

FY 2016



National Capital Region
Transportation Planning Board

Work Program Progress Report
NOVEMBER • 2015

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, N.E., SUITE 300
WASHINGTON, D.C. 20002-4239
MAIN 202/962-3200 | FAX 202/962-3201 | TTY 202/962-3212 | [HTTP://WWW.MWCOG.ORG](http://www.mwco.org)

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

The progress report for October on UPWP work activities was prepared. A major amendment to the FY 2016 UPWP was approved at the TPB's November meeting. The amendment includes changes to the budget and work elements that reflect revisions in the funding allocations provided by the state DOTs.

B. Transportation Improvement Program (TIP)

At their November 6 meeting, the TPB Steering Committee approved two amendments to the FY 2015-2020 TIP. The first amendment was requested by the Maryland Department of Transportation (MDOT) to include funding for the I-495 Capital Beltway Resurfacing and US 40 Alt. (Main Street) reconstruction projects. The second amendment was requested by the Virginia Department of Transportation (VDOT) to include funding for the Minnieville Road and Sycolin Road widening projects.

During the month of November TPB staff processed two administrative modifications to the TIP for VDOT.

C. Constrained Long-Range Plan (CLRP)

Staff develop the draft Call for Projects for the 2016 CLRP amendment, which was presented at the TPB Technical Committee meeting on November 6 and as an information item to the TPB at the meeting on November 18.

D. Financial Plan

The financial summaries in the FY 2015-2020 TIP were reviewed and updated as administrative modifications. TIP amendments were approved.

E. Public Participation

The TPB hosted an event on November 18 to commemorate the TPB's 50th anniversary. The event featured four guest speakers. Staff worked with a consultant on the development of a video that was premiered at the event and will be shown at a variety of occasions in coming months.

At its monthly meeting, the Citizens Advisory Committee discussed the TPB's regional freight planning activities. The committee also discussed policies and other efforts throughout the region that are seeking to eliminate all traffic deaths.

Staff worked with a consultant to finalize the development of a style guide and templates for documents and presentations.

Staff worked on the update of pages on the COG website related to transportation.

F. Performance Based Planning

The TPB Technical Committee was briefed on the MAP-21 rulemaking schedule and on the Transit Asset Management proposed rulemaking. TPB staff continued analysis of performance measures for the metropolitan planning area for the area of highway safety and highway conditions. TPB staff continued tracking the schedule for publication of performance measurement notices by USDOT and other performance provisions activities.

G. TPB Annual Report and TPB News

The *TPB News* was produced and distributed.

Staff wrote and distributed a special edition of the TPB Weekly Report on traffic impacts of the Pope's recent visit.

H. Transportation / Land Use Connection Program (TLC)

The process for selecting consultants for the nine new TLC projects was finalized. Contracts were drafted.

A consultant worked on an evaluation of the TLC Program. Surveys were distributed to all past recipients. Case studies research was initiated.

I. DTP Management

Staff support was provided for the November meetings of the TPB, the TPB Steering Committee, the State Technical Working Group and the TPB Technical Committee.

The Director's Report was prepared for the November TPB Meeting.

The DTP Director participated in the November TPB/MWAQC Technical Advisory Committee conference call.

Staff made preparations for and organized the program for the TPB's 50th Anniversary Celebration.

The DTP Director participated in several FTA /TOC /COG WMATA Safety Oversight meetings held in November.

The DTP Director participated in the November TPB Citizens Advisory Committee meeting.

The DTP Director met with former TPB Chairman John Mason on the TPB's 50th Anniversary Celebration,

The DTP Director conferred with TPB Board Member Hudgins on the upcoming WMATA presentations at the TPB's November and December Board meetings.

The DTP Director met with WMATA Board Chairman Mortimer Downey to discuss Metro Safety Oversight and a number of other current issues of mutual interest to WMATA and the TPB.

The DTP Director met with TPB Board member Jay Fisette to discuss Board member Fisette's interest in establishing a TPB Working Group to explore the development of project scoring system to evaluate projects being added to the TPB's CLRP.

The DTP Director participated in the Federal Railroad Administration agency scoping meeting on the Union Station Expansion Project.

The DTP Director participated in the Board of Trade Metro Future Funding Task Force Meeting.

The DTP Director reviewed a draft Memorandum of Understanding (MOU) between TPB, the Calvert-St Mary's MPO & Calvert County on the conduct of air quality conformity analysis for the 8-hour ozone non-attainment area.

The DTP Director participated in the November TIGER Grant project management teleconference.

The DTP Director participated in the I-66 Outside the Beltway Air Conformity Coordination – Interagency Consultation conference call.

The DTP Director made a presentation on regional transportation planning to the current class of COG’s Institute for Regional Excellence par

2. **COORDINATION PLANNING**

A. **Congestion Management Process (CMP)**

Development and compilation of the 2016 Congestion Management Process (CMP) Technical Report was initiated and gathering of source data, documents and information started.

Staff investigation continued on new techniques such as “data-driven documents” and Tableau software to visualize transportation systems performance measures for the enhancement of CMP performance reporting.

On November 3, staff monitored the National Performance Management Research Data Set (NPMRDS) quarterly webcast.

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

Staff continued follow-up activities from the October 15 joint meeting of the MOITS Technical Subcommittee and the Regional Emergency Support Function #1 (RESF-1) Emergency Transportation Committee. Staff continued coordinating with participating agencies in the regional traffic signals power backup Urban Area Security Initiative (UASI) grant in an effort to meet grant requirements, as well as providing technical advice to RESF-1's development of a strategic plan for the installation of traffic signal power backup at locations in the region critical for emergency management. Preparations began for the December 8 MOITS Technical Subcommittee meeting.

Staff participated in monthly coordination meetings for the regional TIGER grant.

Staff attended an event sponsored by VDOT to learn about traffic controller and central signal system technologies and participate in the discussion regarding Virginia’s long-term investment in these systems.

Staff attended an ITS Maryland-sponsored workshop to learn about emerging traffic signal performance measures given the recent availability of probe, Bluetooth, and high resolution signal data.

C. **Transportation Emergency / Security Planning**

The November 19 meeting of the Regional Emergency Support Function 1 - Transportation (RESF-1) Committee was organized and conducted. The Committee discussed information on the National Capital Region Homeland Security Strategic Plan.

Staff provided results from a recent survey on the status of the signal power backup urban area security initiative (UASI) grant and provided an update to the committee. The Committee was also briefed on the Regional Freight Plan update, and the status of the Evacuation Trailer project. Staff attended the UASI Priorities Taskforce Committee held on November 23, 2015 on behalf of the RESF-1 chair. Three documents were received from

RESF-5 and are being reviewed. They are: Regional Emergency Evacuation Transportation Coordination Annex to the Regional Evacuation Plan, A guidance document for NCR Emergency Planners to use to develop local plans around Evacuation Transfer Points, and- Local Assembly Area Guidance - A guidance document for NCR Emergency Planners to use to develop local plans around Evacuation Assembly Points.

D. Transportation Safety Planning

The November 3 meeting of the Transportation Safety Subcommittee was organized and conducted. The Subcommittee received a presentation on current technologies for pavement marking visibility in wet conditions, as well as reviewing and discussing a Montgomery County report analyzing the County's pedestrian safety data.

Staff continued to work with the Street Smart Advisory Group regarding Spanish language materials and media outreach for the Street Smart campaign.

Staff continued following up on September and October information exchanges with safety officials in Maryland, Virginia, and the District of Columbia to prepare for the implementation of MAP-21 safety performance management requirements.

E. Bicycle and Pedestrian Planning

The November 17 meeting of the Bicycle and Pedestrian Subcommittee was organized and conducted. The Subcommittee was briefed on the DC Bikeshare Capital Development Plan, and the draft Unfunded Capital Needs Work Plan. The Subcommittee will be called upon to develop a list of unfunded bicycle and pedestrian projects that will meet the region's needs.

The Subcommittee selected a new chair for 2016, from WMATA.

Due to the high level of overlap in goals, as well as people and organizations involved, the Subcommittee agreed that the Bicycle Beltway project be merged with the regional trails network plan currently under development by the Regional Trails Coalition, which includes WABA, the National Park Service, and numerous other key stakeholders.

Staff attended the Regional Trails Symposium organized by WABA and the National Park Service on November 3, and volunteered to serve on the "core group" of the Regional Trails Coalition.

Staff worked with the Safe Routes to School National Partnership to host a Safe Routes to School regional meeting, which took place on November 5. Staff presented on the Street Smart campaign at the meeting, as well the Transportation Alternatives Program and the Transportation-Land Use Connections program. Approximately 40 people attended the meeting, mostly representing school district physical education departments.

Staff briefed the Transportation Safety Subcommittee on the Fall 2015 Street Smart campaign at its November 3 meeting.

F. Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met on November 24. Agenda topics included presentations from VRE on recent success stories, an update on the Envision Route 7 Project from NVTC, and a review of the 2012 Multimodal Hot Spots Study by the TPB consultant. TPB staff also discussed the progress of the State of Public Transportation Report.

TPB staff attended the monthly WMATA JCC meeting and a meeting of WMATA's Night Bus Study.

G. Human Service Transportation Coordination

During the month of November, staff continued to support the solicitation of Enhanced Mobility grant applications, which began on August 14 and ended on November 2. Staff continued to provide technical assistance to interested applicants, including assistance with using the online application and required application components right up to the deadline.

Staff also reviewed the submitted applications for completeness and worked with applicants to obtain missing or unclear information. Twenty-four applications were received. Staff began to draft application summaries for the selection committee, score the applications and identified potential members to serve on the selection committee.

H. Freight Planning

The November 5, 2015 special web meeting of the TPB Freight Subcommittee was organized and conducted. The focus of this meeting was a review of the October TPB work session on the policy aspects to be included in the National Capital Region Freight Plan and a discussion of next steps. This information was also presented to the TPB Technical Committee on November 6.

A presentation on the Draft National Capital Region Freight Plan was prepared and given to the November 12 TPB Citizens Advisory Committee meeting, providing an opportunity for CAC discussion and feedback on the plan. A presentation on the plan was also given to the RESF-1 Emergency Transportation Committee on November 19.

Staff was an invited participant to a National Cooperative Freight Research Program project panel meeting to develop the Request for Proposal (RFP) for NCFRP-49 *Understanding and Using New Data Sources to Address Urban and Metropolitan Freight Challenges* on November 2-4 in Irvine, California.

Staff participated in a November 13 roundtable discussion led by the Deputy Administrator of the Federal Motor Carrier Safety Administration (FMCSA). The goal of the discussion was to identify ways the FMCSA can improve its partnership with various public sector entities operating within the District of Columbia.

Further improvements were made to the Draft National Capital Region Freight Plan, particularly to address stakeholder comments.

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 November 2015 period, staff prepared for and participated in a number of events to help support the University of Maryland's MATOC Staff's execution of the annual MATOC Work Plan.

The November 2 meeting of the MATOC Severe Weather Working Group was organized and conducted, providing an opportunity for interagency information exchange on preparations

for the upcoming winter weather season, and following up on the COG (multi-sector) Annual Winter Weather Briefing held that same morning.

The November 10 MATOC Traffic Incident Management (TIM) Conference Planning Working Group conference call was organized and conducted, among a number of calls and meetings anticipated over the coming months for organizing an April 2016 regional TIM conference.

The November 13 MATOC Steering Committee monthly meeting was organized and conducted, accommodating the monthly opportunity for the MATOC Steering Committee to provide oversight to the MATOC program, and providing guidance to the ongoing work of the MATOC subcommittees and working groups.

The November 19 MATOC Information Systems Subcommittee conference call was organized and conducted, providing an opportunity for information exchange and coordination among major transportation agencies on technological support systems for operations.

Staff also followed up on action items identified at previous meetings, and began preparations for November committee meetings. Activities were in coordination with the MATOC staff from the University of Maryland Center for Advanced Transportation Technology.

Staff continued development of a retrospective Annual Report publication for the MATOC Program for FY2015, to be finalized and published this fall.

3. FORCASTING APPLICATIONS

A. Air Quality Conformity

The final Air Quality Conformity Determination report on the 2015 CLRP and 2015-2020 TIP was posted on the MWCOG website.

Staff presented a memorandum to the TPB Technical Committee at its November meeting describing the current transit network coding assumptions that were reflected in the travel modeling of the 2015 CLRP air quality analysis. The memorandum will serve as a basis upon which transit network assumptions may be updated in the next (2016 CLRP) conformity cycle.

Staff drafted a memorandum of agreement between the TPB and the Calvert County and Saint Mary's County MPO (C-SMMPO) regarding the treatment of transportation projects in the region's air quality conformity analysis. Calvert County is currently within in the Washington, DC-MD-VA 8-Hour Ozone Nonattainment area, and is also a member of the newly formed C-SMMPO in southern Maryland. Projects in Calvert County have always been included in the TPB's conformity analysis, but with the creation of the new MPO, it is necessary to formalize coordination between the TPB and the C-SMMPO to assure that Calvert County's projects are properly assessed for regional air quality conformity. Staff is coordinating with MDOT and C-SMMPO staff, as well as FHWA and FTA staff, to finalize the document for approval by the TPB in January.

In accordance with TPB consultation procedures, staff forwarded a memorandum specifying the monthly TPB meetings and air quality conformity consultation elements to public advisory committees.

B. Mobile Emissions Analysis

Staff summarized the MOVES2014 mobile emissions modeling results for the PM2.5 Maintenance Plan Update. This work entailed developing annualized on-road emissions inventories for five pollutants (PM2.5, NOx, SO2, VOC, and NH3), for three analysis years (2007, 2017 and 2025) analysis years. The analysis is under review by the DTP staff and DEP staff.

In response to a data request by the Virginia Department of Transportation, staff transmitted emissions data for all milestone years from the 2015 CLRP for use in VDOT's Air Quality Resource Document.

As per the recent release of the MOVES2014a mobile emissions model, staff attended a webinar offered by the EPA to learn more about the new features of the model and began preparing for and conducting preliminary applications and sensitivity testing of the updated model. The MOVES2014 model is currently in use for air quality conformity work.

C. Regional Studies

A letter from the TPB endorsing the DDOT grant application for Low-No Emissions Vehicles program funds from the FTA was prepared.

Staff reached out to the TPB, MWAQC, CEEPC and COG Board leadership to identify members of these bodies to serve on an Elected Official Policy Working Group to advise the COG Board on Multi-Sector Greenhouse Gas Consensus Recommendations. The meeting of the Elected Official Policy Working Group will be held in January.

Staff development of a draft list of recommended consensus Multi-Sector Working Group (MSWG) transportation and land use strategies for consideration by the Elected Official Policy Working Group.

The Unfunded Capital Needs Working Group held its third meeting on November 18. The group tentatively approved a work plan in three phases that will do the following: 1) Develop a Baseline Report on No-Build and All-Build Scenarios (January 2016-June 2016); 2) Develop a Plan of Unfunded Regional Priority Projects (January 2016 – June 2017); 3) Incorporate Unfunded Priority Projects into the region's Long-Range Transportation Plan (July 2017 – September 2018).

D. Coordination Cooperative Forecasting & Transportation Planning

Staff met with the members of the Cooperative Forecasting Subcommittee on November 3 to begin the process to reconcile the preliminary jurisdictional Round 9.0 Cooperative Forecasts with the results of the Round 9.0 econometric model. Staff presented an analysis showing that there are significant differences between the sum of preliminary jurisdictional Round 9.0 employment forecasts and the econometric model employment forecasts for the entire region. In the year 2045, the sum of the jurisdictional employment forecasts exceed the regional econometric model by 276,000 jobs or more than 6.7 percent.

Staff also gave a presentation to the Cooperative Forecasting Subcommittee on the suggested methodology for developing consistent jurisdictional baseline employment estimates for 2015 and pointed out that some of the differences between the Round 9.0 sum of the jurisdictional employment forecasts and the regional econometric model could be reduced if all jurisdictions followed this suggested methodology.

Staff met with DC Office of Planning staff to discuss the District of Columbia's preliminary Round 9.0 forecasts and the suggested a methodology for developing consistent jurisdictional baseline employment estimates for 2015. DC Office of Planning staff agreed to adopt the suggested methodology and reduce their preliminary Round 9.0 employment forecasts to take into account this consistent jurisdictional baseline employment estimate.

Staff discussed the reconciliation of the preliminary Round 9.0 forecasts and the regional econometric model projections with City of Alexandria planning staff. As a result of this discussion, City of Alexandria planning staff agreed to reduce their employment forecasts in the out years of the forecast period.

Staff briefed the Planning Directors Technical Advisory Committee on the status of reconciling the preliminary jurisdictional Round 9.0 Cooperative Forecasts with the results of the Round 9.0 econometric model.

Staff completed the grant application to obtain the funding needed to procure a subscription to the Labor Insight tool developed by Burning Glass.

Staff continued to research current commercial real estate trends, office vacancy rates, employee per square foot density assumptions and NAICS industry to land use type conversion factors using the Co-Star database.

Staff prepared the monthly Regional Economic Monitoring Report and posted this report on the COG website.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

Staff has begun transit network coding to support a travel modeling scenario analysis that is in formulation by the TPB's Unfunded Capital Needs Working Group. Staff has collected available information about route alignment and average headways. Some projects are lacking in specificity and will require future coordination between TPB staff and area transportation agencies.

Staff work on the update of the base year (2015) transit network has continued during November. Staff has used both digital (GTFS) data and paper transit schedules to update codes route alignments, average headways, and average run times in operation at the present time. The updated base year network will serve as the basis for future year networks developed as part of the air quality analysis of the 2016 CLRP.

Staff has continued testing of the ArcGIS 10.2.1 version of the application for editing and managing regional transportation networks (COGTools).

B. GIS Technical Support

Staff continued to monitor and manage the operational performance of the ArcGIS server, and continued to work with Esri technical support staff to test workflows for hosting TPB web maps and applications containing secure content.

Staff attended the second meeting of the TPB Unfunded Capital Needs working group and completed work on the TPB Unfunded Capital Needs web map application.

Staff attended the November meetings of the Bicycle and Pedestrian Subcommittee, the Travel Forecasting Subcommittee, and the Cooperative Forecasting Subcommittee.

Staff continued work towards the creation of new data products for the bicycle and pedestrian projects that are part of the CLRP, and participated in regularly held meetings of the CLRP project coordination team. Staff updated the CLRP web map application to include the activity Center boundaries.

Staff updated the jurisdictional boundary datasets on the G drive, including county and Maryland municipal boundaries.

Staff created a draft map for publication depicting the I-66 Corridor Data Collection for VDOT/NVTC, responded to a request from Loudoun County and provided a shapefile of the projects in the 2015 CLRP Amendment, and created a draft shapefile and prepared an accompanying memo detailing the location and extent of the managed lanes (HOV, HOT, express, etc.) in the TPB region.

Staff planned and participated in the November 17 GIS Committee meeting where they discussed NextGen 9-1-1 and revamping the Minimum Essential Dataset, and participated in the November 19 CIO Committee meeting.

C. Models Development

The Travel Forecasting Subcommittee (TFS) met on November 20. At its previous meeting, the TFS had received a briefing on a strategic plan for improving the regional travel demand forecasting model. At the November meeting, the TFS was briefed on a short-term implementation plan, a two-year subset of the strategic plan focused on making improvements to the existing trip-based four-step travel demand model. The TFS was also briefed on the status of TPB's Unfunded Capital Needs Working Group. The 2016 chair of the TFS was announced: Bob Josef of VDOT.

Staff improved to the existing COG/TPB process used to estimate dynamic tolls on HOT-lane facilities as part of the travel demand model. The process eliminates manual intervention that is required under existing modeling practice. The improved procedure has been documented and is under internal review.

TPB staff and its consultant (Cambridge Systematics, Inc.) developed a short-term implementation plan (November 11) focused on the first two years of the seven-year strategic plan. The short term plan focuses on updates to the existing trip-based travel demand model. The short-term plan specifics were presented to the TFS at its November meeting. Staff is presently working with CS to finalize task orders which will support the implementation of the short term improvements. WMATA has advocated for several transit-related features to be included in staff's short term improvement plans. In response, staff transmitted a memorandum to WMATA on November 13 describing how WMATA's proposed improvements to the regional travel demand model were addressed in the short-term implementation plan.

Staff responded to seven technical data requests for the currently adopted travel model or for other model related data.

Staff attended a meeting with a travel modeling software vendor, PTV, on November 19 to learn about work that PTV had performed for Arlington Co. The work involved both traffic microsimulation (VISSIM) and macro-simulation (VISUM), which involved converting the COG/TPB AM highway assignment into VISUM.

On November 19, staff attended a Travel Model Improvement (TMIP) webinar about large-scale, strategic transportation models used in Europe, which focused on long-distance models.

D. Software Support

Staff transferred and backed-up data to free up additional space on the travel modeling team's computing servers.

Staff worked with COG's IT department to test the use of computer hard disk technologies that address the potential loss of data due to disk failures. The technologies being considered offer benefits and costs (for example longer travel modeling running times). A memorandum documenting benchmark tests is in formulation.

5. TRAVEL MONITORING

A. Cordon Counts

Staff responded to request for data from the recent HOV report and cordon count report.

B. Congestion Monitoring and Analysis

Staff completed a second review of the 1-second TLAP pilot study report and provided final comments to the consultant. Staff reviewed and provided comments on the Metropolitan Area Transportation Operation Coordination (MATOC) annual report. Staff reviewed the ICF methodology on analyzing the effectiveness of operation strategies for incorporation in the Congestion Management Process Technical Report.

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

No staff work activity during the reporting period.

D. Regional Transportation Data Clearinghouse (RTDC)

Staff received the Round 8.4 Cooperative Forecast data from the networks/models staff to prepare the data for inclusion on the RTDC project page.

Staff continued to collect data on average weekday transit ridership data from regional transit providers.

Staff attended a webinar on using Regional Integrated Transportation Information System (RITIS).

Staff began preparing 2007 traffic count data by hour of day which will be linked to the modeling network.

Staff inquired with Maryland SHA about unexpected structure type data in 2013 HPMS Submittal and received corrected data and reprocessed the 2013 Regional HPMS file.

Staff provided input for TPB's response to the Battelle/FHWA research questionnaire on data management practices.

Staff provided the 2014 VMT by jurisdiction table with MAP-21 performance analysis staff for use in safety analysis.

6. TECHNICAL ASSISTANCE

A. DISTRICT OF COLUMBIA

1. Program Development, Data Requests & Miscellaneous Services

No staff work activity during the reporting period.

2. Traffic Counts and HPMS Support

The November HPMS Coordinating Committee meeting included status updates by TPB Staff on: the short-term counting program, 2014 Traffic Volume Map & Database, FHWA Questionnaire – Assessment of In – And Outsourcing of Practices for Traffic Monitoring Data Collection, and 2015 Traffic Monitoring Program Documentation.

The following October continuous traffic count data were processed reviewed, and assessed for completeness and reasonableness: data from the HERE Stakeholder Application (formerly Traffic.com) stations on DDOT interstate/freeway sections; and, data from the permanent count stations on interstate, freeway, primary arterial, and minor arterial sections. A technical report was subsequently submitted to DDOT field inspection personnel, which was supplemented by October data summaries and notations on missing or questionable data records.

Staff completed the following administrative tasks:

- Provided coordination between DDOT and the Traffic Counting Contractor in order to confirm that clearance was not necessary in order to place a traffic counter near the Chinese Embassy; and,
- Confirmed that counts should not be conducted on Veteran's Day after coordinating with DDOT.

Staff assisted DDOT staff with:

- Review of 41 traffic counts: all of them, minus two, were accepted. The rejected counts will be repeated because one count was conducted at the wrong location, and the other contained a lengthy time interval during which no vehicle activity was recorded.
- Staff began updating the traffic counting program for CY2016-CY2021.

Staff participated in a demonstration of the TxDOT Stars2 Traffic Data System and prepared comments for DDOT.

3. Data Transferal for CLRP and TIP

No staff work activity during the reporting period

4. Transportation Sector Support for the COG Multi-Sector Greenhouse Gas (GHG) Working Group (MSWG)

No staff work activity during the reporting period

5. Other Tasks to be Defined

No staff work activity during the reporting period.

B. MARYLAND

1. Program Development /Management

Staff reviewed the MD Technical Assistance Program with a focus on what work elements are envisioned for the second half of the fiscal year.

2. Project Planning Studies

Building on the work completed in March and April of 2015, staff continued working on the Veirs Mill Road study. Staff coordinated project efforts with MD SHA and project team staff throughout the month of November.

Veirs Mill Road Study is currently in the Alternatives Retained for Detailed Study (ARDS) stage of the process. Staff completed network coding and modeling work in conjunction with the 2040 Alternative 5B forecasts. Subsequently, upon completion of travel demand modeling work and review of results, staff transmitted Alternative 5B highway and transit model summaries, explanation of model results, and model files to MD SHA staff for post-processing.

Staff also completed network coding and modeling work for Alternative 3 and Alternative 5B sensitivity tests designed to provide a range of volumes for the proposed fixed guideway by modeling the alignment using the light rail assumptions.

3. Feasibility/Special Studies

No staff work activity during the reporting period.

4. Transportation Performance Measures

No staff work activity during the reporting period.

5. Training/Miscellaneous Technical Support

No staff work activity during the reporting period.

6. Transportation / Land Use Connections Program (TLC)

No staff work activity during the reporting period.

7. Human Services Transportation Study/ Follow-up and Support

No staff work activity during the reporting period.

8. Transportation Sector Support for the COG Multi-Sector Greenhouse Gas (GHG) Working Group (MSWG)

No staff work activity during the reporting period

9. Other Tasks Yet to Be Defined

No staff work activity during the reporting period.

C. VIRGINIA

1. Program Development and Data/Documentation Processing

Staff attended meetings by governmental entities in Northern Virginia such as NVTA Board, NVTA JACC, and NVTA JACC Transportation Advisory Committee (TAC) for the TransAction update. In addition, staff coordinated with NVTC on technical aspects associated with a traffic count data collections and analysis for the I-66 corridor.

2. Travel Monitoring and Survey

Work continued with the processing and analysis of the data collected in the field and obtained from Arlington County in relation to the I-66 Transit Mode Share study. In parallel to the data analysis, a draft technical report has been developed for review and comments by NVTC and VDOT prior to finalizing it.

3. Travel Demand Modeling

In response to a request from NVTA staff, DTP staff compiled and summarized data for Northern Virginia Transportation Authority planning area for the agency's 2015 Annual Report.

4. Regional and Sub-Regional Studies

Staff attended public meetings in Northern Virginia related to the Transform66 mega project as part of the Public Involvement activities of VDOT and the Commonwealth Transportation Board (CTB).

5. Transportation Support for the COG MSWG

No staff work activity during the reporting period

6. Other Tasks yet to be Defined

No staff work activity during the reporting period.

D. WMATA

1. Program Development

No staff work activity during the reporting period.

2. Miscellaneous Services

No staff work activity during the reporting period.

3. Transportation Support for the COG MSWG

No staff work activity during the reporting period

4. Travel Demand Model Improvements

No staff work activity during the reporting period.

5. 2015 Metrobus Passenger On-Board Survey

No staff work activity during the reporting period.

6. Regional Accessibility Strategy for Paratransit Service

No staff work activity during the reporting period

7. CONTINUOUS AIRPORT SYSTEM PLANNING (CASP) PROGRAM

A. CASP Program

1. 2015 Air Passenger Survey

Staff and the survey contractor completed field data collection for the survey, completed field packet audits, closed down all on-airport activities, and transferred all completed questionnaires to the contractor's offices for data entry and creation of the digital survey data file. The contractor began survey file creation. Staff provided an update on survey activities at the regular meeting of the Aviation Technical Subcommittee meeting on November 19.

2. Update Ground Access Forecasts/Ground Access Element

Staff presented the draft report for the combined Ground Access Forecast and Ground Access Element updates at the regular meeting of the Aviation Technical Subcommittee meeting on November 19.

3. Air Cargo Element Update

Staff continued work on the supply and demand analysis for the Air Cargo Element. Staff provided an update on air cargo activities at the regular Aviation Technical Subcommittee meeting on November 19.

4. Ground Access Travel Time Study

Staff continued processing the continuous data from the Vehicle Probe Project for compilation and analysis of travel times. Staff provided an update on study activities at the regular meeting of the Aviation Technical Subcommittee meeting on November 19.

8. **SERVICES/SPECIAL PROJECTS**

No staff work activity during the reporting period.

**FY 2016 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY**

November 30, 2015

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	73,550.00	30,742.44	42%
B. Transp Improvement Program (TIP)	225,300.00	67,646.49	30%
C. Constrained Long-Range Plan	625,885.00	270,628.68	43%
D. Financial Plan	65,550.00	6,407.45	10%
E. Public Participation	491,060.00	177,318.94	36%
F. Performance-Based Planning for CLRP/TIP	100,000.00	20,696.16	21%
G. Annual Report	83,350.00	24,885.68	30%
H. Transportation/Land Use Connection Program	434,900.00	58,763.03	14%
I. DTP Management	488,333.00	116,581.60	24%
SUBTOTAL	2,587,928.00	773,670.47	30%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	213,150.00	57,092.99	27%
B. Management, Operations, & ITS Planning	429,050.00	153,018.61	36%
C. Emergency Preparedness Planning	78,400.00	31,281.72	40%
D. Transportation Safety Planning	130,100.00	41,460.18	32%
E. Bicycle and Pedestrian Planning	126,250.00	55,142.25	44%
F. Regional Public Transportation Planning	230,600.00	42,586.29	18%
G. Human Service Transportation Coordination	142,700.00	62,010.55	43%
H. Freight Planning	156,050.00	63,197.60	40%
I. MATOC Program Planning Support	124,850.00	35,138.35	28%
SUBTOTAL	1,631,150.00	540,928.54	33%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	590,500.00	357,432.12	61%
B. Mobile Emissions Analysis	714,500.00	231,883.79	32%
C. Regional Studies	587,200.00	304,079.75	52%
D. Coord Coop Forecasting & Transp Planning	839,400.00	317,453.02	38%
SUBTOTAL	2,731,600.00	1,210,848.67	44%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Network Development	800,800.00	252,283.07	32%
B. GIS Technical Support	571,000.00	219,808.03	38%
C. Models Development	1,214,500.00	415,572.92	34%
D. Software Support	186,200.00	63,707.62	34%
SUBTOTAL	2,772,500.00	951,371.64	34%
5. TRAVEL MONITORING			
A. Cordon Counts	261,000.00	66,803.08	26%
B. Congestion Monitoring and Analysis	389,100.00	114,640.61	29%
C. Travel Surveys and Analysis Household Travel Survey	1,959,800.00	35,559.40	2%
D. Regional Transportation Data Clearinghouse	330,700.00	48,888.75	15%
SUBTOTAL	2,940,600.00	265,891.84	9%
SUBTOTAL CORE PROGRAM ITEMS 1-5	12,663,778.00	3,742,711.15	30%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	335,376.00	71,498.39	21%
B. Maryland	688,597.00	50,742.59	7%
C. Virginia	697,899.00	206,686.21	30%
D. WMATA	225,321.00	8,669.41	4%
SUBTOTAL	1,947,193.00	337,596.62	17%
TPB GRAND TOTAL	14,610,971.00	4,080,307.75	28%

**FY 2016 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**

November 30, 2015
SUPPLEMENT I

	TOTAL		FTA/STA/LOC		PL FUNDS/LOC	
	AUTHORIZED BUDGET	TOTAL EXPENDITURES	AUTHORIZED BUDGET	FTA EXPENDITURES	AUTHORIZED BUDGET	FHWA EXPENDITURES
A. District of Columbia						
1. Data Request & Misc SVCS	10,000.00	778.64	1,515.23	117.98	8,484.77	660.66
2. DDOT HPMS	235,000.00	61,263.43	35,607.90	9,282.82	199,392.10	51,980.61
3. DDOT Data Transfer	15,000.00	0.00	2,272.84	0.00	12,727.16	0.00
4. DC MSWG Support	15,000.00	9,456.32	2,272.84	1,432.85	12,727.16	8,023.47
5. Data Transfer for CLRP & TIP	60,376.00	0.00	9,148.35	0.00	51,227.65	0.00
6. Other Tasks to be defined	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL	335,376.00	71,498.39	50,817.17	10,833.65	284,558.83	60,664.74
B. Maryland						
1. MD Program Development	18,000.00	5,319.96	2,727.41	806.10	15,272.59	4,513.86
2. Project Planning Studies	90,000.00	34,813.95	13,637.07	5,275.11	76,362.93	29,538.84
3. Feasibility / Special Studies	90,000.00	0.00	13,637.07	0.00	76,362.93	0.00
4. Transportation Performance Measures	80,000.00	936.74	12,121.84	141.94	67,878.16	794.80
5. Training Misc. Tech Support	50,000.00	215.62	7,576.15	32.67	42,423.85	182.95
6. Statewide Transp/ Model Support	0.00	0.00	0.00	0.00	0.00	0.00
7. Trnsnp. Landuse Connections	160,000.00	0.00	24,243.68	0.00	135,756.32	0.00
8. Human Service Trnsnp. Study	20,000.00	0.00	3,030.46	0.00	16,969.54	0.00
9. MSWG Support	15,000.00	9,456.32	2,272.84	1,432.85	12,727.16	8,023.47
10. Other Tasks to be defined	165,597.00	0.00	25,091.75	0.00	140,505.25	0.00
SUBTOTAL	688,597.00	50,742.59	104,338.26	7,688.67	584,258.74	43,053.92
C. Virginia						
1. VA Data Documentation	15,000.00	12,978.07	2,272.84	1,966.48	12,727.16	11,011.59
2. FY16 Travel Monitoring	120,000.00	116,784.84	18,182.76	17,695.59	101,817.24	99,089.25
3. FY16 Travel Demand Modeling	120,000.00	5,931.60	18,182.76	898.77	101,817.24	5,032.83
4. FY16 Regional Sub Region Study	119,899.00	61,535.38	18,167.45	9,324.02	101,731.55	52,211.36
5. MSWG Support	15,000.00	9,456.32	2,272.84	1,432.85	12,727.16	8,023.47
6. Other Tasks to be defined	308,000.00	0.00	46,669.07	0.00	261,330.93	0.00
SUBTOTAL	697,899.00	206,686.21	105,747.73	31,317.71	592,151.27	175,368.50
D. WMATA						
1. WMATA Program Development	5,000.00	308.38	5,000.00	308.38	0.00	0.00
2. Misc. Services	5,000.00	925.15	5,000.00	925.15	0.00	0.00
3. 2015 Metrobus Passenger On-Board Survey	24,100.00	3,152.11	24,100.00	3,152.11	0.00	0.00
4. MSWG Support	5,000.00	0.00	5,000.00	0.00	0.00	0.00
5. Model Development for Transit	90,121.00	0.00	90,121.00	0.00	0.00	0.00
6. Paratransit Study	96,100.00	4,283.77	96,100.00	4,283.77	0.00	0.00
7. WMATA Other Tasks to be defined	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL	225,321.00	8,669.41	225,321.00	8,669.41	0.00	0.00
GRAND TOTAL	1,947,193.00	337,596.60	486,224.16	58,509.44	1,460,968.84	279,087.16