

FY 2016



National Capital Region
Transportation Planning Board

Work Program Progress Report
OCTOBER • 2015

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1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

The progress report for September on UPWP work activities was prepared. Staff compiled information for an amendment to the FY 2016 UPWP that will be scheduled for approval in November.

B. Transportation Improvement Program (TIP)

At its October 2 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 MD 355/Urbana Pike Bridge Replacement Project. The second amendment was requested by the Virginia Department of Transportation (VDOT) to include funding for the Potomac Heritage Trail in the Recreational Trails Project Grouping and the Army Navy Drive Complete Street Bicycle/Pedestrian Improvements in the Federal Lands Highway Project Grouping.

At its meeting on October 21, the TPB approved an amendment to the FY 2015-2020 TIP to include new and updated funding information for 18 projects in the Northern Virginia portion of the TIP.

During the month of October, TPB staff processed three administrative modifications to the TIP, including one for MDOT and two for VDOT.

C. Constrained Long-Range Plan (CLRP)

At its meeting on October 2, the TPB Technical Committee was briefed on the draft 2015 CLRP amendment.

The 30-day public comment period on the 2015 CLRP amendment closed on October 10. More than 75 comments were received. TPB staff worked with representatives from the implementing agencies to develop a set of responses to the comments. These comments and the responses were presented to the members of the TPB at the meeting on October 21. At this same meeting, the TPB was presented with a draft brochure documenting the 2015 CLRP Amendment and the air quality and performance analyses. The TPB approved the 2015 CLRP Amendment at the same meeting.

D. Financial Plan

The financial summaries in the FY 2015-2020 TIP were reviewed and updated as administrative modifications and TIP amendments were approved. The 2014 CLRP Financial Analysis information was used for supporting work for the Unfunded Capital Needs Working Group.

E. Public Participation

Staff conducted the 15th session of the TPB's Community Leadership Institute on October 7, 14, and 21. The session brought together more than 20 participants in experiential learning activities and group discussions to better understand how transportation decisions are made throughout the Washington region, including at the local, state, and regional levels.

The 30-day public comment period for the 2015 CLRP Amendment ended on October 10. Staff developed responses to the comments received, which were made available on the TPB website. As part of the public comment period, staff coordinated public participation activities, which included the development of a summary brochure and a new website on the draft amendment.

At its October meeting, the Citizens Advisory Committee (CAC) discussed the upcoming TPB agenda, public comment on the 2015 CLRP, and the Unfunded Capital Needs working group. The committee also focused on transportation safety, with a presentation on the "Street Smart" education safety campaign and a discussion about eliminating traffic deaths in the region.

Staff continued work activities to commemorate the TPB's 50th anniversary later this year. Among other preparations, staff continued working with a consultant on the development of a video to commemorate the occasion. Events are planned for November and December.

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.

During the month of October, staff held a conference call for members of the Access for All Advisory Committee and the Human Service Transportation Coordination Task Force to get comments on the proposal to merge the Task Force into the AFA Committee. The proposal was well received and the next steps entail asking current members to apply to the restructured AFA committee and asking the TPB to approve the restructure and formally appoint members.

F. Performance-Based Planning

On September 30, the proposed rulemaking for Transit Asset Management was published, and staff reviewed the rulemaking. TPB staff conducted preliminary analysis of performance 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.

The *Region* magazine was finalized and printed.

H. Transportation / Land Use Connection Program (TLC)

Staff coordinated a process to select consultants for the nine new TLC projects. Contracts will be finalized in November.

A consultant was hired to conduct an evaluation of the TLC Program. Surveys were distributed to all past recipients. Case studies will be researched in the next stage.

I. DTP Management

The Director's Report was prepared for the October TPB Meeting. Staff support was provided for the October meetings of the TPB, the TPB Steering Committee, the State Technical Working Group and the TPB Technical Committee.

The DTP Director participated in the October MWAQC/TAC Meeting and Executive Committee Conference Call.

The DTP Director participated in the October SSO MSC Support Policy Group Meeting and the TOC Internal Monthly Meeting.

The DTP Director participated in the October Region Forward Meeting.

The DTP Director conferred with the TPB Chairman on the Board-requested presentations on Metro's challenges and the content of the requested presentations scheduled for the November and December TPB meetings.

The DTP Director met with Board member Jay Fisette to discuss his desire to bring forward a TPB resolution relating to the findings of the Multi-Sector Working Group (MSWG) and Greenhouse Gas Reduction in the transportation sector.

The DTP Director conferred with Jim Dinegar of the GWBOT about the scheduled work session on the TPB draft Freight Plan.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

The National Capital Region Congestion Report for the third quarter 2015 was developed, completed and posted on www.mwcog.org/congestion.

The analysis of the transportation impacts of the Pope's September 22-24, 2015 official visit to Washington was completed and published through a special TPB Weekly Report, which drew notable media interest including from the Washington Post and the WTOP.

Staff investigation was continued on new techniques such as "d3 – data-driven documents" to visualize transportation systems performance measures for the enhancement of CMP performance reporting.

On October 13, staff monitored the I-95 Corridor Coalition Vehicle Probe Project (VPP) Suite user group webcast.

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

The October 15, 2015 joint meeting of the MOITS Technical Subcommittee and the Regional Emergency Support Function #1 (RESF-1) Emergency Transportation Committee was organized and conducted. The committees discussed information on the National Capital Region Homeland Security Strategic Plan, including the regional capability assessment with respect to the strategic plan. COG staff and a SKYCOMP representative presented the results of the one-second Time Lapse Aerial Photo (TLAP) pilot study. COG staff presented an analysis of the transportation impacts of the September 2015 Papal visit to Washington. A panel discussion with experts from Johns Hopkins University Applied Physics Lab, Virginia Tech Transportation Institute regarding security vulnerabilities in traffic control systems was conducted.

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.

Following up on a September meeting, staff provided technical input to an October 5 regional ad hoc regional coordination meeting for the implementation of Transit Signal Priority under the ongoing regional TIGER grant.

The annual traffic signals power backup survey was conducted. Staff coordinated with regional agencies to administer the online survey and collect and begin analysis of the results.

C. Transportation Emergency / Security Planning

The October 15, 2015 meeting of the Regional Emergency Support Function 1 - Transportation (RESF-1) Committee was organized and conducted as a joint meeting with the Management Operations and ITS (MOITS) Technical Subcommittee. The Committee discussed information on the National Capital Region Homeland Security Strategic Plan, including the regional capability assessment with respect to the strategic plan. COG staff and SKYCOMP representative presented the results of the one-second Time Lapse Aerial Photo (TLAP) pilot study. COG staff presented an analysis of the transportation impacts of the September 2015 Papal visit to Washington. A panel discussion with experts from Johns Hopkins University Applied Physics Lab, Virginia Tech Transportation Institute regarding security vulnerabilities in traffic control systems was conducted.

D. Transportation Safety Planning

Staff prepared for the upcoming November 3, 2015 meeting of the Transportation Safety Subcommittee. Staff coordinated with presenters to discuss pedestrian safety data in Montgomery County and pavement marking visibility in wet conditions.

Staff worked with the Street Smart Advisory Group to edit Spanish language materials and give radio and television interviews to Spanish language media outlets.

Staff participated in a peer exchange that was a follow up to the Transportation Safety Planning Boot Camp hosted by MDOT in April, 2015. Staff presented information to the other participants on the ongoing coordination 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

Staff presented on the Street Smart campaign results and proposed activities for FY 2016 at meetings of the TPB Technical Committee meeting, and worked with the consultant to prepare a short briefing video. Copies of the Annual Report were distributed to the TPB, and the TPB was advised through a flyer of the date and location of the October 27th Street Smart press event.

Staff also briefed the Citizens Advisory Committee on the Street Smart program at their October 5th meeting, and discussed the process of adoption of regional Complete Streets and Green Streets policies, as a possible example for the adoption of a regional "Vision Zero" or "Towards Zero Deaths" policy.

Staff worked with the consultant and the advisory group, providing technical advice for the fall 2015 Street Smart campaign, including the media plan and the kick-off event. Staff worked with the Safe Routes to School National Partnership to organize, host, and publicize a Safe Routes to School regional meeting, which was to take place on November 5th. Staff prepared a presentation on the Street Smart campaign for the meeting.

Staff planned an agenda and obtained speaker commitments for the November meeting of the bicycle and pedestrian subcommittee.

Work continued on mapping and describing the proposed routes for the regional Bicycle Beltway. Staff used an on-line shared mapping tool to work with Subcommittee members to identify additional proposed segments and associated project information for the proposed inner and outer bicycle beltways.

Staff attended the National Walking Summit, which took place October 28th – 30th in Washington, DC.

F. Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met on October 27. Agenda topics included presentations on the Unfunded Projects Working Group transit projects, the MAP-21 Transit Asset Management Proposed Rulemaking, and WMATA staff on the results of the 2014-2015 Metrobus Survey, and TPB staff on the development 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 October, staff continued to support the solicitation of Enhanced Mobility grant applications which began on August 14. Staff continued to provide technical assistance to interested applicants, including inquiries about project and agency eligibility and assistance with using the online application.

Staff organized and led two pre-applications conferences on October 8 and 16, both held at COG. In early October, staff noted that less than ten applications had been started. Since COG/TPB has over \$5 million in Federal Enhanced Mobility funds to award, staff made an additional outreach efforts to encourage more applications. Staff emailed elected officials in D.C., MD and VA serving on the TPB asking that they forward the grant solicitation to their contacts. Staff also contacted previous 5310 grantees in DC, MD and VA to ensure that they were aware of the solicitation. The October 16 pre-application conference was held based on the requests received as a result of this outreach. Two one-on-one conferences were arranged for organizations not able to attend on October 16.

H. Freight Planning

The October 8, 2015 special web meeting of the TPB Freight Subcommittee was organized and conducted. The meeting's focus was on continuing preparations for the October TPB work session on the policy aspects to be included in the National Capital Region Freight Plan. The meeting plan for the October 21 TPB freight policy work session was also presented to the TPB Technical Committee on October 2.

The October 21 TPB work session focusing on policy input to the Freight Plan was organized and conducted. An extensive discussion by TPB Board members and other stakeholders provided input and direction to staff for the upcoming preparation of a policy element of the regional freight plan. A memorandum summarizing the results work session was prepared. Other enhancement activities also continued on the Draft National Capital Region Freight Plan.

An agenda and briefing materials were developed for the upcoming freight policy-themed TPB Freight Subcommittee meeting scheduled for early November.

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 October 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 October 1 Joint Meeting of the MATOC Information Systems Subcommittee, Operations Subcommittee, and Transit Task Force was organized and conducted, providing the semi-annual information exchange among MATOC's three major technical subcommittees.

The October 8 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.

The October 9 MATOC Steering Committee conference call was organized and conducted, accommodating the monthly opportunity for the MATOC Steering Committee to provide oversight to the MATOC program.

The October 22 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 October 27 semi-annual MATOC Regional Construction Coordination Working Group meeting was organized and conducted, providing an opportunity for information exchange and coordination among major transportation agencies on the schedules and locations for upcoming construction projects.

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 TPB approved the air quality conformity analysis of the 2015 CLRP Amendment and FY 2015-2020 TIP on October 21, 2015. Staff completed the conformity report and posted it on the MWCOG website. The report will be prepared in hard copy next month. Staff has begun preparing an inventory of MOVES inputs and outputs that were produced during the conformity effort.

B. Mobile Emissions Analysis

Staff has continued efforts to develop on-road emissions forecasts for the PM_{2.5} SIP Maintenance Plan Update. This work will include annual emissions estimates for five pollutants PM_{2.5}, NO_x, SO₂, VOC, and NH₃ pollutants for three analysis years (2007, 2017 and 2025). Staff has completed technical analysis of two analysis years (2017 and 2025) and is currently working on the travel modeling for year 2007.

DEP and DTP staff coordinated work efforts with the project consultant regarding the multi-sector greenhouse gas work-group effort currently underway. DEP staff coordinated with DTP staff regarding the October 27 MSWG meeting which included representation from all sectors.

In conjunction with MSWG efforts, staff executed and analyzed travel demand and MOVES runs for multiple scenarios to gain a better understanding of how alternative transportation system and land use scenarios affect trip-making and greenhouse gas emissions. This work is based on the 2014 CLRP and is on-going.

DEP staff has monitored Mid-Atlantic Regional Air Management Association (MARAMA) modeling activities as part of the photochemical modeling exercise for the new ozone and fine particle standards.

DTP staff responded to a request from the Maryland Department of the Environment (MDE) for 2014 vehicle registration data. MDE will use the data for their 2014 Periodic Emissions Inventory (PEI).

DTP staff responded to a data request from the District of Columbia Department of Energy and Environment (DDOE) for 2014 and 2015 travel and non-travel related MOVES2014-formatted files. DDOE will use the data for their 2014 National Emissions Inventory (NEI) submission.

C. Regional Studies

Staff presented the Multi-Sector Working Group (MSWG) Interim Technical Findings to the COG Board. In response to this presentation, the COG Board passed a resolution thanking the MSWG for its work and requested that staff work with a policy level working group composed of elected officials to develop a consensus recommendation on MSWG greenhouse gas (GHG) reduction strategies to be advanced to the COG Board in February 2016.

The consultant prepared a technical memorandum on national-level actions that could assist the region in closing the gap in greenhouse gas (GHG) reductions to reach the COG goal of an 80% reduction in regional GHG emissions by 2050.

The consultant presented national level actions that could assist the region in closing the gap in greenhouse gas (GHG) reductions and explored options for sector goal and targets with the members of the MSWG at a meeting on October 27th.

Staff provided feedback received from the COG on the MSWG's Interim Technical Findings and identified strategies for moving forward to the members of the MSWG at their meeting on October 27th meeting.

A letter endorsing the MTA/Montgomery County grant application for Low-No Emissions Vehicles program funds from the FTA was prepared.

The Unfunded Capital Needs Working Group held its second meeting on October 21. Based upon input from that meeting, staff began the development of a scope of work. In July, TPB Chairman Phil Mendelson appointed a working group to 1) oversee the completion of the draft inventory of unfunded projects, and 2) develop a scope of work for regional planning activities that will use the inventory as the basis for analysis and outreach.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff received, reviewed and analyzed preliminary Round 9.0 jurisdictional level Cooperative Forecasts received from the members of the Cooperative Forecasting Subcommittee. Staff reviewed these preliminary jurisdictional forecasts of future employment, household and population growth with the members of the Cooperative Forecasting Subcommittee at its October 13 meeting.

Staff prepared a technical memorandum documenting a suggested methodology for developing consistent jurisdictional baseline employment estimates for 2015. The technical memorandum was prepared because different jurisdictions were using various methods and sources of data to develop their baseline employment estimates for their preliminary Round 9.0 forecasts.

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 continued work on developing an industry-occupation matrix that will be used in developing industry-occupational group projections as part of the development of the Round 9.0 Cooperative Forecasts. Staff assisted in the preparation of a COG grant application to obtain the funding necessary to procure a subscription to the Labor Insight tool developed by Burning Glass. The Burning Glass subscription will be used in the development of industry-occupational group projections.

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

Staff continued work on updating the economic and demographic data tables for the Region Forward Progress Report.

4. **DEVELOPMENT OF NETWORK / MODELS**

A. Network Development

The network development unit assisted with the development of a year 2007 network that was used in the PM2.5 SIP Update (currently ongoing).

Work on the update of the base year transit network has continued during October. This work will be used to support the development of forecast-year networks for the next air quality conformity analysis (of the 2016 CLRP).

Staff has continued to debug the GIS-based tool for editing and managing transportation networks (COG Tools).

In response to data request from M-NCPPC Montgomery County, staff transmitted a copy of the COGTools software, associated documentation, and a copy of the FY 2015 CLRP geodatabase on October 6. Staff also shared the most recent documentation on COGTools applications program.

B. GIS Technical Support

Staff continued to monitor and manage the operational performance of the ArcGIS server. Staff worked with ESRI technical support staff to verify workflows for hosting TPB web maps and applications containing secure content. Staff provided COG's Information Technology and Facilities Management (ITFM) staff with a list of server/system processes to monitor to ensure continuous/uninterrupted connectivity to GIS software and data.

Staff completed work on the TPB Unfunded Capital Needs geodatabase to ensure correlation between the spatial data and the project submission spreadsheet. Staff created an updated, standardized list of improvement types for projects on the Unfunded Capital Needs list and provided the list for review and comment by other TPB staff working on the project. Staff attended the second meeting of the TPB Unfunded Capital Needs working group.

Staff continued to participate in regularly held meetings of the CLRP project coordination team. Staff completed work on identifying the bicycle and pedestrian projects that are included in the CLRP (as reported by jurisdictional bike/ped staff) and began to assemble the appropriate data to create a web map.

Staff updated datasets in the TPB spatial data library to incorporate recent changes to the administrative boundary between Fairfax County and the City of Falls Church and recent name changes for some COG Regional Activity Centers.

Staff provided Northern Virginia Transportation Commission (NVTC) staff with a dataset containing the TPB TAZs that depict COG Regional Activity Centers. Staff responded to an inquiry from a consultant (AECOM) doing work on the Northern Virginia Transportation Authority's (NVTA) TransAction planning update regarding data availability for unfunded capital needs projects.

Staff assisted a DTP GIS user with troubleshooting an installation of ArcGIS on the travel demand modeling servers.

Staff provided a GIS map of the TPB modeled area to Commuter Connections staff.

Staff assisted the Baltimore Metropolitan Council (BMC) with a question regarding park and ride locations in Baltimore County (part of the Commuter Connections ride sharing area).

Staff provided TAZ, Jurisdictional Boundary, and Cooperative Forecasts data to Dewberry and Davis who are working on a UASI project relating to the region's preparedness for handling debris caused by major storm events.

Staff participated in the October 15 CIO Committee meeting.

C. Models Development

Staff completed a new version of the user's guide to the regional travel demand model (Version 2.3.57a). The travel model was used in the Air Quality Conformity effort that was approved by the TPB on October 21.

Staff completed a memorandum documenting the files and control totals that will accompany data sent to agencies requesting the newly adopted regional travel model. Staff also re-executed all travel model runs to ensure that the modeling outputs are sound and reproducible.

Staff updated the automated procedure used within the travel model to calculate the percentage of each zone within walking distance to transit service. The update ensures that the zone-level file resulting from the procedure is sorted by zone number. Documentation on this work is forthcoming.

The consultant supporting TPB's travel modeling improvement efforts (Cambridge Systematics, Inc.) updated the six FY 2015 end-of-fiscal-year reports to reflect the comments received from TPB staff and members of the Travel Forecasting Subcommittee. Staff teleconferenced with CS on October 28 to discuss planned short-term modeling improvements to the current TPB travel model. These improvements will be documented and presented to the Travel Forecasting Subcommittee in November.

Staff transmitted a memorandum (dated 10/9/15) to WMATA staff that contained feedback on WMATA's recent scenario analysis, which WMATA presented to the TFS on July 17.

Staff responded to six technical data requests from state and local planning agencies (or from consultants). These included requests for the newly adopted regional travel demand model or for selected outputs of the model.

Staff attended a Travel Model Improvement (TMIP) webinar about large-scale, strategic transportation models used in Europe on 10/22/15.

D. Software Support

Staff collaborated with COG IT staff to test the performance of a new travel model server (computer) that was purchased during FY 2015. Some effort was deemed necessary to ensure that the server performance was meeting expectations. Documentation of results will be completed November.

5. TRAVEL MONITORING

A. Cordon Counts

Staff completed the final 2014 Regional HOV Report.

B. Congestion Monitoring and Analysis

A PowerPoint presentation of the One-Second Time Lapse Aerial Photo (TLAP) Pilot Study with imbedded video was prepared by staff and presented to the MOITS Technical Subcommittee on October 15, 2015. Staff completed review of the draft 1-second TLAP pilot study report and provided comments to the consultant.

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

No staff work activity during the reporting period.

D. Regional Transportation Data Clearinghouse (RTDC)

Staff updated the ArcGIS Online content item "TPB TAZ Depiction of COG Activity Centers" for future inclusion on the RTDC Open Data site.

Staff updated the ArcGIS Online content item "The 2015 CLRP Amendment" for the CLRP web map application.

Staff completed the programming to summarize 2013 permanent traffic counting station (PCS) data by month and day-of-week. In addition, staff reviewed the PCS to network link assignments and provided the resulting spreadsheet to Travel Forecasting team staff.

Staff provided a current HPMS geodatabase to DDOT staff, continued to receive 2014 PCS data from VDOT, and obtained the HPMS submittals files for DC, MD, VA, and WV 2014 from FHWA.

Staff provided classification counts in the vicinity of the State Department for a DDOT study.

6. TECHNICAL ASSISTANCE

A. DISTRICT OF COLUMBIA

1. Program Development, Data Requests & Miscellaneous Services

Staff responded to a data request by a DDOT consultant working on the Armed Forces Retirement Home transportation planning study.

2. Traffic Counts and HPMS Support

The October HPMS Coordinating Committee meeting included status updates by TPB staff on: the short-term counting program, traffic volumes observed at permanent count stations; 2014 Traffic Volume Map as work continues on the map itself and the corresponding database; and 2015 Traffic Monitoring Program Documentation.

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

Staff completed the following administrative tasks:

- Developed an agenda for the October HPMS Coordinating Committee meeting, attended the meeting and subsequently drafted the meeting minutes
- Assigned ramp, volume and classification counts to the short-term counting contractor, an assignment that has a November 20, 2015 delivery deadline
- Review started on thirteen 2-day ramp and six 7- day classification counts
- Facilitated coordination between DDOT and the Traffic Counting Contractor seeking to obtain clearance for placement of a counting device on: (a) a roadway segment located between the Court of Appeals, Metro Police and the Superior Court of DC, and ; and (b) a roadway segment under the jurisdiction of the US Capitol Police Board
- Distributed a draft 2015 Traffic Monitoring System Report Documentation to the HPMS Coordinating Committee for comment at the end of the comment review period
- Coordinated responses with DDOT pertaining to the HPMS program upon receiving a questionnaire from the Battelle Memorial Institute
- Inquired if DDOT would like the 2014 Count Archive files to be transmitted to Howard University

Staff responded to request for technical assistance pertaining to:

- How Weigh in Motion (WIM) station data is being used by the HPMS Coordinating Committee
- Review of a preliminary draft proposal of monthly time and resource requirements to undertake new HPMS initiatives. Staff yielded to DDOT as the appropriate entity to assess and initiate potential future new HPMS initiatives

The 2014 HPMS submittal was accepted by FHWA.

3. DDOT Data Transfer

No staff work activity during the reporting period.

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

The consultant prepared a technical memorandum on national level actions that could assist the region in closing the gap in greenhouse gas (GHG) reductions to reach the COG goal of an 80% reduction in regional GHG emissions by 2050.

5. Automatic Transferal for CLRP, Conformity and TIP Data

No staff work activity during the reporting period.

6. Other Tasks to be Defined

No staff work activity during the reporting period.

B. MARYLAND

1. Program Development /Management

Staff responded to inquiries from MDOT/MTA staff pertaining to select technical elements of the on-going BRT planning studies and continued coordination with MD SHA.

2. Project Planning Studies

Building on the work completed in March and April of 2015, work continued on alternatives of the planned BRT transit service on Veirs Mill Road and MD 355 studies.

The Veirs Mill Road corridor study is currently in the Alternatives Retained for Detailed Study (ARDS) stage of project development, which required from TPB staff the following: (a) network coding, travel demand model runs, review and QA/QC of the outputs for Alternative 3 (planning horizon year 2040); (b) organization/packaging and transmittal of the outputs of Alternative 3, which consisted of highway and transit model summaries; (c) documentation of the model results and transmittal of the model files to MD SHA for subsequent post-processing by consultants. Network coding for Alternative 5B was also completed.

The MD 355 corridor study is currently in the "Purpose-and-Need" stage of project development. Upon request by MTA, files necessary to execute 2014 Validation and 2040 No-Build travel demand model runs were retrieved, subjected to QA/QC review, and transmitted.

3. Feasibility/Special Studies
No staff work activity during the reporting period.
4. Transportation Performance Measures
Staff responded to a data request from MD SHA regarding potential supplemental work associated with a performance analyses of the I-270 HOV lanes. In addition, half of the cost of computer hardware purchase, needed for completion of work associated with this task, was underwritten by this work task.
5. Training/Miscellaneous Technical Support
No staff work activity during the reporting period. Nominal telephone charges were underwritten by this work task.
6. Statewide Transportation Model Support
No staff 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 were 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-up and Support
No staff work activity during the reporting period.
9. Transportation Sector Support for the COG Multi-Sector Greenhouse Gas (GHG) Working Group (MSWG)
The consultant prepared a technical memorandum on national level actions that could assist the region in closing the gap in greenhouse gas (GHG) reductions to reach the COG goal of an 80% reduction in regional GHG emissions by 2050.
10. 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
Vehicle counts, transit ridership surveys and pedestrian/bike counts were undertaken in several locations in the I-66 corridor in Northern Virginia. In addition, transit ridership data were requested from operators of commuter buses (i.e., Fairfax Connector, Loudoun County Transit and PRTC Omni Ride), and pedestrian count data from Arlington County as part of a technical analysis to estimate a

transit mode share for the morning commuter peak period in the I-66 corridor. The data will subsequently analyzed and documented in a technical report.

3. Travel Demand Modeling

In response to a request from VDOT, TPB staff attended a Northern Virginia Agencies Modeling Group meeting and commented on the transit modeling methodology proposed by a consultant in conjunction with HB 599 modeling efforts.

4. Regional and Sub-Regional Studies

Staff responded to a data request from NVRTA for select data from the 2015 CLRP travel demand model runs and air quality conformity analyses modeling in order to update its annual report. Staff also responded to data requests from consultants updating the Northern Virginia TransAction, by retrieving and submitting project data from DTP's unfunded project list, and 2014 vehicle registration databases used in the 2015 CLRP air quality conformity analyses. In addition, staff attended VDOT public meetings associated with the I-66 corridor planning study (inside and outside the Beltway).

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

The consultant prepared a technical memorandum on national level actions that could assist the region in closing the gap in greenhouse gas (GHG) reductions to reach the COG goal of an 80% reduction in regional GHG emissions by 2050.

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

TPB and WMATA staff continued discussion of a series of presentation to be made at the Board's request to gain an understanding of what WMATA's needs are now and for the future, what are the current issues, where does the region stand in meeting those needs, and how TPB can play a constructive role in supporting WMATA.

3. 2015 Metrobus Passenger On-Board Survey

No staff work activity during the reporting period.

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

The consultant prepared a technical memorandum on national level actions that could assist the region in closing the gap in greenhouse gas (GHG) reductions to reach the COG goal of an 80% reduction in regional GHG emissions by 2050.

5. Travel Demand Model Improvements

No staff work activity during the reporting period.

6. Regional Accessibility Strategy for Paratransit Service

No staff work activity during the reporting period.

7. Other Tasks Yet to be Defined

No staff work activity during the reporting period.

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

A. CASP 27

1. 2015 Air Passenger Survey

Staff received the printed survey questionnaires and prepared all survey flights packets and delivered all survey materials to the airport field offices. Staff conducted training for the contractor's field staff at BWI on October 7 and at DCA and IAD on October 8. Field data collection began on October 9 and continued through the end of the initial survey period on October 22, and then as needed for making up missed or failed flights. Staff checked upcoming flight statuses in the OAG and prepared resurvey packets and delivered them to all three airports as needed. Staff conducted periodic audits of completed contractor flight packets at the airport field offices as needed and released acceptable completed survey packets to the contractor for transfer to their main office to begin data entry / survey file creation. Staff assisted the contractor with field data collection as needed, specifically for one international flight at IAD due to linguistic advantage, and at DCA to overcome insufficient staff availability for the survey contractor.

2. Update Ground Access Forecasts/Ground Access Element

Staff began work on the final combined report, including the accessibility analysis in the Ground Access Element.

3. Air Cargo Element Update

Staff continued work on the supply analysis for the Air Cargo Element.

4. Ground Access Travel Time Study

Staff began downloading the continuous data from the Vehicle Probe Project site for compilation and analysis of travel times.

8. **SERVICES/SPECIAL PROJECTS**

No staff work activity during the reporting period.

**FY 2016 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
October 31, 2015**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	73,550.00	28,509.48	39%
B. Transp Improvement Program (TIP)	225,300.00	56,077.18	25%
C. Constrained Long-Range Plan	625,885.00	241,067.78	39%
D. Financial Plan	65,550.00	6,099.07	9%
E. Public Participation	491,060.00	134,931.26	27%
F. Performance-Based Planning for CLRP/TIP	100,000.00	14,619.11	15%
G. Annual Report	83,350.00	10,211.97	12%
H. Transportation/Land Use Connection Program	434,900.00	49,504.71	11%
I. DTP Management	488,333.00	98,143.37	20%
SUBTOTAL	2,587,928.00	639,163.93	25%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	213,150.00	45,950.07	22%
B. Management, Operations, & ITS Planning	429,050.00	128,513.52	30%
C. Emergency Preparedness Planning	78,400.00	26,596.53	34%
D. Transportation Safety Planning	130,100.00	34,621.06	27%
E. Bicycle and Pedestrian Planning	126,250.00	44,655.51	35%
F. Regional Public Transportation Planning	230,600.00	33,912.08	15%
G. Human Service Transportation Coordination	142,700.00	47,007.62	33%
H. Freight Planning	156,050.00	54,313.02	35%
I. MATOC Program Planning Support	124,850.00	30,092.64	24%
SUBTOTAL	1,631,150.00	445,662.04	27%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	590,500.00	342,294.80	58%
B. Mobile Emissions Analysis	714,500.00	174,242.90	24%
C. Regional Studies	587,200.00	235,865.22	40%
D. Coord Coop Forecasting & Transp Planning	839,400.00	252,593.86	30%
SUBTOTAL	2,731,600.00	1,004,996.78	37%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Network Development	800,800.00	212,197.28	26%
B. GIS Technical Support	571,000.00	192,126.04	34%
C. Models Development	1,214,500.00	351,049.63	29%
D. Software Support	186,200.00	51,873.02	28%
SUBTOTAL	2,772,500.00	807,245.97	29%
5. TRAVEL MONITORING			
A. Cordon Counts	261,000.00	65,043.88	25%
B. Congestion Monitoring and Analysis	389,100.00	93,651.61	24%
C. Travel Surveys and Analysis Household Travel Survey	1,959,800.00	35,559.40	2%
D. Regional Transportation Data Clearinghouse	330,700.00	40,820.59	12%
SUBTOTAL	2,940,600.00	235,075.47	8%
SUBTOTAL CORE PROGRAM ITEMS 1-5	12,663,778.00	3,132,144.19	25%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	335,376.00	56,701.02	17%
B. Maryland	688,597.00	41,368.45	6%
C. Virginia	697,899.00	172,688.84	25%
D. WMATA	225,321.00	8,539.62	4%
SUBTOTAL	1,947,193.00	279,297.94	14%
TPB GRAND TOTAL	14,610,971.00	3,411,442.11	23%

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

October 31, 2015
SUPPLEMENT 1

	TOTAL AUTHORIZED BUDGET	TOTAL EXPENDITURES	FTA/STA/LOC AUTHORIZED BUDGET	FTA EXPENDITURES	PL FUNDS/LOC 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	46,466.06	35,607.90	7,040.68	199,392.10	39,425.38
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 Transferal 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	56,701.02	50,817.17	8,591.51	284,558.83	48,109.52
B. Maryland						
1. MD Program Development	18,000.00	5,319.96	2,727.41	806.10	15,272.59	4,513.86
2. Projectr Planning Studies	90,000.00	25,484.32	13,637.07	3,861.46	76,362.93	21,622.86
3. Fesibility / 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	171.11	7,576.15	25.93	42,423.85	145.18
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	41,368.45	104,338.26	6,268.27	584,258.74	35,100.18
C. Virginia						
1. VA Data Documentation	15,000.00	9,211.12	2,272.84	1,395.70	12,727.16	7,815.42
2. FY16 Travel Monitoring	120,000.00	88,192.22	18,182.76	13,363.15	101,817.24	74,829.07
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	59,897.58	18,167.45	9,075.86	101,731.55	50,821.72
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	172,688.84	105,747.73	26,166.33	592,151.27	146,522.51
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	4,153.97	96,100.00	4,153.97	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	8,539.62	225,321.00	8,539.62	0.00	0.00
GRAND TOTAL	1,947,195.00	279,297.92	486,224.16	49,565.72	1,460,968.84	229,732.20