

FY 2016



National Capital Region
Transportation Planning Board

Work Program Progress Report
MAY • 2016

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)

Staff monitored work program activities and expenditures in relation to work program budgets. The progress report for April on UPWP work activities was prepared. Staff reviewed monthly invoices going to each of the state agencies administering TPB planning funding. Staff conducted a variety of activities to prepare for the finalization of the fiscal year.

B. Transportation Improvement Program (TIP)

During the month of April, staff processed one administrative modification for DDOT.

C. Constrained Long-Range Plan (CLRP)

The CLRP Coordination staff team met to monitor the progress of the air quality conformity analysis, and the implications for the performance analysis, public involvement activities, and final documentation of the CLRP.

D. Financial Plan

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

E. Public Participation

At the Citizens Advisory Committee meeting on May 12, the committee was briefed on the Transportation/Land-Use Connections (TLC) program and the proposed approach for evaluating TPB participation activities. The committee was also briefed on the Long-Range Plan Task Force meetings and discussed the role that the CAC could play in organizing public outreach for that planning process.

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

Staff continued development of an evaluation process for the TPB's public participation activities.

Staff recruited new members for a restructured Access for All Advisory Committee. The new committee is scheduled to meet in June.

F. Performance Based Planning

TPB staff continued tracking performance measurement notices by USDOT and other performance provisions activities. At the May Technical Committee meeting, attendees were briefed on the draft rulemaking for the System Performance Measures Rule (Congestion, Air Quality, and Freight). TPB staff also continued to refine data for the performance measures for the TPB metropolitan planning area in the categories of Highway Safety and Highways Condition: Pavement and Bridge. On May 27, the final Metropolitan and Statewide Planning rule was published, and staff began review and preparation of a memo and presentation on the rulemaking for the June Technical Committee meeting.

G. TPB Annual Report and TPB News

The new *TPB News* newsletter was produced and distributed on a bi-weekly basis. The newsletter is web-based and has consolidated two previous publications – the monthly TPB

News, which provided a summary of the previous TPB board meeting, and the TPB Weekly Report, which provided fact-filled short reports on topics of interest.

Staff continued work on the 2016 Region magazine. A designer provided a draft layout for review.

H. Transportation / Land Use Connection Program (TLC)

At its May meeting, the TPB approved eight projects for funding through the Transportation Land-Use Connections (TLC) Program. The projects were recommended by a selection panel that was convened in April. Following TPB approval of the projects, staff began the process to solicit consultants for the projects.

Work continued on the eight TLC projects funded for FY 2016.

I. DTP Management

Staff support was provided for the April meetings of the TPB, the TPB Steering Committee, the State Technical Working Group and the TPB Technical Committee. Staff monitored work program activities and expenditures in relation to work program budgets. Staff reviewed monthly invoices going to each of the state agencies administering TPB planning funding. Support activities from the administrative staffs included: meeting logistics with meeting rooms and amenities, copying and distribution of meeting materials, email/phone call follow ups.

DTP administrative staff assisted in setting up all committee, subcommittee and other special committee meetings conducted during April.

The TPB Staff Director was engaged in a number of activities during the month including the following:

- Discussions, review and finalization of the agenda topics for the TPB's Technical Committee, State Transportation Working Group (STWG) and Board meetings. This includes meeting with the Program Directors and project staffs to review the progress and briefing matter.
- Participation in the STWG and TPB Board meetings. Additionally, lead the staff work activity for the Long Range Plan Task Force and participated in the Task Force's meeting.
- Participation of the TPB's Citizens Advisory Committee meeting and reviewing items for the TPB agenda with the TPB Chairman.
- Leading the preparation and presentation (on a one-on-one basis to selected Planning Directors/staffs of the region's jurisdictions) of the staff's proposed enhanced analysis of the CLP's for Environmental Justices considerations.
- Participation in the bi-weekly meetings of the State Safety Oversight/Metro Safety Commission (SSO/MSO) Policy Work Group meetings. This "tri-state" group is working to reconstitute the existing Metro rail safety oversight Committee to comply with the requirement of the FAST Act. Attended a working lunch meeting of the MSC Policy staffs and representatives of the VA and MD General Assembly and the District's Council to review the approach for the legislative document (Compact) that would need to be adopted and enacted in MD, VA and the District.
- Discussions with TPB staff and with DDOT and WMATA staffs about WMATA's SafeTrack work plan which calls for significant rail service reductions and/or rails stations closures over a 10-month period starting June 2016. Discussions led to DDOT hosting the first regional forum of multiple agencies from all "three states" to convene and review their plans and share points of contact for coordination, consultation and cooperation in developing, implementing and monitoring mitigation actions for travelers during the

implementation of SafeTrack.

- Meeting with media representatives (Mr. Bob McCartney of the Washington Post and Mr. Martin Di Caro of WAMU radio) to review WMATA's SafeTrack program and discuss the potential impacts and possible mitigation actions the region's transportation agencies could take during this period.
- Continuing discussions and providing technical assistance to the COG and Greater Washington Board of Trade (BOT) senior staffs on the regional initiative to thoroughly review and discuss the funding and governance related issues in light of the safety and service reliability issues currently being faced by WMATA. Meeting with representatives of WMATA and the office of the Chief Financial Officer of the District of Columbia to discuss data needs and potential technical analysis associated with funding needs at WMATA.
- The DTP Director participated in COG's Board meeting.
- Attending a public event hosted by the Council of the City of Alexandria dedicating a plaque to honor the service and accomplishments of later TPB staff Director Mr. Ronald Kirby alongside the Woodrow Wilson Bridge.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

A preliminary draft of the 2016 Congestion Management Process Technical Report was completed and an internal review was initiated.

An analysis of the traffic condition of the week leading to the Memorial Day Holiday was conducted and completed. A featured [TPB News article](#) on this topic was released on May 24. Traffic condition was summarized and reported by TPB's twitter account multiple times on Thursday before the holiday.

The first regional discussion of the System Performance/Freight/CMAQ NPRM released on April 22 was conducted on the May 13 MOITS Technical Subcommittee and the Vehicle Probe Data User Group joint meeting.

Staff started to study the Congestion Management Process portion of the Metropolitan Transportation Planning final rule released on May 27.

On May 1-4, staff participated in the North American Travel Monitoring Exposition and Conference (NATMEC) in Miami, FL. On May 10, staff monitored the National Performance Management Research Data Set (NPMRDS) quarterly webinar. On May 11, staff monitored the I-95 Corridor Coalition Traffic Message Channel (TMC) Code Webcast. On May 12, staff attended the University of Maryland Center for Advanced Transportation Technology Laboratory (CATT Lab) PM3 NPRM Performance Measure Calculations webcast. On May 18, staff participated in the Automated Vehicle Policy and Regulation: A State Perspective Workshop at the University of Maryland. On May 27, staff joined a Local Motors Autonomous 3-D Printed Car Shop Private and Pre-Grand Opening Tour at the National Harbor, MD.

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

The May 13, 2016 joint meeting of the MOITS Technical Subcommittee with the Vehicle Probe Data Users Group was organized and conducted. The Subcommittee received information and provided input on MOITS-related aspects of the recently-announced Metrorail SafeTrack track work plan to improve Metrorail safety and restore service reliability; the MAP-21 System Performance Notice of Proposed Rulemaking (NPRM) released on April 22, 2016 regarding congestion and system performance; MAP-21 and

National Performance Measure Research Data Set analytic tools; and a Virginia Transportation Research Council analysis of the I-66 Active Traffic Management (ATM) system.

Staff participated in meetings of the Northern Virginia East-West Corridor Integrated Corridor Management study, May 3 in Reston, Virginia, providing input on technology and operations issues.

In conjunction with the regional TIGER grant, staff participated in the monthly TIGER coordination meeting and biweekly conference call on transit signal priority implementation. Staff participated in the demonstration of transit signal priority operations on site in the City of Falls Church on May 18.

Staff attended the Northern Virginia signal managers meeting at VDOT on May 26 to discuss the mitigation strategies to be employed by VDOT and local agencies to deal with WMATA's upcoming SafeTrack work.

C. Transportation Emergency / Security Planning

Information sharing and preparations for the June meeting of the Regional Emergency Support Function 1 (RESF-1) Committee continued. Staff continued to track the progress of the UASI funded Traffic Signals Power Backup Project and prepared a progress report for the May meeting of the committee. RESF-1 meeting was held on May 17 and the committee reviewed the Transportation Annex to the Regional Emergency Coordination Plan, WMATA's Safe Track Program and existing UASI grants. Staff attended the May 11 meeting of the Emergency Preparedness Council.

D. Transportation Safety Planning

Staff briefed the May 17 Bicycle and Pedestrian Subcommittee on the recently released Safety Performance Measure final rule and Highway Safety Improvement Program final rule, including MPO requirements.

Staff coordinated with the Citizens Advisory Committee and member jurisdictions on the recommendation for a regional goal to eliminate all traffic fatalities.

Crash data from member jurisdictions was compiled and analyzed toward developing the regional safety picture report.

E. Bicycle and Pedestrian Planning

The Bicycle and Pedestrian Subcommittee's short list of unfunded projects was presented to the TPB Technical Committee at their May 1 meeting, and to the TPB at their May 18 meeting.

The May 17 meeting of the Bicycle and Pedestrian Subcommittee was organized and conducted. WMATA staff briefed the Subcommittee on Safetrack, an urgent twelve-month maintenance plan which is expected to cause major service reductions and disruptions, and requested the assistance of the Subcommittee in mitigating the effects. The Subcommittee discussed possible mitigation measures, including signed alternate walk and bike routes for affected Metrorail segments, additional bike parking, and bike convoys based on the bike to work day routes, as well as COG's role in distributing information on alternatives to Metrorail to the public during Safetrack.

The Subcommittee was briefed on the new MAP-21 safety performance measure final rule, which includes new reporting requirements for crashes on trails.

The Subcommittee discussed a proposal to conclude the work of the Bicycle Beltway Working Group by adopting the inner route as identified in the National Park Service Paved Trails Study. The Subcommittee suggested that staff draft a formal resolution to that effect, to be adopted at the July meeting.

Staff briefed the Subcommittee on upcoming update of the regional bicycle and pedestrian project database, which is the basis of the regional Bicycle and Pedestrian Plan.

In conjunction with the UPWP effort to identify regional bicycle circumferential routes, staff continued coordination continued with the National Park Service/Washington Area Bicyclist Association Regional Trails Coalition (RTC). Staff participated in the May 23 meeting of the RTC Trail Analytics Working Group, which developed draft criteria for including a trail in the regional network. Staff also participated in the Capital Trails Coalition governance working group meeting on April 24.

Preparations continued for a planned TPB-sponsored June 29 workshop on the FHWA and Massachusetts DOT Separated Bike Lane Planning and Design Guides, including identification of potential speakers from Federal Highway, Toole Design, and local jurisdictions, and preparation of a draft agenda, and a Save the Date flyer and registration link.

F. Regional Public Transportation Planning

The Regional Public Transportation Subcommittee did not meet in May. TPB staff provided support for the development of information and materials for the next COG – BOT Metro Forum, scheduled for June 13. TPB staff also worked to complete FTA planning requirements for the restructured FY 2017 UPWP.

TPB staff coordinated the collection of information and materials for the WMATA SafeTrack safety surges, as well as testimony by the TPB Chair to the US House of Representatives' Subcommittee on Highways and Transit.

G. Human Service Transportation Coordination

During the month of May, the call for applications to solicit members of the reconfigured the Access for All Advisory Committee remained open. Staff conducted outreach to past AFA members and TPB members to ensure representation from different parts of the region and from a range of traditionally-disadvantaged populations. Staff reviewed the applications received and drafted a list of AFA members and ex-officio members. The TPB Officers were asked to concur with a list of AFA members, and preparations were made for presentation of the membership to the Steering Committee on June 3. Staff met with the new Chair of the AFA, Councilmember Charles Allen and his staff, to brief him on the AFA committee and potential meeting topics.

H. Freight Planning

The regularly scheduled May 5, 2016 TPB Freight Subcommittee meeting was organized and conducted. This truck route signage themed meeting featured a presentation by the District Department of Transportation on their new Freight Route Signage Plan.

Staff briefed the May 6 TPB Technical Committee on the status of the draft regional freight plan.

Staff participated as facilitator for the May 2 second Freight Forum of the Northern Virginia East-West Integrated Corridor Management (ICM) effort. Participants in the Forum identified and discussed potential freight-specific solutions for the study area.

The draft version of the Regional Freight Plan was completed, and presentation materials for the June TPB Technical Committee meeting were prepared, toward an anticipated July approval of the final plan by the TPB.

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 under this task.

The May 6 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.

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

Technical work supporting the air quality analysis of the 2016 CLRP and FY2017-2022 TIP has progressed during May. Staff has prepared inputs to the travel demand including land activity (Round 9.0 Cooperative Forecasts) and exogenous (external, through and non-resident) travel demand. Staff has also implemented and tested minor refinements to the currently adopted travel demand model. Travel modeling work will begin in earnest during June. Staff will execute travel models in a year-to-year sequence, beginning with the near-term milestone years (2016 and 2017) and ending at the milestone year 2040.

Staff prepared inputs and conducted tests of EPA's newly issued mobile emissions model (MOVES2014a) which will be used in the air quality analysis of the regional transportation Plan. The tests analyzed the impact of recently updated urban/rural VMT proportions that have been issued by state DOTs and will be assumed in forthcoming emissions modeling. Staff also compared existing vehicle population forecasts used in mobile emissions modeling with a somewhat related measure, household vehicles available, from the travel demand model. The comparison was analyzed to ensure that the projected growth of the two related metrics were reasonably consistent. These activities were documented in memoranda.

In coordination with COG DEP and the regional state air agencies, staff received guidance on non-transportation inputs to the MOVES2014a mobile emissions modeling.

Staff attended a webinar sponsored by FHWA on the subject of CMAQ reporting requirements associated with newly issued federal requirements.

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

B. MOBILE EMISSIONS ANALYSIS

DTP staff coordinated with COG DEP staff on the planned timeline for the proposed 2008 ozone NAAQS redesignation request and maintenance plan, which will occur during the next fiscal year (FY 2017).

Staff monitored MARAMA MOVES modeling activities as part of the photochemical modeling exercise for the new ozone and fine particle standards.

In response to a data request from DDOT, staff transmitted the most currently adopted mobile emissions rates for NO_x, VOC and GHG. This information was sought to update CMAQ project evaluation procedures.

In response to a data request from DEP staff, DTP staff transmitted VMT and mobile emissions estimates data for Montgomery County from the currently adopted Plan (2015 CLRP).

TPB staff communicated and coordinated with Baltimore Metropolitan Council staff regarding the establishment of mobile emissions budgets.

B. Mobile Emissions Analysis

DTP staff coordinated with COG DEP staff on the planned timeline for the proposed 2008 ozone NAAQS redesignation request and maintenance plan, which will occur during the next fiscal year (FY 2017).

Staff monitored MARAMA MOVES modeling activities as part of the photochemical modeling exercise for the new ozone and fine particle standards.

In response to a data request from DDOT, staff transmitted the most currently adopted mobile emissions rates for NO_x, VOC and GHG. This information was sought to update CMAQ project evaluation procedures.

In response to a data request from DEP staff, DTP staff transmitted VMT and mobile emissions estimates data for Montgomery County from the currently adopted Plan (2015 CLRP).

TPB staff communicated and coordinated with Baltimore Metropolitan Council staff regarding the establishment of mobile emissions budgets.

C. Regional Studies

Staff reviewed and compiled the responses to the survey questionnaires sent to local jurisdictions, state agencies and regional agencies regarding implementation considerations for the recommended consensus Multi-Sector Working Group (MSWG) greenhouse gas reduction strategies.

The work session of the Long-Range Plan Task Force on May 18 focused on reaffirming the work scope for the task force. The group also began discussion of draft project selection criteria, which were distributed at the meeting. Following the meeting, staff sent an email seeking comments on the criteria. The comments that are received were summarized so they could be discussed at the June task force meeting.

Staff continued work to code and analyze the All-Build scenario.

Staff continued to refine a process for identifying unfunded bicycle and pedestrian priority projects.

Several letter of support were prepared for grant applications from across the region to be submitted for the FTA Bus Grants and TOD Planning notices of funding opportunity.

D. Coordinated Cooperative Forecasting & Transportation Planning

Staff finalized the draft TAZ-level Round 9.0 Cooperative Forecasting land activity database for use in 2016 CLRP Air Quality Conformity Analysis.

Staff continued analysis of current labor market trends and demand in the region using the Burning Glass Labor Insight tool acquired using funding received from a Capital One Foundation grant.

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 supported on-going coding and quality control checks of the network supporting the air quality analysis of the 2016 CLRP and FY 2017-2022 TIP. Staff updated the file containing transit station and Park-and-Ride lot attributes to reflect the most recent information. Staff also conducted consistency checks on recently received transit schedule information for Arlington Transit and MTA bus service.

Staff also supported the consultant-assisted project to develop and apply the regional travel demand model. As part of the migration of the transit path-building procedures from TRNBUILD to Public Transport software, staff continued to research which network coding enhancements could/should be incorporated. Staff researched ways to enhance network coding to allow a higher level of detail. Staff also obtained information from WMATA regarding escalator lengths at Metrorail stations. WMATA has also provided some information about escalator lengths. In June, staff will review the information provided by WMATA.

Staff began documentation on the latest changes implemented to the GIS-based tool for editing and managing transportation networks (COGTools). A memorandum on the subject will be completed in early June.

B. GIS Technical Support

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

Staff responded to requests from Commuter Connections staff and jurisdictional staff to make additional edits to the Bike to Work Day map and HTML code for individual pit stop maps. Staff provided HTML code of the Bike to Work Day map to Communications team staff to pass onto Greater Greater Washington to have the map available on their website.

Staff worked with Information Technology & Facilities Management (ITFM) staff to troubleshoot inconsistencies in displaying web mapping applications. Staff worked with ITFM staff to obtain quotes for updating hardware and software on the GIS and GIS web servers.

Staff worked with Esri technical support regarding several issues related to data display and format related to ArcGIS Online.

Staff updated the web map and application for the potential Communities of Environmental Justice Concern.

Staff attended the May 19th Chief Information Officer (CIO) meeting.

Staff planned and participated in the May 17th National Capitol Region Geospatial Data Exchange (NCR GDX) Governance Working Group conference call.

C. Models Development

The TPB Travel Forecasting Subcommittee (TFS) convened on May 20. During the meeting, staff apprised the subcommittee on the status of activities associated with the TPB's consultant-assistance project to improve the travel demand forecasting process which is ongoing.

Staff completed several activities relating to travel modeling that will support the air quality analysis of the 2016 CLRP. Staff received Round 9.0 zone-level land-activity forecasts from COG's Department of Community Planning and Services. These data were analyzed and prepared for use with the regional travel model. The preparation included transforming some employment data to ensure that there is a consistent definition of employment across all jurisdictions within the COG modeled area. The work was documented in a memo dated May 10.

Staff updated the consumer price index (CPI) schedule used by the travel demand model which is used by the travel model to convert all current-year transportation costs to a common "base" year. This work was documented in a memo dated May 17.

Staff prepared the exogenous demand inputs for the travel demand model. These inputs includes through trips; external vehicle trip ends, miscellaneous (taxi, visitor tourist and school) auto driver trips and airport passenger auto-driver trips. The work was documented in memo dated May 25.

Staff implemented nine refinements to the currently adopted (Version 2.3.57a) travel demand model, resulting in a new model now known as Version 2.3.66. The refinements are detailed in a memo dated April 26. The refinements include migrating to the latest, 64-bit Cube Voyager software (Cube 6.4.1) and other technical enhancements. The refined model will be used in the TPB's upcoming conformity work.

Task work on the consultant assisted project to improve travel modeling has progressed on several fronts:

Task Order 16.2 ("Advice and Testing"):

- Task 2 ("Non-Resident Trips Update"): TPB Staff has continued an analysis of cellular origin-destination (O-D) data obtained in FY 2014 to investigate ways in which non-resident trips, such as airport travelers, tourists, and other visitors might be modeled.
- Task 4 ("Speed/Travel Time Validation Improvement"): The consultant has prepared proposed updates to existing traffic assignment parameters to improve the accuracy of highway link speeds produced by the model.

- Task 6 (“Perform Transit Network Coding Enhancements”): Staff investigated enhancing the coding of express bus service by designating board-only and alight-only nodes in the transit network. Testing is still underway
- Task 8 (“Add External-to-Internal Transit Trips”): The regional travel demand model does not currently include non-resident transit trips. Staff is investigating ways to include part of this market by focusing first on non-resident Metrorail trips. Staff has investigated a suggested method that has proven to be viable.

Task Order 16.3 (“Managed Lanes”): The consultant has proposed a methodology for improving the treatment of managed lanes in the regional travel demand model to TPB staff and the TFS. Staff is currently reviewing the methodology.

Task Order 16.4 (“Non-Motorized Model Enhancements”): The consultant discussed current progress on this task order at the May 20 TFS meeting and will be documenting the non-motorized practices at other MPOs for TPB staff to consider.

Task Order 16.5 (“Mode Choice Model Enhancements”): Consultant sent a draft memo to TPB staff on April 29 on a proposed method. Consultant discussed current progress on this task order at the May 20 TFS meeting.

TPB staff will be working with the consultant to complete the above work tasks by the end of the fiscal year.

Data requests: Staff responded to four data requests during May from local planning agencies and consultants.

Staff attended a TMIP webinar on the subject of “New Technology Sources for Origin-Destination (O-D) Data: Overview and Lessons Learned” on May 12, 2016.

D. Software Support

Staff coordinated work efforts with the Information, Technology and Facilities Management (ITFM) team to improve the performance of travel demand servers.

5. TRAVEL MONITORING

A. Cordon Counts

Staff reviewed the responses to the RFQ for the Bluetooth component of the data collection for trucks funded under this items. A technical selection committee was convened, a selected vendor was recommended, and a contract was sent to the selected vendor.

B. Congestion Monitoring and Analysis

Regional and corridor traffic analysis of the week prior to the Memorial Day Holiday was completed and the results were reported in the May 24 edition of the *TPB News*.

Real-time traffic conditions on Thursday, May 26, before the Memorial Day was closely monitored, summarized, and reported via the TPB’s social media Twitter account.

Staff fulfilled a data request for freeway peak period data including photographs from a consultant working on I-270 corridor management study.

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

Staff completed the draft RFP for the region-wide 2017 TPB Household Travel Survey and reviewed this draft with the models development team and Baltimore Metropolitan Council Transportation Planning staff.

D. Regional Transportation Data Clearinghouse (RTDC)

Staff completed processing the 2014 hourly traffic data from Virginia, Maryland, and the District of Columbia. This included data from the newly operational permanent count stations in the District of Columbia. Staff continued processing the 2014 classification traffic data from Virginia, Maryland and the District of Columbia.

Staff presented the RTDC updates to the May meeting of the TPB Travel Forecasting Subcommittee.

Staff completed the RTDC Data Viewer- a web application showcasing several RTDC datasets through several tools that allow display and query. Staff completed updates to the RTDC project page (Open Data site) related to the updated datasets added to the RTDC. Staff completed the RTDC web map used in the RTDC Data viewer application.

Staff created and/or updated several ArcGIS Online (AGO) content items related to RTDC datasets.

Staff updated several datasets in the RTDC, including the hourly count data, average weekday transit ridership and historical Metrorail ridership. Staff added several datasets to the RTDC, including 2014 Highway Performance Monitoring System (HPMS) segments, Transportation Performance Management data for bridge and pavement metrics, Metrorail average monthly ridership, Vehicle Miles Traveled (VMT) for 2007-2014, 2015 CLRP Amendment, traffic count station locations with AADTs from 1986 to 2014, and 2014 bicycle counts for the District of Columbia.

Staff responded to a DTP user question related to web map used on the RTD project page.

Staff continued analyzing the fluctuation in traffic volume and transit ridership around the March 15 Metrorail shutdown. Staff produced tables showing seasonal variation of traffic volume and metro station boardings in the core and the rest of the region for a WAMU interview. Staff assisted with data analysis and preparation of talking points on Federal government worker use of Metrorail for TPB Chair Lovain's testimony on Capitol Hill.

6. TECHNICAL ASSISTANCE

A. DISTRICT OF COLUMBIA

1. Program Development, Data Requests & Miscellaneous Services

Staff reviewed program work scopes and participated in the monthly meeting cycle.

2. Traffic Counts and HPMS Support

The May HPMS Coordinating Committee meeting included status updates by TPB Staff on the 2016 permanent count station data and short-term counts. Staff prepared the agenda and the summary for this meeting.

The following April 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 April data summaries and notations on missing or questionable data records.

Staff completed processing the calendar year 2015 annual submittal, by preparing:

- Traffic data submittal file
- Vehicle summaries table, including validating against mileage summary
- Metadata, including inquiring with FHWA to obtain clarity on inconsistent language in HPMS Field Manual
- Submittal letter

Staff completed the following administrative tasks:

- Reviewed and approved payment for third invoice for FY 2016.
- Provided GIS shapefile with count locations to short-term contractor, upon request
- Provided Mr. Birat Pandey, Freight Analysis and Data Manager, FHWA, with AADT and Truck data on the 14th Street Bridges, upon request
- Inquired about a potential meeting with Transcore to discuss future reporting of former Here stations.

Staff provided the following technical assistance to DDOT staff:

- Explained limitations of changes to source segids in the segid file to DDOT and possible consequences for future time series analysis
- Informed DDOT of issues found in data file retrieved using DDOT's ATMS systems after DDOT began collecting data from sensors formerly owned by Here

3. Data Transfer for CLRP and TIP

This project is inactive following the March carryover.

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

No staff work activity during the reporting period

5. Other Tasks to be Defined

This project is inactive following the March carryover.

MARYLAND

1. Program Development /Management

Staff submitted a scope and budget response to a request for travel forecasting support for a study covering a portion of the I-270 and I-495 corridor, and participated in the monthly meeting cycle

2. Project Planning Studies

Staff continued working with MD SHA staff and consultants to document the project development and the alternatives analysis process for the Veirs Mill Road (MD 586) Study.

3. Feasibility/Special Studies

No staff work activity during the reporting period.

4. Transportation Performance Measures
Staff continued field work for the HOV counts and travel time data collection funded under this work program item.
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 project is inactive following the March carryover.
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 participated in the monthly meeting cycle.
2. Travel Monitoring and Survey
Staff continued field work for the HOV counts and travel time data collection funded under this work program item. Staff began field work for the bicycle and pedestrian count locations in Tysons Corner.
3. Travel Demand Modeling
Staff responded to a data request from NVTA's TransAction consultant.
4. Regional and Sub-Regional Studies
Staff reviewed materials from the TransAction study team. Staff participated in the monthly meeting cycles for NVTA and NVTC.
5. Transportation Support for the COG MSWG
No staff work activity during the reporting period.
6. Other Tasks yet to be Defined
This project is inactive following the March carryover

D. WMATA

1. Program Development
Staff participated in the monthly meeting cycle.

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. A consultant invoice was paid during the reporting period and information on those work activities is included in the consultant's progress report accompanying the invoice.
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 27
 1. 2015 Air Passenger Survey
Staff presented the draft General Findings Report to the Aviation Technical Subcommittee at its meeting on May 26.
 2. Air Cargo Element Update
Staff transmitted the draft Air Cargo Element Update to the Aviation Technical Subcommittee at its meeting on May 26.
 4. Ground Access Travel Time Study
Staff responded to comments on the draft report.
8. **SERVICES/SPECIAL PROJECTS**
No staff work activity during the reporting period.

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

May 31, 2016

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	73,550.00	52,541.26	71%
B. Transp Improvement Program (TIP)	225,300.00	135,256.50	60%
C. Constrained Long-Range Plan	625,885.00	542,335.63	87%
D. Financial Plan	65,550.00	45,025.86	69%
E. Public Participation	491,060.00	418,262.17	85%
F. Performance-Based Planning for CLRP/TIP	100,000.00	55,037.04	55%
G. Annual Report	83,350.00	70,812.90	85%
H. Transportation/Land Use Connection Program	434,900.00	159,104.99	37%
I. DTP Management	733,771.00	358,031.93	49%
SUBTOTAL	2,833,366.00	1,836,408.29	65%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	213,150.00	166,771.44	78%
B. Management, Operations, & ITS Planning	429,050.00	322,166.43	75%
C. Emergency Preparedness Planning	78,400.00	59,822.45	76%
D. Transportation Safety Planning	130,100.00	86,762.96	67%
E. Bicycle and Pedestrian Planning	126,250.00	119,814.43	95%
F. Regional Public Transportation Planning	230,600.00	98,775.24	43%
G. Human Service Transportation Coordination	142,700.00	128,613.29	90%
H. Freight Planning	156,050.00	130,710.61	84%
I. MATOC Program Planning Support	124,850.00	98,293.43	79%
SUBTOTAL	1,631,150.00	1,211,730.27	74%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	590,500.00	493,940.21	84%
B. Mobile Emissions Analysis	714,500.00	590,678.61	83%
C. Regional Studies	587,200.00	590,974.19	101%
D. Coord Coop Forecasting & Transp Planning	839,400.00	721,683.77	86%
SUBTOTAL	2,731,600.00	2,397,276.78	88%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Network Development	800,800.00	719,249.05	90%
B. GIS Technical Support	571,000.00	427,357.26	75%
C. Models Development	1,214,500.00	930,205.16	77%
D. Software Support	186,200.00	175,084.85	94%
SUBTOTAL	2,772,500.00	2,251,896.32	81%
5. TRAVEL MONITORING			
A. Cordon Counts	261,000.00	90,019.35	34%
B. Congestion Monitoring and Analysis	389,100.00	271,416.59	70%
C. Travel Surveys and Analysis Household Travel Survey	459,800.00	74,465.91	16%
D. Regional Transportation Data Clearinghouse	330,700.00	185,162.30	56%
SUBTOTAL	1,440,600.00	621,064.16	43%
SUBTOTAL CORE PROGRAM ITEMS 1-5	11,409,216.00	8,318,375.82	73%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	260,000.00	195,266.42	75%
B. Maryland	365,500.00	159,002.03	44%
C. Virginia	419,899.00	339,346.36	81%
D. WMATA	224,820.00	66,208.18	29%
SUBTOTAL	1,270,219.00	759,823.00	60%
TPB GRAND TOTAL	12,679,435.00	9,078,198.80	72%

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

May 31, 2016
SUPPLEMENT I

	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	7,166.73	1,350.04	967.54	8,649.96	6,199.20
2. DDOT HPMS	235,000.00	173,952.29	31,725.90	23,484.23	203,274.10	150,468.06
3. DDOT Data Transfer	0.00	0.00	0.00	0.00	0.00	0.00
4. DC MSWG Support	15,000.00	14,147.40	2,025.06	1,909.95	12,974.94	12,237.45
5. Data Transfer for CLRP & TIP	0.00	0.00	0.00	0.00	0.00	0.00
6. Other Tasks to be defined	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL	260,000.00	195,266.42	35,101.00	26,361.72	224,899.00	168,904.70
B. Maryland						
1. MD Program Development	18,000.00	10,513.70	1,728.05	1,009.34	16,271.95	9,504.36
2. Project Planning Studies	55,000.00	52,163.81	5,280.15	5,007.87	49,719.85	47,155.94
3. Feasibility / Special Studies	15,000.00	0.00	1,440.04	0.00	13,559.96	0.00
4. Transportation Performance Measures	100,000.00	39,035.33	9,600.27	3,747.50	90,399.73	35,287.83
5. Training Misc. Tech Support	2,500.00	231.14	240.01	22.19	2,259.99	208.95
6. Statewide Transp/ Model Support	0.00	0.00	0.00	0.00	0.00	0.00
7. Trnsnp. Landuse Connections	160,000.00	42,910.65	15,360.44	4,119.54	144,639.56	38,791.11
8. Human Service Trnsnp. Study	0.00	0.00	0.00	0.00	0.00	0.00
9. MSWG Support	15,000.00	14,147.40	1,440.04	1,358.19	13,559.96	12,789.21
10. Other Tasks to be defined	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL	365,500.00	159,002.03	35,089.00	15,264.63	330,411.00	143,737.40
C. Virginia						
1. VA Data Documentation	25,000.00	24,089.64	2,760.01	2,659.51	22,239.99	21,430.14
2. FY16 Travel Monitoring	270,000.00	207,992.23	29,808.10	22,962.42	240,191.90	185,029.81
3. FY16 Travel Demand Modeling	10,000.00	6,131.16	1,104.00	676.88	8,896.00	5,454.28
4. FY16 Regional Sub Region Study	99,899.00	86,985.93	11,028.89	9,603.28	88,870.11	77,382.65
5. MSWG Support	15,000.00	14,147.40	1,656.01	1,561.88	13,343.99	12,585.52
6. Other Tasks to be defined	0.00	0.00	0.00	0.00	0.00	0.00
7. Other Tasks to be defined	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL	419,899.00	339,346.36	46,357.00	37,463.96	373,542.00	301,882.40
D. WMATA						
1. WMATA Program Development	5,000.00	3,101.96	5,000.00	3,101.96	0.00	0.00
2. Misc. Services	4,499.00	925.15	4,499.00	925.15	0.00	0.00
3. MSWG Support	5,000.00	4,715.81	5,000.00	4,715.81	0.00	0.00
4. Model Development for Transit	90,121.00	9,920.46	90,121.00	9,920.46	0.00	0.00
5. 2015 Metrobus/Metro rail Survey	24,100.00	20,002.53	24,100.00	20,002.53	0.00	0.00
6. Paratransit Study	96,100.00	27,542.28	96,100.00	27,542.28	0.00	0.00
7. WMATA Other Tasks to be defined	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL	224,820.00	66,208.18	224,820.00	66,208.18	0.00	0.00
GRAND TOTAL	1,270,219.00	759,822.98	341,367.00	145,298.48	928,852.00	614,524.50