

FY 2019



National Capital Region
Transportation Planning Board

Work Program Progress Report

March 2019

FY 2019

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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The TPB approved its FY 2019 Unified Planning Work Program (UPWP) in March 2018. The TPB Work Program Progress Report provides a short summary of each activity for the month March. Please reference the 2019 UPWP for details concerning the approved budget and work description for each task. The following graphic identifies all the activities in the UPWP.

<p>1. LONG-RANGE TRANSPORTATION PLANNING</p> <p>1.1 Long-Range Transportation Plan 1.2 Long-Range Plan Task Force</p>	<p>7. COOPERATIVE FORECASTING AND TRANSPORTATION PLANNING COORDINATION</p>
<p>2. PERFORMANCE-BASED PLANNING AND PROGRAMMING</p> <p>2.1 Performance-Based Planning 2.2 Transportation Improvement Program (TIP)</p>	<p>8. PUBLIC PARTICIPATION AND HUMAN SERVICE TRANSPORTATION COORDINATION</p> <p>8.1 Public Participation 8.2 Communications 8.3 Human Service Transportation Coordination</p>
<p>3. MOBILE EMISSIONS PLANNING</p> <p>3.1 Air Quality Conformity 3.2 Mobile Emissions Analysis</p>	<p>9. TRANSPORTATION ALTERNATIVES AND LAND-USE COORDINATION PROGRAMS</p>
<p>4. PLANNING PROGRAMS</p> <p>4.1 Congestion Management Process 4.2 Systems Performance, Operations and Technology Planning 4.3 Transportation Emergency Preparedness Planning 4.4 Transportation Safety Planning 4.5 Bicycle and Pedestrian Planning 4.6 Regional Public Transportation Planning 4.7 Freight Planning 4.8 Metropolitan Area Transportation Operations Coordination Program Planning</p>	<p>10. TPB SUPPORT AND MANAGEMENT</p> <p>10.1 Transportation Planning Board (TPB) Support and Management 10.2 Unified Planning Work Program (UPWP)</p>
<p>5. TRAVEL FORECASTING</p> <p>5.1 Network Development 5.2 Models Development and Support</p>	<p>11. TECHNICAL ASSISTANCE</p> <p>11.1 District of Columbia 11.2 Maryland 11.3 Virginia 11.4 WMATA</p>
<p>6. TRAVEL MONITORING AND DATA PROGRAMS</p> <p>6.1 Household Travel Survey 6.2 Travel Monitoring Counts/Studies 6.3 Regional Transportation Data Clearinghouse 6.4 GIS Data</p>	<p>12. CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM (CASP)</p>

Task 1	BUDGET	Billed this month	% Funds Expended	UPWP Page
LONG RANGE TRANSPORTATION PLANNING	\$1,049,855	\$79,167	58%	27

1. LONG-RANGE TRANSPORTATION PLANNING

Staff continued working on follow-up to TPB Resolution R10-2019 which directed staff to conduct activities related to the implementation of three of the aspirational initiatives in Visualize 2045:

- Improve walk and bike access to transit – Staff refined a network analysis to identify walkshed around high-capacity transit stations.
- Complete the National Capital Trail – Staff continued to implement a work program for expanding the regional trail network to cover the entire TPB region.
- Provide more telecommuting and other options for commuting – Staff and partners associated with the Commuter Connections Program continued to explore specific actions and programs that can be established/expanded to advance this initiative.

COG staff (who are not explicitly TPB staff) worked on activities to address another of the seven initiatives— “Bring jobs and housing closer together.” Resolution R10-2019 also encouraged regional coordination activities, led by TPB partners, to promote implementation of the initiatives “Expand bus rapid transit (BRT) regionwide,” and “Expand the express highway network.”

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
PERFORMANCE-BASED PLANNING AND PROGRAMMING	\$701,890	\$57,895	59%	29

2. PERFORMANCE-BASED PLANNING AND PROGRAMMING

2.1 Performance-Based Planning

Staff supported the presentation of VDOT’s safety activities to Technical Committee and the TPB.

Staff attended a conference on Transit State of Good Repair. Staff participated in an FTA webinar on Transit Asset Management. Staff attended the VDOT Quarterly MPO meeting, and also worked on preparations for federal certification review.

2.2 Transportation Improvement Program (TIP)

The financial summary for the FY 2019-2024 TIP was reviewed and updated as TIP amendments were approved.

Staff continued a discussion on technical capabilities with the contractor for the replacement of the ITIP Database

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,877,121	\$193,372	62%	33

3. MOBILE EMISSIONS PLANNING

3.1 Air Quality Conformity

Department of Transportation Planning (DTP) staff developed a draft schedule for the upcoming Transportation Improvement Program (TIP) amendment and air quality conformity analysis, with the majority of the activities scheduled to take place in the fiscal year 2019.

Staff developed a survey for the transit operators to update transit and school bus information for emissions estimates for future air quality conformity analyses. Staff presented a draft survey to the Regional Public Transportation Subcommittee for initial review and feedback.

Staff forwarded February meeting agenda items relating to the air quality consultation elements to all relevant agencies and public advisory committees in accordance with standard consultation procedures.

Throughout the month of March, staff continued working on technical documentation related to Visualize 2045 air quality conformity analysis.

3.2 Mobile Emissions Analysis

DTP staff continued working closely with Department of Environmental Programs (DEP) staff on development of a preliminary schedule for the base year emissions inventory submittal to EPA as part of the 2015 ozone NAAQS requirements. TPB staff began developing networks and making preparations for the travel demand modeling activities related to the 2017 base year analysis.

DTP staff completed travel demand modeling efforts related to the update of regional greenhouse gas inventories for the 2018 analysis year. Staff also finalized documentation of the greenhouse gas planning studies conducted by MWCOG / TPB staff over the past decade, with an emphasis on the mobile sector. The resulting memorandum provides technical recommendations with respect to the inventory development methodology for moving forward in current and future planning efforts.

In response to data requests, DTP staff continued to provide data related to mobile emissions modeling to our stakeholders (e.g., Virginia Department of Transportation).

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING PROGRAMS	\$1,859,037	\$230,350	76%	35

4. PLANNING PROGRAMS

4.1 Congestion Management Process

The regularly scheduled March 21 meeting of the Vehicle Probe Data Users Group (VPDUG) was organized and conducted, discussing the Virginia Department of Transportation’s use of cases of probe data; congestion analysis with District of Columbia Taxicab Trips Data; a cost analysis of a June 20, 2018 truck crash on the Woodrow Wilson Bridge; and regional bottleneck analysis for the second half of 2018.

4.2 Systems Performance, Operations and Technology Planning

Planning continued for upcoming member agency outreach interviews for the Systems Performance, Operations, and Technology (SPOT) program. Staff continued to provide technical advice to ongoing COG stakeholder outreach following the November 2018 completion of the Traffic Incident Management Enhancement (TIME) Task Force, Initiative, and recommendations report.

Staff participated in the Northern Virginia Transportation Authority annual Transportation Technology Roundtable, March 13 in Fairfax.

Staff participated in the Baltimore Metropolitan Council New Mobility Transportation Forum, March 13 in Baltimore.

Staff joined an advisory group planning for an April 29 Virginia Department of Transportation “Dialog on Highway Automation Workshop.” Planning for a fall 2019 TPB forum on connected and autonomous vehicles also began.

Development and integration of the Regional ITS Architecture update continued.

4.3 Transportation Emergency Preparedness Planning

The regularly scheduled March 13 meeting of the Transportation Emergency Preparedness Committee (R-ESF 1) was organized and conducted. The committee finalized its work plan for the upcoming fiscal year, as well as receiving a briefing on the public safety Multiyear Training and Exercise Program.

4.4 Transportation Safety Planning

Staff coordinated with the VDOT Highway Safety Planning Manager on his safety presentations to the Technical Committee on March 1 and the TPB on March 20.

Staff coordinated with DDOT Vision Zero personnel to prepare for their April safety presentations to the Technical Committee and the TPB.

For the proposed analysis of regional roadway safety outcomes, the Technical Selection Committee evaluated each of the nine proposals received by the February 22 deadline and selected one of them for contract award.

4.5 Bicycle and Pedestrian Planning

The regularly scheduled March 19 meeting of the Bicycle and Pedestrian Subcommittee was organized and conducted. At the March 19 meeting, the subcommittee reviewed and endorsed the revised “Criteria for Network Inclusion” for the National Capital Trail Network. DDOT staff briefed the subcommittee on DC’s transportation safety program. Sherry Matthews Marketing staff briefed the subcommittee on the spring Street Smart campaign wave, as well as the new Baltimore pedestrian safety campaign. And the subcommittee endorsed holding a Dockless Bike and Electric Scooter Share professional development workshop, to be held on May 30. Planning for the May 30 workshop began.

Work continued toward expanding the regional trail network definition to cover the entire TPB region. As part of the “Expand the National Capital Trail” project, staff conducted a site visit with the Capital Trails Coalition on March 8 and was briefed on the Capital Trails Coalition’s GIS data gathering methodology.

Outreach activities included staff attending a Vision Zero Summit on March 14 at George Washington University, and, as a member, attending the Maryland [statewide] Pedestrian/Bicycle Emphasis Area team meeting, March 21 at the Baltimore Metropolitan Council.

4.6 Regional Public Transportation Planning

Staff planned for, convened, and documented a meeting of the Regional Public Transportation Subcommittee on March 26. Agenda topics included: DDOT: 16th Street Bus Lanes Project; and NVTC: Commuter Choice Program I-66 and I-395/95. Attendees were also briefed on a TPB transit vehicle emissions survey and on the progress of the State of Public Transportation report.

Staff coordinated the presentation of several local transit briefings to the TPB Technical Committee. Staff and consultants continued work on the TIGER Grant projects performance reports. The contract for this work closed at the end of March.

Staff attended the monthly WMATA JCC meeting and a webinar on the Regional Bus Transformation project and reviewed and commented on materials for the project. Staff also discussed regional transit issues with a consultant for the Greater Washington Partnership.

4.7 Freight Planning

Planning for future Freight Subcommittee meetings was conducted.

4.8 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 certain planning support activities provided by TPB staff under this task.

The March 8 MATOC Steering Committee meeting was organized and conducted, continuing discussion of communications, coordination, and Traffic Incident Management topics.

The March 12 MATOC Severe Weather Working Group meeting was organized and conducted at the Prince George's County Department of Public Works and Transportation in Forestville, Maryland, continuing planning for severe weather coordination for the 2018/2019 winter season.

The March 28 joint meeting of the MATOC Operations Subcommittee and the MATOC Transit Task Force was organized and conducted at Virginia Department of Transportation offices in Fairfax, discussing traffic operations issues of mutual concern.

Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	\$2,754,091	\$247,649	56%	43

5. TRAVEL FORECASTING

5.1 Network Development

One of the major inputs to the regional travel demand forecasting model is a series of transportation networks, representing the regional highway and transit systems. Each year, staff develops a new base-year transit network, which is used for coding all subsequent transit networks. This year's base-year transit network represents year-2018 conditions. About half the transit agencies provide route information in an electronic, machine-processible format called GTFS. In March, staff continued to process both the GTFS and non-machine-readable transit schedule data, which includes reviewing the data, cleaning the data, and calculating service characteristics, such as average headways and run times for the peak and off-peak periods. Staff used the GTFS data to create a regional transit route ArcGIS shapefile that is used internally for quality control and quality assurance purposes.

Documentation: Staff completed the following report, dated March 15: Highway and Transit Networks for the TPB Ver. 2.3.75 Travel Model and Air Quality Conformity Analysis of Visualize 2045

and the FY 2019-2024 TIP. This report was presented to the Travel Forecasting Subcommittee at its March 15 meeting.

In support of the developmental, Generation-2/Ver. 2.5 travel model, staff continued to develop and review network files that are stored in the Public Transport (PT) format. In March, staff developed networks representing 2030 and 2045, which were documented in draft transmittal memos.

In support of a request from COG's Department of Environmental Programs, TPB staff developed a year-2012 transit network that will be used for estimating greenhouse gas emissions.

5.2 Model Development and Support

The Travel Forecasting Subcommittee (TFS) met on March 15. The agenda included the following items:

- Production-Use TPB Travel Demand Forecasting Model
- Network Documentation
- Re-validation of TPB's Version 2.3 Travel Demand Model to Year-2014 Conditions
- Possible Future Updates
- Developmental TPB Travel Demand Forecasting Models
- Gen2/Ver. 2.5: Status Report
- Gen3: Status Report
- Status Report on the 2017-18 COG/TPB Regional Travel Survey
- Regional Transportation Data Clearinghouse (RTDC) Updates
- 2017 Washington-Baltimore Regional Air Passenger Survey: Geographic Findings
- Multimodal Alternatives Analysis of the Rosslyn Area of Arlington, Using the COG/TPB Travel Model and Other Tools

In March, staff began compiling a draft copy of the meeting highlights.

Production-use, travel demand forecasting model: Generation-2/Ver. 2.3

Revalidation of the Ver. 2.3 model to year-2014 conditions. Work was completed and documented in a memo dated March 12. The TFS was briefed on March 15. The results suggest that the performance of TPB's current production model remains acceptable. This re-validation was done to satisfy the stipulations in the Transportation Conformity Rule regarding the recency of data used for model validation.

Staff tested the Ver. 2.3 Model with two new versions of Cube software (6.4.4 and 6.4.5 Beta). The model did not run under Cube 6.4.4 (due to a bug in the Citilabs software) but did run under Cube 6.4.5 Beta (with no change in model results). Work was documented in a memo dated March 1.

Staff is implementing a few minor updates to the Ver. 2.3 model, including an issue that can arise when a model run ends prematurely in the traffic assignment stage and then is restarted at that point, resulting in model output that is not the same as one would find from a model run that ran without stopping.

Developmental, travel demand forecasting model: Generation-2/Ver. 2.5

Staff continued testing, evaluation, and refinement of the Ver. 2.5 model. Contract staff is updating the trip distribution process used for external travel. Staff is writing a memo documenting that work. The most recent version of the model incorporating the revised external trip distribution process (Ver. 2.5.11) has been run and validation results were shared with the TFS at the March meeting. Staff developed a transit sub-mode summary of the 2014 model run of the Ver. 2.5.11 Model. Staff is also working on a script to summarize transit access connections to each transit sub-mode at the TAZ level. Lastly, staff developed an updated list of possible tests within a Ver. 2.5 validation plan, which staff is now reviewing.

Staff has developed a draft scope of work (SOW) for the upcoming request for proposals (RFP) for the Generation 3 travel demand forecasting model. The SOW was reviewed by eight technical staff and revisions were made based on this review. Review by senior management is expected in April.

Data requests and model support: Staff assisted VDOT to investigate an issue where ArcGIS was not correctly reading the nodes in shapefiles exported from a Cube network file. Additionally, TPB staff replied to 12 data requests in March: two for state DOTs/WMATA, three for local agencies, and seven for private developers or consultants.

Research into Travel Time Data: Staff began to research ways to incorporate observed travel time information, based on “big data” sources, into accessibility and mobility subarea analyses. TPB staff conducted reasonableness tests of travel times for select origins and destinations using Google’s Distance Application Program Interface (API) tool. To better understand the software capabilities and limitations, TPB staff sought feedback on Google Distance API and StreetLight Data user experience from the TPB Travel Forecasting Subcommittee members (March 2019 meeting, under Other Business). Subsequently, staff met with Kimley-Horn representatives to discuss how Google-based data were used for some of the project planning work conducted for Arlington County.

Staff has been investigating origin-destination data from StreetLight Data, via Virginia DOT’s portal, which has been shared with a few TPB staff.

STOPS Training: TPB staff, working with Federal Transit Administration and National Transit Institute representatives, organized a training session on FTA’s Simplified Trips-on-Project Software (STOPS). TPB Technical Committee and Travel Forecasting Subcommittee members were provided briefings about the training scheduled to take place May 7-9 at their respective meetings in March (under Other Business).

Outreach and keeping abreast of the latest developments: On March 12, a few staff attended a working group meeting of the Participant Statistical Areas Program (PSAP), which allows local governments to define block groups and tracks to be used in the 2020 Census. On March 15, staff met with staff from StreetLight Data to discuss data usage issues.

Task 6	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	\$2,760,334	\$132,871	40%	45

6. TRAVEL MONITORING AND DATA PROGRAMS

6.1 Household Travel Survey

COG/TPB staff held a meeting with Resource Systems Group, Inc. (RSG), the survey contractor for the 2017/2018 COG/TPB Regional Travel Survey. For the March 2019 reporting period, the key tasks were focused on processing the RTS data files. COG/TPB staff worked on editing and cleaning the household and person files in the RTS.

6.2 Travel Monitoring Counts/Studies

For the proposed analysis of regional roadway safety outcomes, each member of the technical selection panel reviewed and scored each of the nine proposals received by the February 22 deadline. The Technical Selection Committee met on March 27 to discuss and develop a consensus score.

6.3 Regional Transportation Data Clearinghouse

Staff presented an update to the TPB Travel Forecasting Subcommittee on recent updates to the RTDC project page and data viewer at its March meeting.

Staff attended the 2019 Highway Data Conference (HiDaC) in Saratoga Springs, NY on March 20-22.

Staff wrote an article for TPB News (<http://www.tpbne.ws/more-news/did-you-know-the-tpb-collects-bike-data/>) on the topic of the automated bicycle and pedestrian counts available in the RTDC.

Staff responded to a request from Walk Fairfax staff regarding the availability of a regional Activity Center layer to use in the County's Transportation Land Use Connections (TLC) program application.

Staff received 2018 ART Bus data from Arlington County and processed it to add to the RTDC. Staff adjusted relevant ArcMap documents and republished the Transit Counts map service to reflect additional jurisdictional submissions of FY18 average weekday transit ridership.

Staff added 2017 VMT by functional classification and corrected inconsistencies in past VMT data in the regional table.

Staff provided 2017 AADT and AAWDT at external stations to the travel forecasting team.

Staff updated several datasets in the RTDC (FY18 average weekday transit ridership, CY18 regional automated bike/ped counters, Electric Vehicle (EV) charging stations, and vehicle miles traveled (VMT)) as well as their corresponding ArcGIS Online content items. In addition, staff made changes to the functionality of the RTDC Data Viewer to incorporate updates to the datasets used in the application. Staff repackaged the application to be available as a stand-alone application.

6.4 GIS Data (Technical Support)

Staff planned and participated in the GIS Committee/GDX Working Group meeting on March 19. Highlights of the meeting included: an update by staff on the Census Participant Statistical Areas 2020 Program (PSAP), status reports on the Minimum Essential Data Set (MEDS) and NCR-GDX programs, and discussions on hosting spatial data for use in Web Apps and best practices for displaying CAD data.

Staff planned and participated in a PSAP Working Group meeting on March 12 where participants talked about the successes and challenges that they have had working with the Census GUPS software to delineate Census geographical areas. In a follow-up message, staff forwarded answers to questions that were asked of the Census Bureau and provided the COG TAZ layer in decimal degrees with instructions for using it within GUPS. Staff reviewed Census Block and Tract changes proposed by the City of Gaithersburg to assess the level of nesting with COG/TBP TAZ geography.

Staff attended a meeting with Rails to Trails Coalition (RTC) staff on March 8 to discuss the methodology used to develop the Capital Trails Coalition (CTC) network. Staff will review it as part of the ongoing effort to develop a TPB regional network of bicycle and pedestrian routes.

Staff attended the Association of Metropolitan Planning Organizations (AMPO) GIS Working Group webinar held on March 27, the Maryland State Geographic Information Committee (MSGIC) meeting held on March 13 in Crownsville, MD, and an ArcGIS User seminar sponsored by Esri, held in Annapolis, MD.

Staff developed documentation of the GIS and SAS tools used to identify TAZs that are associated with each High-Capacity Transit Station.

Staff continued work on developing network buffers/service areas for High Capacity Transit (HCT) stations, part of a larger effort to identify deficiencies and demand through walkshed analysis of HCT stations.

Staff continued to collect spatial data of the transit systems of London and Paris as part of an ongoing data request by a COG Board member. Staff also prepared a memo documenting the data availability by city.

Staff responded to a request regarding the availability of a downloadable or otherwise accessible spatial data file of Bike to Work Day (BTWD) pit stop locations and, at the request of Commuter Connections staff, continued to make adjustments to the Bike to Work Day pit stop locations.

Staff continued to work with the Office of Communications (OC) to develop new and refine old map content for the COG website. Staff assisted Department of Environmental Programs (DEP) staff with GIS related requests for database access and web map application specifications.

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
COOPERATIVE FORECASTING AND TRANSPORTATION PLANNING COORDINATION	\$915,451	\$119,850	81%	49

7. COOPERATIVE FORECASTING AND TRANSPORTATION PLANNING COORDINATION

As during recent months, much of the DCPS staff and committee work to support Cooperative Forecasting during March focused on addressing the regional housing shortfall noted by the TPB Long-Range Plan Task Force and the COG Board of Directors’ “100,000 additional housing units” initiative.

During March, COG DCPS staff and local planning staff members examined the issue of “accessibility”: determining how of the potential additional housing capacity that has been identified in local plans could be accommodated within Activity Centers and High Capacity Transit station areas. At its meeting on March 15, DPCS staff presented information summarizing Round 9.1 Cooperative Forecasts by those different geographic areas: Activity Centers that contain high-capacity. Following the meeting, DCPS staff worked with TPB staff to compile GIS shapefiles of these areas and shared them with member local planning staff to assist with their research on this issue. Committee members agreed to share updated assessments of the “accessibility” data at their April meeting.

Also at the March 15 meeting, the Planning Directors were briefed on 2 projects from key COG partner organizations that will inform the Committee’s work to address the housing initiative. Yolanda Cole, Senior Principal, Hickok Cole Architects and District Council Chair, ULI Washington presented initial results of a new study which examines two critical factors that affect the speed and certainty of the development process: navigating the local regulatory and approval process and gaining community acceptance of a development. Ms. Cole noted that the report explores the way in which both issues impact housing supply and affordability and identifies recommendations to increase attainability across a range of housing types, income levels, and regional locations. Jenny Schuetz, David M. Rubenstein Fellow, Metropolitan Policy Program, Brookings and Leah Brooks, Associate Professor and Co-Director, Center for Washington Area Studies, The George Washington University, presented pre-publication findings from their team’s upcoming report, “State of the Capital Region 2019: Housing” on how our region’s housing markets meet the needs of the households in the metropolitan Washington region. Ms. Brooks noted that the study also aims to identify challenges that may require policy intervention to increase housing production and preservation. One week later, both Ms. Cole and Ms. Brooks presented their reports at the meeting of the Housing Directors Advisory Committee whose members will be addressing the “affordability” challenge of the COG Board housing initiative.

Paul DesJardin, COG DCPS Director briefed the TPB Technical Committee at its March 1 meeting on the work of the Planning Directors and Housing Directors Committees to address the COG Board housing initiative. Subsequently, at the March 20 TPB meeting, Planning Directors Chair Andrew Trueblood and Mr. DesJardin briefed the Board on work to date by the region’s Planning Directors and Housing Directors Committees.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION AND HUMAN SERVICES COORDINATION	\$1,261,894	\$89,506	45%	51

8. PUBLIC PARTICIPATION AND HUMAN SERVICES COORDINATION

8.1 Public Participation

A consultant team finalized an evaluation of the TPB’s public involvement activities, which was released in early March. The report was based upon a review of past activities and practices, focus groups with stakeholders and participants, and an assessment of data that quantified participation in meetings and online. The study featured 18 recommendations for improving the TPB’s public involvement in the short-term and long-term. The study is largely intended to serve as an internal reference for TPB staff to use to enhance its ongoing public involvement processes and inform new activities, both this year and in the years to come. In March, staff presented the report to the TPB Technical Committee, the Access for All Advisory Committee, and the Citizens Advisory Committee.

The Citizens Advisory Committee (CAC) met on March 14. At the meeting the committee learned about Visualize 2045 and provided feedback in small group discussions on the recently completed evaluation of TPB participation activities.

The Access for All Committee met on March 7. The meeting included a status update on the enhanced mobility projects that were funded by 2017 Enhanced Mobility grants; a briefing on the evaluation of the TPB’s public participation activities; a presentation on enhancements to the Reach a Ride program and WMATA’s Abilities-Ride program, and a presentation from Easter Seals, which received funding from the National Aging and Disability Transportation Center to develop an app for Metro Access users that would provide them with real-time information. AFA members showed interest in full development of the app. In addition, the AFA membership confirmation process was finalized and the official list updated and the process of Enhanced Mobility program and past projects information to COG’s main site continued. Staff also developed a draft timeline for the 2019 Enhanced Mobility Solicitation.

Staff continued planning for the next session of the TPB’s Community Leadership Institute, which will be conducted in late April and early May. The institute is a three-day workshop on regional transportation for community activists from throughout the region. This will be the 16th session of the CLI, although it has not been conducted since 2015.

8.2 Communications

The TPB News, the TPB’s online newsletter, featured stories on the following subjects in February: Staff updated pages on the COG website related to transportation.

Here are 3 projects that got started through the Transportation Land-Use Connections Program” – Description of projects that began with TLC and later received funding through the Transportation Alternatives Set-Aside Program.

- “Transportation planning explained” – An article about project planning.
- Throughout the month, TPB staff maintained an active presence on social media.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION ALTERNATIVES (TAP) AND LAND USE CONNECTION (TLC) PROGRAMS	\$482,053	\$34,264	42%	55

9. TRANSPORTATION ALTERNATIVES (TAP) AND LAND USE CONNECTION (TLC) PROGRAMS

In March the TLC projects for FY 2019 were underway as described below:

- DC (Barry Farm): A stakeholder meeting occurred on March 21, 2019. The consultant presented the results and analysis of the feasibility study.
- MD (Montgomery County): The consultant gave the final presentation on March 7. The final deliverable was shared, and the project was finalized.
- MD (Montgomery County-Seneca): The consultant finished data collection and analysis. A meeting occurred on March 22 to present findings and recommendations.
- MD (Prince George's County-Cheverly): A stakeholder meeting occurred on March 19. Plans for a community meeting has been set for April. The consultant continues to work on the feasibility study.
- MD (Prince George's County-Forest Heights): The consultant has completed the field work for the project. Plans for a community meeting have been set for April.
- MD (Prince George's County (Purple Line Parking Study): A stakeholder meeting occurred on March 25, 2019. The consultant presented the findings of the analysis and continue to work on the draft report.
- VA (Arlington County): The consultant began preparing a guidebook based on the feedback from the stakeholders meeting. The consultant finalized plans to present the initial draft in April.
- VA (Fairfax County): Data collection and analysis was presented. Preparation is underway for a draft report.
- VA (Prince William County): A workshop meeting occurred on March 15th with the consultants and stakeholders. A draft report of Task 3 was shared on March 1.

The solicitation period for FY 2020 was underway in March. Throughout the month, staff made announcements about the solicitation at various TBP and COG committees. The deadline for submitting abstracts was February 22. On March 4, staff sent preliminary feedback to those who submitted abstracts. At the end of the month, staff prepared for the application deadline on April 2. Members of the selection panel were recruited, and a panel meeting was scheduled for late April.

TPB staff coordinated with staff from MDOT and DDOT to discuss their processes and schedules for soliciting applications for the Transportation Alternatives Set-Aside Program. These solicitations for Maryland and D.C. will take place between mid-April and mid- May. Staff prepared a memo summarizing these processes.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$825,785	\$69,388	63%	57

10. TPB SUPPORT AND MANAGEMENT

TPB Support and Management

The TPB Technical Committee met on March 1, 2019. Agenda items included presentations and informational items such as a briefing on the amendment to the FY 2019 Unified Planning Work Program (UPWP) to include FY 2019 carryover funding to FY 2020 and the final FY 2020 UPWP, a briefing on the final FY 2020 Commuter Connections Work Program, activities to address safety challenges in the region: Virginia Department of Transportation (VDOT), Visualize 2045: Addressing the Region’s Capacity for Additional Housing, and the Air Passenger Survey. There were also briefings on an evaluation of TPB public involvement activities and the TPB’S Community Leadership Institute.

The Transportation Planning Board met on March 20, 2019. Agenda items included reports of the Access for All Advisory Committee (AFA) and the Citizens Advisory Committee (CAC), Steering Committee actions and the report of the director. Action items included the approval of an amendment to the FY 2019 Unified Planning Work Program (UPWP), and the approval of FY 2019 carryover funding to FY 2020, approval of the FY 2020 Unified Planning Work Program (UPWP) and the FY 2020 commuter connections work program (CCWP). Presentations and discussions on activities to address safety challenges in the region: Virginia department of transportation (VDOT) and Visualize 2045: Addressing the Region’s Capacity for Additional Housing also took place.

This task includes activities not attributable to specific tasks in the work program but provides overall support for and management of the TPB and UPWP-related activities.

- Administrative arrangements (such as preparation and distribution of meeting materials) and staff support for TPB and its various Committees, Sub-Committees, Task Forces and special TPB work groups meetings.
- Respond to requests from TPB members, federal agencies, Congressional offices, media and others for information or data of a general transportation nature.
- Meet with TPB Board members and participating agency staff to discuss current and emerging regional transportation planning issues.
- Participate in meetings of other agencies whose programs and activities relate to and impact the TPB work program.
- Coordination of TPB Planning Activities with Program Directors and day-to-day management of and allocation of staff and financial resources
- Monitoring of all work program activities and expenditures

Staff support was provided for the monthly meetings of the following committees and sub-committees:

- State Technical Working Group (STWG)
- TPB Technical Committee
- TPB Steering Committee
- Transportation Planning Board (TPB)
- Bicycle & Pedestrian Subcommittee
- TPB Access for All (AFA)
- Regional Public Transportation Subcommittee (RPTS)
- Citizens Advisory Committee (CAC)
- TPB Long Range Task Force

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. Additionally, staff also worked on monitoring work program activities, providing administrative assistance to senior staff and monitoring and preparing financial reports. Additionally, administrative staff work on monthly financial administration and management activity which includes review and finalization of monthly expense reports for all UPWP activities, development and submission of monthly UPWP invoices and any follow up activity with the funding agencies.

The Staff Director provided overall program management oversight to all the Department's activities. Work activities the Director was involved in during the month of December includes:

- 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 materials.
- Participation in the STWG, TPB Technical Committee, TPB Steering Committee, TPB's Citizen's Advisory Committee and the TPB Board meetings.
- 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. Metropolitan Washington Air Quality Committee.

Other additional activities for the TPB Staff Director for the month of March 2019 includes:

- Washington Post Interview
- Highway Automation Workshop Planning Meeting
- Alternative Screening / I-95 & I-270 Manage Lanes Study
- WMATA Bus Transformation Project (Internal and External meetings)
- Region Forward Coalition Planning Meeting
- COG Board Meeting
- Leadership Greater Washington
- Greater Washington Partnership & MWCOG
- Federal Certification Review Coordination

UPWP

The UPWP activities include:

- Supervise the preparation, negotiation, and approval of the annual work program and budget involving the State Transportation Agencies, the TPB Technical Committee, the Steering Committee and the TPB.
- Preparation of monthly UPWP progress reports for each of the state agencies administering planning funding and preparing all necessary federal grant applications submissions.
- Review all monthly UPWP invoices going to each of the state agencies administering planning funding.

Task 11	BUDGET	Billed this month	% Funds Expended	UPWP Page
TECHNICAL ASSISTANCE	\$1,419,520	\$50,330	22%	59
District of Columbia	\$283,756	\$25,354	54%	59
Maryland	\$518,802	\$15,006	21%	61
Virginia	\$436,798	\$6,146	5%	63
WMATA	\$180,164	\$3,822	14%	65

11. TECHNICAL ASSISTANCE

11.1 District of Columbia

Program Development, Data Requests, and Miscellaneous Services

Staff attended the monthly State Technical Working Group /Technical Committee / Steering Committee/ TPB meeting cycle.

Staff prepared 2030 zone-to-zone trip flows within the entire modeled area in response to a data request to support the I-66 Transit and TDM Study.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

Staff worked with DDOT staff to plan and participate in the March 27 HPMS Committee meeting. Staff updated the committee on the PCS, HERE, FTMS, and short-term data status as well as the progress on the 2018 traffic data development part of the submittal. Staff prepared a summary of the meeting which was shared with DDOT staff.

Staff summarized and analyzed the February traffic data from PCS, FTMS, and HERE stations and shared the summary with DDOT staff for field inspection purposes. Staff reviewed and accepted the postponed 2018 short-term counts from the contractor.

Staff factored all the short term and permanent counts conducted in 2018, reviewed them and discussed the questionable counts with the DC HPMS committee. Staff developed the 2018 seasonal factors by vehicle classification. Staff created count location maps and assigned the first batch of 74 counts for 2019 spring counting season.

TIGER Grant Performance Monitoring Addendum

Progress for this item is reported in the Transit Planning section of this progress report.

Big Data Evaluation

This project is being jointly funded by the District of Columbia, Maryland, Virginia, and WMATA. The status of this project is provided under the Regional Transit/WMATA section of this progress report.

11.2 Maryland

Program Development, Data Requests, and Miscellaneous Services

Staff attended the monthly State Technical Working Group /Technical Committee / Steering Committee/ TPB meeting cycle.

VRE-MARC Run Through Study

For the proposed assessment of the market potential for a one-seat commuter rail service between points in the State of Maryland and the Commonwealth of Virginia and its potential to influence

development and revitalization of suburban commercial centers, four proposals address the RFP were received by the March 1st deadline. A five-member technical selection committee (TSC) was formed consisting of two TPB staff representatives and one representative each from DRPT, VRE, and MDOT MTA. The TSC scored the proposals in accordance with the method of award stated in the RFP.

Big Data Evaluation

This project is being jointly funded by the District of Columbia, Maryland, Virginia, and WMATA. The status of this project is provided under the Regional Transit/WMATA section of this progress report.

Traffic Relief Plan (TRP)

Staff attended the March I-495 & I-270 Managed Lanes Study Interagency Meeting to monitor the project development activities. Staff reviewed the Alternatives Screening Paper and provided comments to Maryland State Highway Administration.

Maryland Technical Assistance (TLC Program)

As part of the Transportation/Land-Use Connections Program, four technical assistance projects in Maryland were fully or partially funded under this PE number. See TLC item above for further details about the TLC Program.

11.3 Virginia

Program Development, Data Requests, and Miscellaneous Services

Staff attended the monthly State Technical Working Group /Technical Committee / Steering Committee/ TPB meeting cycle.

Travel Monitoring and Survey

Staff executed a second task order to support multi-modal counts along two corridors (I-66 and I-395) crossing Glebe Road (VA 120). A kick off meeting was held on March 25th. Traffic monitoring also began for this project.

A kick off meeting was held for the VDOT Non-Motorized Counts on March 25th.

VRE-MARC Run Through Study

This project is funded by Maryland and Virginia, please see the description under Maryland.

Big Data Evaluation

This project is being jointly funded by the District of Columbia, Maryland, Virginia, and WMATA. The status of this project is provided under the Regional Transit/WMATA section of this progress report.

Virginia Technical Assistance (TLC Program)

As part of the Transportation/Land-Use Connections Program, two technical assistance projects in Virginia were fully or partially funded under this PE number. See TLC item above for further details about the TLC Program.

11.4 Regional Transit/WMATA

Program Development, Data Requests, and Miscellaneous Services

Staff attended the monthly State Technical Working Group /Technical Committee / Steering Committee/ TPB meeting cycle.

Staff responded to a data request from WMATA to support the National Harbor Metrorail Ridership and Cost Estimates. The following information was provided from the COG/TPB Version 2.3.75 Travel Demand Forecasting model: Cube Voyager-based application files and travel model inputs

corresponding to the year 2020, 2025, 2030, and 2040, model input and application documentation, 2040 TAZ shapefiles. In addition, Peak and off-peak highway skims for the 2040 network was transmitted.

TIGER Grant Performance Monitoring Addendum

Progress for this item is reported in the Transit Planning section of this progress report.

Big Data Evaluation

Two addendums were published to answer questions about the request for proposals for the proposed Framework for Evaluating Big Data in Regional Travel and Mobility Analysis.

12. CONTINUOUS AIRPORT SYSTEM PLANNING

Staff delivered a presentation of the 2017 Air Passenger Geographic Findings Report at the March 1 Technical Committee Meeting and March 15 Travel Forecasting Subcommittee. Staff wrote a TPB News article for the 2017 Baltimore-Washington Regional Air Passenger Survey.

Staff held the March 28 Aviation Technical Subcommittee meeting, which addressed: finalizing the 2017 Baltimore-Washington Regional Air Passenger Survey Geographic Findings Report, a preliminary discussion of the 2019 Washington-Baltimore Regional Air Passenger Survey, Phase 2 of the Regional Air System Plan, and updates concerning the upcoming Airports Capital Improvement Plan (ACIP) submission to the Federal Aviation Administration (FAA).

Staff collected data from the Metropolitan Washington Airports Authority (MWAA) and Baltimore-Washington International Thurgood Marshall (BWI) Airports on their supply and demand-based metrics for Phase 2 of the RASP and began a preliminary analysis of the data.

Staff prepared a presentation on the 2017 Washington-Baltimore Regional Air Passenger Survey for the April 11 Citizens Advisory Committee and April 17 Transportation Planning Board Meetings.

**FY 2019 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY**

March 2019

	DC, MD and VA FTA, FHWA and LOCAL BUDGET TOTAL	FUNDS EXPENDED	BILLED THIS MONTH	% FUNDS EXPENDED
1. Long-Range Planning				
Long Range Plan	1,049,855.00	609,023.47	79,167.68	58%
SUBTOTAL	1,049,855.00	609,023.47	79,167.68	58%
2. Performance-Based Planning and Programming				
Planning	350,945.00	225,561.95	29,340.04	64%
Transportation Improvement Plan	350,945.00	188,221.48	28,555.93	54%
SUBTOTAL	701,890.00	413,783.43	57,895.97	59%
3. Mobile Emissions Planning				
Air Quality Conformity	900,000.00	585,801.54	90,712.64	65%
Mobile Emissions Analysis	987,121.00	582,609.77	102,659.94	59%
SUBTOTAL	1,887,121.00	1,168,411.30	193,372.58	62%
4. Planning Programs				
Congestion Mgmt Process	425,000.00	330,507.11	55,790.56	78%
SPOTS	529,037.00	401,644.10	60,107.65	76%
Emergency Preparedness	135,000.00	105,422.20	16,335.23	78%
Transportation Safety	135,000.00	113,650.14	16,479.45	84%
Bike & Pedestrian	155,000.00	115,446.45	13,331.34	74%
Regional Public Transit	175,000.00	137,963.87	27,159.98	79%
Freight Planning	170,000.00	110,825.69	23,289.44	65%
MATOC	135,000.00	98,507.40	17,857.32	73%
SUBTOTAL	1,859,037.00	1,413,966.95	230,350.97	76%
5. Travel Forecasting				
Software Support	150,000.00	100,878.33	22,846.02	67%
Network Development	826,200.00	677,898.96	108,023.82	82%
Models Development	1,777,891.00	766,609.27	116,780.02	43%
SUBTOTAL	2,754,091.00	1,545,386.56	247,649.86	56%

**FY 2019 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY**

March 2019

	DC, MD and VA FTA, FHWA and LOCAL BUDGET TOTAL	FUNDS EXPENDED	BILLED THIS MONTH	% FUNDS EXPENDED
6. Travel Monitoring and Data Programs				
Household Travel Survey	1,400,177.00	470,529.39	38,723.82	34%
Travel Monitoring Counts/Studies	340,492.00	19,322.65	4,998.43	6%
Regional Transportation Data Clearinghouse	334,075.00	213,144.04	37,844.43	64%
GIS Technical Support	685,590.00	410,698.01	51,304.39	60%
SUBTOTAL	2,760,334.00	1,113,694.09	132,871.07	40%
7. Cooperative Forecasting and Transportation Planning Coordination				
Cooperative Forecasting Coordination	915,451.00	740,862.10	119,850.14	81%
SUBTOTAL	915,451.00	740,862.10	119,850.14	81%
8. Public Participation and Human Service Transportation Coordination				
Public Participation	996,891.00	514,544.95	83,342.89	52%
Annual Report	265,000.00	54,598.99	6,164.02	21%
SUBTOTAL	1,261,891.00	569,143.94	89,506.91	45%
9. Transportation Alternatives and Transportation Land Use Connection Program				
Alternatives and TLC	482,053.00	202,647.37	34,264.45	42%
SUBTOTAL	482,053.00	202,647.37	34,264.45	42%
10. TPB Support and Management				
TPB Support and Mgmt	893,653.00	565,326.91	69,388.57	63%
SUBTOTAL	893,653.00	565,326.91	69,388.57	63%
SUBTOTAL CORE PROGRAM ITEMS 1-10	14,565,376.00	8,342,246.13	1,254,318.22	57%
TECHNICAL ASSISTANCE				
District of Columbia	283,756.00	153,566.33	25,354.97	54%
Maryland	518,802.00	108,620.17	15,006.85	21%
Virginia	436,798.00	21,250.53	6,146.23	5%
WMATA	180,164.00	25,434.72	3,822.73	14%
Technical Assistance Program Total	1,419,520.00	308,871.75	50,330.78	22%
TPB GRAND TOTAL	15,984,896.00	8,651,117.88	1,304,648.99	54%

**FY 2019 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**

March 2019
SUPPLEMENT 1

	TOTAL		FTA/STA/LOC		PL FUNDS/LOC	
	AUTHORIZED BUDGET	TOTAL EXPENDITURES	AUTHORIZED BUDGET	FTA EXPENDITURES	AUTHORIZED BUDGET	FHWA EXPENDITURES
A. District of Columbia						
DC Program Development	10,000.00	6,814.14	1,258.63	857.65	8,741.37	5,956.49
DDOT HPMS	235,000.00	136,752.19	29,577.91	17,212.10	205,422.09	119,540.09
OTHER TASK TBD	18,756.00	0.00	2,360.69	0.00	16,395.31	0.00
Tiger Grant Perf Mon Addendum	10,000.00	10,000.00	1,258.63	1,258.63	8,741.37	8,741.37
Big Data Study - DC	10,000.00	0.00	1,258.63	0.00	8,741.37	0.00
SUBTOTAL	283,756.00	153,566.33	35,714.51	19,328.39	248,041.49	134,237.94
B. Maryland						
MD Program Development	15,000.00	6,814.14	1,887.95	857.65	13,112.05	5,956.49
Project Planning Studies	100,000.00	66,674.68	12,586.34	8,391.90	87,413.66	58,282.77
Feasibility/Special Studies	25,000.00	0.00	3,146.59	0.00	21,853.41	0.00
Transportation Performance Measures MD	100,000.00	0.00	12,586.34	0.00	87,413.66	0.00
Training, Misc and Tech Support	20,000.00	0.00	2,517.27	0.00	17,482.73	0.00
Transportation/Land Use Connection Program	160,000.00	35,131.35	20,138.15	4,421.75	139,861.85	30,709.60
Other Tasks TBD	53,802.00	0.00	6,771.70	0.00	47,030.30	0.00
MARC - VRE Runthrough - MD	25,000.00	0.00	3,146.59	0.00	21,853.41	0.00
Big Data Study -MD	20,000.00	0.00	2,517.27	0.00	17,482.73	0.00
SUBTOTAL	518,802.00	108,620.17	65,298.20	13,671.31	453,503.80	94,948.86
C. Virginia						
VA Program Dev & Data Document Processing	15,000.00	7,430.22	1,887.95	935.19	13,112.05	6,495.02
Travel Monitoring Surveys	150,000.00	895.88	18,879.52	112.76	131,120.48	783.12
Travel Modeling	40,000.00	0.00	5,034.54	0.00	34,965.46	0.00
Regional and SubRegion Studies	15,000.00	0.00	1,887.95	0.00	13,112.05	0.00
OTHER TASKS TBD	91,798.00	0.00	11,554.01	0.00	80,243.99	0.00
Transportation Land Use Connections	80,000.00	12,924.44	10,069.08	1,626.71	69,930.92	11,297.73
MARC - VRE Runthrough - VA	25,000.00	0.00	3,146.59	0.00	21,853.41	0.00
Big Study - VA	20,000.00	0.00	2,517.27	0.00	17,482.73	0.00
SUBTOTAL	436,798.00	21,250.53	54,976.90	2,674.67	381,821.10	18,575.87
D. WMATA						
Program Development	5,000.00	7,434.72	5,000.00	7,434.72	0.00	0.00
TBD	32,164.00	0.00	32,164.00	0.00	0.00	0.00
Tiger Grant Perf Mon Addendum	18,000.00	18,000.00	18,000.00	18,000.00	0.00	0.00
Big Data Study - WMATA	125,000.00	0.00	125,000.00	0.00	0.00	0.00
SUBTOTAL	180,164.00	25,434.72	180,164.00	25,434.72	0.00	0.00
GRAND TOTAL	1,419,520.00	308,871.75	336,153.61	61,109.08	1,083,366.39	247,762.68