

# **FY 2014**

**National Capital Region  
Transportation Planning Board (TPB)**

**Work Program Progress Report  
January 2014**

## PROGRAM HIGHLIGHTS

### 1. PLAN SUPPORT

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

Work continued monitoring the activities under the FY 2014 UPWP began on July 1, 2013.

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

At its meeting on January 3, the TPB Steering Committee approved an amendment to the FY 2013-2018 TIP requested by the Virginia Department of Transportation to include funding for the Sycolin Road widening and Route 1 widening projects.

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

Staff continued to work with Technical Committee members and agency staff to develop the project submissions for the Air Quality Conformity Analysis of the 2014 CLRP and FY 2015-2020 TIP. This included developing a preliminary list of “major projects” to eventually be released for public comment.

#### D. Financial Plan

On January 21, WMATA, DDOT, MDOT and VDOT staffs met to review their agency’s progress in updating the financial analysis for the 2010 CLRP to support the 2014 CLRP. The WMATA draft capital and operating subsidy forecasts and the costs for Metro 2025 expansion program were reviewed in detail. Staff from each agency discussed how their revenues forecasts could fund the WMATA requests for state-of-good repair funding for the system and which are needed to remove the transit ridership constraint assumed in the 2010 analysis. A meeting is scheduled for February 21 to review in detail the WMATA forecasts and identify what funding commitments to WMATA Metro 2025 projects that would remove the transit ridership capacity constraint.

#### E. Public Participation

The 2013 CAC meeting held its last meeting on January 9, 2014. The meeting included a briefing on DDOT’s *moveDC* plan, an update on the Draft Regional Green Streets Policy, and an update on the Regional Transportation Priorities Plan.

Staff worked with the staff of the TPB officers to finalize the list of new members of the CAC. The TPB approved the new CAC members on January 15.

Staff began planning for the next session of the TPB's Community Leadership Institute, which has been scheduled for March 13 and 19. Recruitment for this session has focused on the staff of elected officials. This session was originally scheduled to take place last November.

Under the Public Participation PE number, staff performed some work related to the finalization of the Regional Transportation Priorities Plan (RTPP). However, most of the work on the RTPP in January was charged to "Regional Studies" (6400.14.0021), which is described below.

#### *Access for All Advisory Committee (AFA)*

The AFA met on January 30, 2014. The meeting included a presentation on Amtrak station accessibility by David J. Nelson, a presentation on WMATA's updated Language Access Plan (LAP), a presentation on the Regional Transportation Priorities Plan (RTPP) by TPB staff, and a roundtable discussion soliciting suggestions for future AFA meeting agenda items. Tim Lovain, from the City of Alexandria, took over as chairman of the committee and will serve in the position for the remainder of 2014.

#### F. Private Enterprise Participation

No work activity during the reporting period.

#### G. TPB Annual Report and TPB News

The January *TPB News* was produced and distributed.

Four editions (every Tuesday) of *The TPB Weekly Report* were produced and emailed during the reporting period.

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

All of the FY2014 TLC projects had been initiated by the end of January. Staff attended meetings around the region on the projects and monitored their progress. The projects will be completed by the end of the fiscal year.

For Transportation Alternatives Program (TAP) projects in Virginia, staff continued to review applications received in November for the FY2015 solicitation. For Maryland, staff worked with MDOT to set the schedule for the reissuance of the TAP solicitation for FY2014 to expend remaining funds.

I. DTP Management

Staff support was provided for the meetings of the TPB, the TPB Steering Committee and the TPB Technical Committee.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff continued development of and technical analysis for the 2014 CMP Technical Report:

Completed downloading the second quarter of 2013 Vehicle Probe Project (VPP) data from the I-95 Traffic Monitoring website.

Explored the feasibility of utilizing the VPP Suite developed by the University of Maryland for the 2014 CMP technical analysis.

Prepared a draft memorandum requesting the Council of Governments to sign a license agreement for accessing the National Performance Management Research Data Set (NPMRDS).

Presented an update on the progress on the report to the MOITS Subcommittee.

Staff attended the Transportation Research Board 93<sup>rd</sup> Annual Meeting held in Washington, DC on January 13 – 15, and presented two papers titled “Identifying Net Effect of Highway Project in Before-and-After Evaluation” and “Auto-Matching Traffic Message Channel (TMC) Paths and Travel Demand Model Network Links” respectively.

On January 23, staff participated in a webinar hosted by the I-95 Corridor Coalition on comparisons between the Vehicle Probe Project (VPP) data and the National Performance Management Research Data Set (NPMRDS). On the same day, staff also monitored a webcast, “INRIX Analytics is now more powerful: Minute-by-Minute Data Visualization, Volume Data and User Delay Costs...” provided by INRIX, Inc.

On January 29, staff participated in a webcast discussing the New Jersey Pilot Study Testing Potential MAP-21 System Performance Measures hosted by the I-95 Corridor Coalition.

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

Staff prepared for and conducted the regular meeting of the MOITS Technical Subcommittee held on January 7, 2014. The Subcommittee and staff reviewed the status of MOITS-related work activities, including the Congestion Management Process, Intelligent Transportation Systems (ITS) Architecture, and traveler information services.

Staff prepared for the next meeting of the MOITS Traffic Signals Subcommittee to be held in February, and continued preparations for future TPB and Emergency Preparedness Council presentations on traffic signal timing and power back-ups.

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.).

Staff attended the Transportation Research Board (TRB) 2014 Annual Meeting, January 12 – 16, in Washington, attending a number of MOITS-related sessions, including several sessions on the topic of climate change adaptation planning. Highlights of adaptation sessions relating to MPO planning were summarized in a memorandum.

C. Transportation Emergency Preparedness Planning

Staff assisted in the preparation and release of a Request for Proposals (RFP) in conjunction with a regional transportation emergency planning exercise planned for May 2014.

Staff led the Regional Emergency Support Function (RESF)-1 Committee through a review of the procedures for the urban area security initiative (UASI) grant program and assisted committee members in defining projects, completing proposals and joining like proposals into more efficient and effective proposals

Staff also reviewed with the RESF-1 Committee of the procedures for the Exercise and Training Oversight Panel (ETOP) Exercise and Training Subgrant program and assisted committee members

Staff reviewed the National Capital Region (NCR) homeland security voice and data communication strategic plans and arranged to have it reviewed by the full committee and provide feedback and concerns to the group developing the plan.

Staff prepared for and helped conduct the RESF-1/Emergency Transportation Committee meeting on January 16.

D. Transportation Safety Planning

Staff attended a meeting on January 17<sup>th</sup> on Pedestrian Safety Education in Prince George's County at the Maryland State Highway Administration District 3 offices in Greenbelt. The meeting brought together stakeholders in various pedestrian educational campaigns in Prince George's County, to coordinate the pedestrian safety education efforts within the County. Staff briefed the group on the regional "Street Smart" Pedestrian and Bicycle Safety Campaign.

Staff attended the 2014 Transportation Research Board Annual Meeting. Presentations and poster session topics included bicycle and pedestrian safety, surrogate measures of safety, and safety data and analysis.

Staff has explored projects to improve the geographic display of safety data. This effort includes the use of GIS software to create visualizations of crash data and the evaluation of custom software to facilitate a regional crash information database.

Staff have been involved in the ongoing effort to compile and analyze safety data for the 2013 calendar year.

E. Bicycle and Pedestrian Planning

TPB staff presented the following documents to the TPB Technical Committee at its January 7<sup>th</sup> meeting:

1. A revised draft regional Green Streets policy
2. Attachment A: Green Streets Guidance
3. Attachment B: Green Streets Resources
4. Summary of Comments and Responses
5. A Regional Green Streets policy inventory

TPB staff also briefed the Citizens Advisory Committee (CAC) on the revised Green Streets policy at their January 9<sup>th</sup> meeting. The CAC offered several suggestions with respect to the follow-up actions to the Green Streets policy.

On January 10<sup>th</sup> TPB staff briefed the Steering Committee of the Anacostia Watershed Restoration Partnership, the body which originally requested that the TPB develop a regional Green Streets policy, on the draft Green Streets policy.

TPB staff presented the Green Streets policy to the TPB at its January 19<sup>th</sup> meeting as an information item, and requested final comments. The final version of the Green Streets Policy was scheduled to go to the TPB for approval in February.

Staff also presented a list of Top Priority Unfunded Bicycle and Pedestrian projects, developed by the Bicycle and Pedestrian Subcommittee, to the TPB Technical Committee.

The Chair of the Bicycle and Pedestrian Subcommittee presented the list of Top Priority Unfunded Bicycle and Pedestrian projects to the TPB at its January 19<sup>th</sup> meeting as an information item.

Staff attended numerous bicycle, pedestrian, and safety-related sessions at the Transportation Research Board conference in DC, January 12-15.

Staff prepared an agenda and other materials for the regularly scheduled January Bicycle and Pedestrian Subcommittee, which was rescheduled to February due to inclement weather.

F. Regional Bus Planning

The Regional Bus Subcommittee met in January and discussed the Commuter Bus Staging Area Study, the 2013 Cordon Counts results, planning for the DC Circulator: National Mall Route, and WMATA's AVL Systems.

TPB staff worked to finalize language for the draft revision of the 2008 Moving Forward Bus Brochure. Staff prepared input for the 2015 UPWP regional bus planning activity. Staff also participated in the monthly WMATA JCC meeting.

G. Human Service Transportation Coordination

The Human Service Transportation Coordination Task Force did not meet in January but sent notice of and began planning its February meeting. A new Chair, Tim Lovain was appointed. Staff reviewed and summarized unmet needs identified in the October meeting of the task Force in preparation for update of the Coordinated Plan and issuance of the first solicitation under the new FTA Enhanced Mobility Program. Staff also developed a meeting schedule for the Task Force through June 2014.

H. Freight Planning

Staff finalized comments on the federal notice of the draft initial designation of the highway Primary Freight Network (PFN), by the U.S. Secretary of Transportation as required by 23 U.S.C. 167(d). The notice was published in the *Federal Register* on November 19, 2013, with stakeholder comments to be submitted to the federal docket by a February 15, 2014 deadline. Staff briefed the TPB Technical Committee on January 3 and the TPB on January 15 on the regional comments, and coordinated with DDOT, MDOT, and VDOT on comments anticipated to be submitted to the federal docket from those agencies. Comments were to be submitted in February 2014.

Staff participated in a January 22 FHWA "Talking Freight" national webinar on MAP-21 freight information and initiatives.

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 the January 2014 period, staff prepared for, hosted, and participated in the January 6 meeting of the MATOC Severe Weather Working Group, January 10 meeting of the MATOC Steering Committee, and January 30 joint meeting of the MATOC Information Systems and Operations Subcommittees. Staff also followed up on action items identified at previous meetings, and began preparations for February committee meetings. Activities were in coordination with the MATOC staff from the University of Maryland Center for Advanced Transportation Technology.

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

2014 CLRP & FY2015-20 TIP

Staff has been reviewing project inputs and coordinated with implementation agencies with respect to project changes since last year. Staff responded to a data request from Fairfax County pertaining to historic bus information in previous long range plans. Staff monitored publication of EPA guidance on MPO responsibilities related to CMAQ funding in MAR-21. Staff forwarded to the consultation agencies and public advisory committees the meeting agenda of the monthly TPB meeting and supporting material pertaining to air quality conformity.

B. Mobile Emissions Analysis

Staff developed road mobile emissions inventories – by executing MOVES model runs -- for annual and ozone season day emissions for base year 2011, and supplied pertinent narrative to be included in the overall documentation when emissions inventories from all sources are combined and submitted to EPA.

At the request of the Climate, Energy and Environment Policy Committee of MWCOG (CEEPC), CO2 emissions inventories from the on-road mobile sector for year 2012 were developed – by executing MOVES model runs. These inventories were for jurisdictions in the Washington non-attainment area.

Response letters by MWAQC and CEEPC respectively to TPB on the Regional Transportation Priorities Plan (RTPP) were finalized after extensive discussion

among committee members and forwarded to TPB before the end the public comment period.

Staff continued compilation of TERMS projects for inclusion in the 2014 CLRP & FY2015-20 TIP air quality conformity determination analyses.

Staff continued work towards refining the methods of forecasting regional vehicle population to the milestone years of the air quality conformity analyses; historical data dating back to 1992 and various forecasting methods were evaluated using statistical methods of analysis.

Staff developed emissions reductions estimates for year 2013 for a list of projects submitted by DDOT; the emissions rates and methodologies were consistent with the TERMS assumptions and methods of the 2013 CLRP & FY2013-18 TIP air quality conformity determination.

C. Regional Transportation Priorities Plan (RTPP)

The final public comment period on the RTPP closed on January 11<sup>th</sup>, and staff drafted a memo summarizing the comments received and actions that would be taken to address them. The memo was presented along with a resolution for approval of the Plan at the January 15<sup>th</sup> TPB meeting. The RTPP was approved unanimously by the TPB, and many members spoke in support of the plan.

After approval of the RTPP, staff began to brainstorm next steps. This included discussion on outreach to local jurisdictions, creating a common narrative for the RTPP and other COG planning efforts (such as the newly approved Plan + Opportunity Plan), and possibilities for future assessment of the how the region is moving toward making the priorities in the plan a reality. Staff also began to make presentation explaining the major ideas of the Plan to COG committees and sub-committees.

Support for COG's Region Forward

No work activity during the reporting period.

Prepare Grant Applications for USDOT Grant Funding Programs

No work activity during the reporting period.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff continued to review preliminary Round 8.3 jurisdictional forecasts submitted by Fairfax County, Loudoun County and the District of Columbia.

Staff worked with the DC Office of Planning in refining some of their preliminary post-2030 household and population forecasts.

Staff assisted Frederick County planning staff in developing preliminary Round 8.3 Cooperative Forecasts that separately identified growth forecasts for the City of Frederick within Frederick County totals.

Staff continued to review and analyze updated metropolitan economic forecast data from Woods & Poole, IHS Global Insight and Regional Economic Models, Inc (REMI) for the TPB modeled area.

Staff continued the tabulation and analysis of data on new commercial construction in the metropolitan Washington region for the Commercial Construction Indicators report.

Staff continued a review of the new employment forecasting methodology now being used by the Baltimore Metropolitan Council (BMC) for jurisdictions in the metropolitan Baltimore region.

Staff continued development of a look-up table to convert newly defined BMC Transportation Analysis Zones (TAZs) to equivalent 3722 TPB TAZs for Anne Arundel, Carroll and Howard Counties.

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

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

Draft documentation of the 2013 CLRP transportation highway and transit networks has been completed. The document is currently under internal review departmental staff members. Staff plans to share the report with the Travel Forecasting Subcommittee in February (via email) for their review.

Staff has completed work on a compilation of bus park-and-ride aerial photography that will support the planned conversion from TRNBUILD-based transit networks to PT-based transit networks. This effort is being guided by a consultant (AECOM) who is assisting TPB staff with the conversion, along with other travel modeling improvements.

Staff continues the updating of base-year regional transit network files that will inform forecast-year networks developed in the next air quality conformity cycle.

One member of the network development unit was a co-presenter at a poster session (#691) at the 93<sup>rd</sup> Annual Meeting of the Transportation Research Board which convened January 12-16 in Washington, D.C. The session occurred on January 14.

B. GIS Technical Support

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

Staff installed and configured ArcGIS Server10.2.1 on a test server to prepare for the upgrade of the ArcGIS Server software on main GIS server.

Staff continued to work COG's Information Technology and Facilities Management (ITFM) group to enable TPB's GIS servers to support the hosting spatial data online.

Staff continued work on the web map application for the CLRP project database.

Staff prepared a Request for Proposals (RFP) for consultant assistance to convert TPB's GIS-based network editing tools to the ArcGIS 10.x environment.

Staff attended the January Maryland State Geographic Information Committee (MSGIC) meeting to increase GIS coordination among COG and state and local government agencies in Maryland.

Staff attended the January 16<sup>th</sup> meeting of Chief Information Officers (CIO) Committee.

Staff planned and participated in the January 22<sup>nd</sup> National Capital Region Geospatial Data Exchange (NCR GDX) Governance meeting. The potential for integrating NCR GDX into planned regional emergency exercises was discussed. It was also decided to invite representatives of the National Information Sharing Consortium (NISC) to a future NCR GDX Governance meeting to discuss mutual areas of interest in regards to GIS data sharing.

Staff planned and participated in the COG GIS Committee meeting held on January 28<sup>th</sup>. Staff from Prince George's County, Fairfax County, and the District of Columbia gave presentations on uses of federal United States Geological Survey (USGS) GIS data in their local jurisdictions.

C. Models Development

The Travel Forecasting Subcommittee convened on January 24. The subcommittee was apprised of progress made on models development activities (assisted by AECOM). The subcommittee was also apprised of other staff activities, including:

Key findings of the 2013 Central Employment Core Cordon Count draft report;

A status update on the 2013 Washington-Baltimore Air Passenger Survey report;

A status update on the 2010 Census data and planned WMATA bus survey.

The consultant assisted project for improving the TPB's travel forecasting methods moved forward in January. Staff is currently engaged with AECOM in transitioning from TRNBUILD software to Public Transport (or PT) software for transit network processing. The consultant transmitted a memorandum on January 7 clarifying network coding guidance with PT software. This effort is continuing.

Data requests TPB staff responded to several data requests during January:

- M-NCPPC, Montgomery County staff requested total estimated person trips, by travel mode, from the Version 2.3.52 Travel Model, for the year 2040 for testing various transportation demand management (TDM) strategies in the White Flint area of Montgomery County.
- A consulting firm, working for the GSA, requested a loaded highway network, HBW trip tables, and zonal land use data for traffic studies in downtown DC.
- A consultant requested zonal land use data to produce population density maps.
- A student at the University of Virginia requested zonal land use data and TAZ boundary shapefiles.

VDOT has recently initiated a project in focused on transportation project evaluation in the Northern Virginia District. TPB staff has agreed to participate on an oversight panel with VDOT staff members. The first panel meeting convened on January 7 at the Northern Virginia DOT office. Following the meeting, TPB staff shared validation data with the consultant (AECOM) to facilitate their work. These data included 2010 traffic counts and special model performance summaries. TPB staff also attended oversight panel meeting (via internet) on January 21.

Several TPB staff members attended the 93<sup>rd</sup> Annual Meeting of the Transportation Research Board which convened January 12-16 in Washington, D.C.

On January 24, TPB staff attended a meeting to assist Commuter Connections staff, and their consultants, in formulating an approach for developing Transportation Emission Reduction Measures (TERMs).

#### D. Software Support

In preparation for the upcoming air quality conformity cycle, staff tested the performance of the servers implemented under the new overall agency-wide network settings.

## 5. TRAVEL MONITORING

### A. Cordon Counts

Staff presented the draft 2013 cordon count report to the Travel Forecasting Subcommittee at its January 24<sup>th</sup> meeting, and to the Regional Bus Subcommittee at its January 28<sup>th</sup> meeting. Staff began revising the work plan for the spring regional HOV monitoring performed under this work item.

### B. Congestion Monitoring and Analysis

Staff tested the January 22<sup>nd</sup> 2014 release of the vehicle probe project (VPP) analysis suite tools in RITIS and compared it with the previous version of the tool.

Staff developed the request for proposal (RFP) for the spring 2014 freeway congestion monitoring program for release soon. The MOITS Technical Subcommittee will be briefed on the freeway congestion monitoring program schedule during the February meeting.

The outline of the congestion monitoring analysis which will be included in the FY 2014 congestion management process technical report was finalized and the MOITS Technical subcommittee will be briefed on the subject during the February meeting.

Staff attended the 2014 TRB annual meeting and met with representatives of companies involved in congestion monitoring activities regarding emerging technologies and procedures.

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

Staff continued work on the preparation of the RFP for the FY 2014 Geographically-Focused Household Travel Surveys (HTS).

Staff completed jurisdiction level checks of primary 2006-2010 Census Transportation Planning Product (CTPP) population, group quarter, household, and worker data for TPB modeled area jurisdictions. Staff also downloaded the Transportation Analysis Zone (TAZ) level CTPP data and began some basic comparisons of CTPP worker place of work totals by TAZ with local jurisdiction Cooperative Forecasting Round 8.2 TAZ employment estimates.

Staff gave an overview presentation on the CTPP and the results of some basic checks of jurisdictional and TAZ level CTPP data for the TPB modeled area to the Travel Forecasting Subcommittee.

D. Regional Transportation Data Clearinghouse (RTDC)

Staff continued to review and analyze the traffic count and classification data obtained from regional Automatic Traffic Recorders (ATRs) from 2007 through 2013.

Staff updated the schedule of Clearinghouse work activities for the next six months.

Staff geo-referenced the newly operational DDOT permanent counting stations to Clearinghouse highway network links.

Staff began preparation of the 2014 regional transit network for inclusion in the RTDC.

Staff requested 2013 HPMS data from MDSHA and expects this data will be available in late February/early March.

Staff responded to a request from DDOT for historical VMT data.

Staff responded to a request for login credentials to the RTDC from a consultant (VHB) who was working on a project for Montgomery County DOT and to a follow-up question on average weekday ridership shown for RideOn routes in the RTDC.

6. TECHNICAL ASSISTANCE

A. **DISTRICT OF COLUMBIA**

1. Program Development, Data Requests & Miscellaneous Services

No work activity during the reporting period.

2. Traffic Counts and HPMS Support

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

Staff processed and reviewed with the HPMS Coordinating Committee Traffic.com continuous traffic counts collected on DDOT Interstate and freeway sections in December 2013. Staff also reviewed November and December count data collected at newly operational DDOT permanent count stations.

Staff reviewed 2 three-day volume counts submitted by the traffic counting contractor. Staff accepted one of these counts and rejected the

other because it was not performed at the correct location. Staff provided the contractor with additional maps showing the correct location for this count.

Staff calculated annual growth, month, day-of-week and seasonal factors for development of HPMS 2013 Annual Average Daily Traffic (AADT) volumes. Staff factored 2013 short-term volume, ramp and classification counts to preliminary AADT volume estimates and began an initial review of these estimates.

Staff prepared maps presenting the results of ramp counts conducted in 2013.

Staff began work to implement the CY2014 HPMS traffic counting program.

3. Bicycle Counts

No work activity during the reporting period.

4. Weigh In Motion (WIM) Station Analysis

No work activity during the reporting period.

5. Peak Period Street Restrictions Inventory

No work activity during the reporting period.

**B. MARYLAND**

1. Program Development /Management

An inventory of on-going activities was taken setting the stage for the preparation of budgets for the remaining of FY2014 and onward with preliminary budget estimates of the UPWP for FY15.

2. Project Planning Studies

No work activity during the reporting period.

3. Feasibility/Special Studies

Staff continued work on the Veirs Mill road and Georgia Avenue studies by developing supporting documentation for the work that has been done thus far. Furthermore, staff continued testing various elements of the regional travel demand model with an eye towards improved in performance in transit corridors studies.

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 (TLC)

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. Human Services Transportation Study/ Follow-on and Support

No work activity during the reporting period.

9. Other Tasks Yet to Be Defined

No work activity during the reporting period.

**C. VIRGINIA**

1. Data/Documentation Processing

In response to a request from VDOT staff reviewed technical documentation of a travel demand model developed for Loudoun County for performance in accordance with VDOT guidance for travel demand model application studies. Staff summarized the review findings in a technical memorandum to VDOT.

In response to a request from VDOT staff reviewed technical material generated by consultants for the Route 1 Study Alternatives Analysis led by DRPT. Staff also attended a project coordination meeting and participated in the discussion regarding the development of alternatives augmenting VDOT staff resources. As the study progresses, staff may be called again as a resource in this project.

Staff responded to a consultant question on transit data to support the Potomac River Crossing Data Development Study.

2. Travel Monitoring and Survey

Staff continued work on the Fall 2013 travel monitoring technical memorandum.

3. Travel Demand Modeling

Staff completed a technical memorandum reviewing the latest information the Loudoun county Travel Model.

4. Regional and Sub-Regional Studies

Staff reviewed the four RFP responses for the Regional Bus Staging, Parking, and Layover Location Study and convened the Technical Selection Committee to select a contractor. Staff attended reviewed materials for and attended VDOT meetings on the model validation and calibration for the NoVa Project Rating Study and the US 1 Alternatives Analysis.

5. Other Tasks Yet to be Defined

No work activity during the reporting period.

**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. 2014 Metrobus Passenger on-Board Survey

WBA Research was the consulting firm selected to conduct the 2014 Metrobus Passenger Survey.

The draft consultant work plan for this project was reviewed by the COG/WMATA project team in a kick-off meeting. Priority work activities were identified, assignments were made and a finalized project timeline was approved.

The consultant team reviewed the overall survey design and suggested a few modifications to it, especially in regards to the response options to be provided for bus passengers with limited language proficiency in English or who have visual impairments. The suggested modifications

and other aspects of the survey design will be evaluated in a pre-test and finalized thereafter.

Mock-ups of the English and Spanish version of the survey questionnaire were prepared by the consultant and reviewed by the COG/WMATA project team. A few further refinements to the questionnaire were made in response to comments from the COG/WMATA project team.

The consultant prepared draft on-line web versions of the survey questionnaire in English, Spanish, Vietnamese, simple Chinese, Korean, French and Amharic for review by WMATA staff proficient in these languages.

Development of the foreign language card survey invitation was completed by the consultant and survey materials for the pre-test were printed. All systems and related materials needed for tracking the survey operations were also under preparation.

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

### **A. CASP 27**

#### **1. Ground Access Element Update**

Staff continued changes to the draft report based on feedback from the Aviation Technical Subcommittee.

#### **2. Update Ground Access Forecasts**

Staff began a major update of the CASP web pages.

#### **3. 2013 Air Passenger Survey (Phase 1)**

Staff began performing quality assurance / quality control checks on the survey data file and provided several preliminary tabulations (unexpanded records) to the Aviation Technical Subcommittee at its January 23<sup>rd</sup> meeting.

## **8. SERVICES/SPECIAL PROJECTS**

**FY 2014 TRANSPORTATION PLANNING BOARD  
COG/TPB BUDGET EXPENDITURE SUMMARY**

January 31, 2014

	<b>BUDGET TOTAL</b>	<b>FUNDS EXPENDED</b>	<b>% FUNDS EXPENDED</b>
<b>1. PLAN SUPPORT</b>			
A. Unified Planning Work Program (UPWP)	72,800.00	14,073.84	19%
B. Transportation Improvement Program (TIP)	247,800.00	103,818.76	42%
C. Constrained Long-Range Plan	606,100.00	229,170.67	38%
D. Financial Plan	94,900.00	48,957.70	52%
E. Public Participation	434,700.00	285,365.90	66%
F. Private Enterprise Participation	18,800.00	2,165.50	12%
G. Annual Report	82,500.00	38,330.56	46%
H. Transportation / Land Use Connection Program	430,300.00	70,598.63	16%
I. DTP Management	464,200.00	236,198.65	51%
<b>SUBTOTAL</b>	<b>2,452,100.00</b>	<b>1,028,680.20</b>	<b>42%</b>
<b>2. COORDINATION PLANNING</b>			
A. Congestion Management Process (CMP)	211,000.00	40,514.66	19%
B. Management, Operations & ITS Planning	350,500.00	172,263.48	49%
C. Emergency Preparedness Planning	77,600.00	23,878.72	31%
D. Transportation Safety Planning	128,800.00	54,020.97	42%
E. Bicycle and Pedestrian Program	125,000.00	82,218.10	66%
F. Regional Bus Planning	160,043.00	51,795.65	32%
G. Human Service Transportation Coordination Planning	141,200.00	61,471.14	44%
H. Freight Planning	154,500.00	42,988.25	28%
I. MATOC Program Planning & Support	123,600.00	57,017.23	46%
<b>SUBTOTAL</b>	<b>1,472,243.00</b>	<b>586,168.19</b>	<b>40%</b>
<b>3. FORECASTING APPLICATIONS</b>			
A. Air Quality Conformity	584,600.00	421,098.06	72%
B. Mobile Emissions Analysis	707,200.00	393,454.67	56%
C. Regional Studies	531,800.00	343,891.46	65%
D. Coord. Cooperative Forecasting & Trans Planning	831,000.00	399,159.39	48%
<b>SUBTOTAL</b>	<b>2,654,600.00</b>	<b>1,557,603.57</b>	<b>59%</b>
<b>4. DEVELOPMENT OF NETWORKS AND MODELS</b>			
A. Networks Development	792,800.00	339,477.62	43%
B. GIS Technical Support	668,300.00	266,843.28	40%
C. Models Development	1,103,400.00	491,959.34	45%
D. Software Support	184,300.00	89,694.00	49%
<b>SUBTOTAL</b>	<b>2,748,800.00</b>	<b>1,187,974.24</b>	<b>43%</b>
<b>5. TRAVEL MONITORING</b>			
A. Cordon Counts	258,400.00	114,517.98	44%
B. Congestion Monitoring and Analysis	453,200.00	138,349.36	31%
C. Travel Survey and Analysis			
Household Travel Survey	1,170,400.00	104,879.00	9%
D. Regional Transportation Clearinghouse	327,400.00	102,448.81	31%
<b>SUBTOTAL</b>	<b>2,209,400.00</b>	<b>460,195.16</b>	<b>21%</b>
<b>SUBTOTAL CORE PROGRAM ITEMS 1-5</b>	<b>11,537,143.00</b>	<b>4,820,621.35</b>	<b>42%</b>
<b>6. TECHNICAL ASSISTANCE</b>			
A. District of Columbia	360,433.00	98,295.00	27%
B. Maryland	946,024.00	179,709.76	19%
C. Virginia	802,690.00	238,838.84	30%
D. WMATA	222,895.00	40,005.96	18%
<b>SUBTOTAL</b>	<b>2,332,042.00</b>	<b>556,849.58</b>	<b>24%</b>
<b>TPB GRAND TOTAL</b>	<b>13,869,185.00</b>	<b>5,377,470.91</b>	<b>39%</b>

**FY 2014 TRANSPORTATION PLANNING BOARD  
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**

January 31, 2014  
SUPPLEMENT 1

	TOTAL		FTA/STA/LOC		PL FUNDS/LOC	
	AUTHORIZED BUDGET	TOTAL EXPENDITURES	AUTHORIZED BUDGET	FTA EXPENDITURES	AUTHORIZED BUDGET	FHWA EXPENDITURES
<b>A. District of Columbia</b>						
1. Program Development, Data Requests & Misc. Services	10,000	0.00	206	0	9,794	0.00
2. Traffic Counts & Highway Performance Mgmt System	235,000	97,687.40	4,830	2,008	230,170	95,679.41
3. Bicycle Counts	17,600	607.60	362	12	17,238	595.11
4. Weigh In Motion Station Counts	20,000	0.00	411	0	19,589	0.00
5. Peak Period Street Restrictions Study	20,000	0.00	411	0	19,589	0.00
6. Outdoor Sign Inventory Update	57,833	0.00	1,189	0	56,644	0.00
7. NOT IN USE	0	0.00	0	0	0	0.00
<b>SUBTOTAL</b>	<b>360,433</b>	<b>98,295.00</b>	<b>7,409</b>	<b>2,020</b>	<b>353,024</b>	<b>96,274.53</b>
<b>B. Maryland</b>						
1. Program Development/Management	30,000	4,033.20	617	83	29,383	3,950.30
2. Project Planning Studies	180,000	94,861.48	3,700	1,950	176,300	92,911.58
3. Feasibility/Specials Studies	308,000	53,437.77	6,331	1,098	301,669	52,339.34
4. Transportation Performance Measures	168,000	4,859.71	3,453	100	164,547	4,759.81
5. Training/Technical Support	30,000	0.00	617	0	29,383	0.00
6. Statewide Transportation Model Support	0	0.00	0	0	0	0.00
7. Transportation/Land Use Connections Program	160,000	22,517.60	3,289	463	156,711	22,054.75
8. Human Services Transportation Study	40,000	0.00	822	0	39,178	0.00
9. Other Tasks to be defined	30,024	0.00	617	0	29,407	0.00
<b>SUBTOTAL</b>	<b>946,024</b>	<b>179,709.76</b>	<b>19,446</b>	<b>3,694</b>	<b>926,578</b>	<b>176,015.78</b>
<b>C. Virginia</b>						
1. Data/Documentation processing	15,000	3,303.52	308	68	14,692	3,235.61
2. Travel Monitoring Survey	150,000	135,896.28	3,083	2,793	146,917	133,102.91
3. Travel Demand Modeling	50,000	12,040.08	1,028	247	48,972	11,792.59
4. Regional and Sub-Regional Studies	552,718	87,598.96	11,361	1,801	541,357	85,798.34
5. Other Tasks to be Defined	34,972	0.00	719	0	34,253	0.00
6. NOT IN USE	0	0.00	0	0	0	0.00
7. NOT IN USE	0	0.00	0	0	0	0.00
8. NOT IN USE	0	0.00	0	0	0	0.00
<b>SUBTOTAL</b>	<b>802,690</b>	<b>238,838.84</b>	<b>16,499</b>	<b>4,909</b>	<b>786,191</b>	<b>233,929.45</b>
<b>D. WMATA</b>						
1. Program Development	5,000	569.95	5,000	570	0	0.00
2. Miscellaneous Services	5,000	0.00	5,000	0	0	0.00
3. Bus Passenger Counts 2013	191,200	39,436.01	191,200	39,436	0	0.00
4.	0	0.00	0	0	0	0.00
5.	21,695	0.00	21,695	0	0	0.00
<b>SUBTOTAL</b>	<b>222,895</b>	<b>40,005.96</b>	<b>222,895</b>	<b>40,006</b>	<b>0.00</b>	<b>0.00</b>
<b>GRAND TOTAL</b>	<b>2,332,044</b>	<b>556,849.56</b>	<b>266,249</b>	<b>50,630</b>	<b>2,065,793</b>	<b>506,219.76</b>