2. Northern Virginia HOV Facilities Monitoring and Data Collection	0	0.00	0	0			0		0.00
3. Travel demand Modeling	100,000	74,249.61	7,811	10,520			89,480		66,438.88
4. Regional Survey - Analysis and Report	75,000	31,620.09	3,326	7,890			67,110		28,293.80
5. Travel Demand Management and Non-Motorized Travel	75,000	75,431.56	7,935	7,890			67,110		67,496.49
6. Regional and Sub-regional Studies	128,200	41,149.12	4,329	13,486			114,714		36,820.42
7. Other Tasks to be Defined	0	0.00	0	0			0		0.00
8. Multimodal Coordination for Bus Priority Hot Spots	30,000	12,252.06	1,289	3,156			26,844		10,963.20
<b>SUBTOTAL</b>	<b>433,200</b>	<b>252,985.00</b>	<b>26,613</b>	<b>45,571</b>		<b>26,613</b>	<b>387,629</b>		<b>226,372.10</b>
<b>D. WMATA</b>									
1. Program Development	10,783	6,993.30	6,993	10,783			0		0.00
2. Miscellaneous Services	8,500	0.00	0	8,500			0		0.00
3. Multi-Modal Coordination for Bus Priority Hot Spot	126,000	7,709.46	7,709	126,000			0		0.00
4. Regional BRAC/Fed Consolidation Impact Analysis	50,000	0.00	0	50,000			0		0.00
5. Metrorail Station Access Alternatives Study	85,000	92,938.03	92,938	85,000			0		0.00
<b>SUBTOTAL</b>	<b>280,283</b>	<b>107,640.79</b>	<b>107,641</b>	<b>280,283</b>		<b>107,641</b>	<b>0.00</b>		<b>0.00</b>
<b>GRAND TOTAL</b>	<b>1,773,029</b>	<b>1,017,834.19</b>	<b>203,389</b>	<b>437,313</b>		<b>203,389</b>	<b>1,335,714</b>		<b>814,445.08</b>

**FY 2012 TRANSPORTATION PLANNING BOARD**  
**COG/TPB BUDGET EXPENDITURE SUMMARY**  
FY-TO-DATE April 30, 2012

	<b>BUDGET TOTAL</b>	<b>FUNDS EXPENDEI</b>	<b>% FUNDS EXPENDED</b>
<b>1. PLAN SUPPORT</b>			
A. Unified Planning Work Program (UPWP)	70,700.00	55,959.47	79%
B. Transportation Improvement Program (TIP)	240,600.00	218,424.02	91%
C. Constrained Long-Range Plan	588,400.00	340,679.44	58%
D. Financial Plan	64,000.00	46,820.48	73%
E. Public Participation	471,900.00	343,091.14	73%
F. Private Enterprise Participation	18,300.00	6,807.67	37%
G. Annual Report	80,100.00	48,445.90	60%
H. Transportation / Land Use Connection Program	395,000.00	227,554.47	58%
I. DTP Management	452,100.00	373,581.93	83%
<b>SUBTOTAL</b>	<b>2,381,100.00</b>	<b>1,661,364.51</b>	<b>70%</b>
<b>2. COORDINATION PLANNING</b>			
A. Congestion Management Process (CMP)	205,000.00	110,528.43	54%
B. Management, Operations & ITS Planning	340,300.00	196,678.81	58%
C. Emergency Preparedness Planning	75,400.00	30,400.92	40%
D. Transportation Safety Planning	125,000.00	97,184.96	78%
E. Bicycle and Pedestrian Program	108,700.00	102,259.94	94%
F. Regional Bus Planning	100,000.00	91,486.04	91%
G. Human Service Transportation Coordination Planning	134,828.00	106,366.05	79%
H. Freight Planning	150,000.00	117,411.27	78%
I. MATOC Program Planning & Support	120,000.00	119,011.21	99%
<b>SUBTOTAL</b>	<b>1,359,228.00</b>	<b>971,327.63</b>	<b>71%</b>
<b>3. FORECASTING APPLICATIONS</b>			
A. Air Quality Conformity	563,200.00	432,738.64	77%
B. Mobile Emissions Analysis	640,100.00	544,098.05	85%
C. Regional Studies	466,300.00	407,339.70	87%
D. Coord. Cooperative Forecasting & Trans Planning	806,800.00	595,949.02	74%
<b>SUBTOTAL</b>	<b>2,476,400.00</b>	<b>1,980,125.40</b>	<b>80%</b>
<b>4. DEVELOPMENT OF NETWORKS AND MODELS</b>			
A. Networks Development	769,700.00	563,652.13	73%
B. GIS Technical Support	548,800.00	385,498.82	70%
C. Models Development	1,076,176.00	758,592.31	70%
D. Software Support	178,900.00	132,722.09	74%
<b>SUBTOTAL</b>	<b>2,573,576.00</b>	<b>1,840,465.35</b>	<b>72%</b>
<b>5. TRAVEL MONITORING</b>			
A. Regional BRAC/Fed Consolidation Impact Analysis	250,800.00	115,700.47	46%
B. Congestion Monitoring and Analysis	350,000.00	271,957.21	78%
C. Travel Survey and Analysis			
Household Travel Survey	1,136,300.00	641,949.86	56%
D. Regional Transportation Clearinghouse	317,900.00	251,959.71	79%
<b>SUBTOTAL</b>	<b>2,055,000.00</b>	<b>1,281,567.25</b>	<b>62%</b>
<b>SUBTOTAL CORE PROGRAM ITEMS 1-5</b>	<b>10,845,304.00</b>	<b>7,734,850.14</b>	<b>71%</b>
<b>6. TECHNICAL ASSISTANCE</b>			
A. District of Columbia	396,593.00	251,694.19	63%
B. Maryland	662,951.00	427,040.48	64%
C. Virginia	433,200.00	252,985.00	58%
D. WMATA	280,283.00	107,640.79	38%
<b>SUBTOTAL</b>	<b>1,773,027.00</b>	<b>1,039,360.47</b>	
<b>TPB GRAND TOTAL</b>	<b>12,618,331.00</b>	<b>8,774,210.59</b>	<b>70%</b>