

# FY 2020



National Capital Region  
**Transportation Planning Board**

**Work Program Progress Report**

**September 2019**

**FY 2020**

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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The TPB approved its FY 2020 Unified Planning Work Program (UPWP) in March 2019. The TPB Work Program Progress Report provides a short summary of each activity for the month September. In addition, this report concludes with status updates reflecting timelines for all ongoing program plans and projects. Please reference the 2020 UPWP for details concerning the approved budget, and work description for each task. The following graphic identifies all the activities in the UPWP.

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<b>5. TRAVEL FORECASTING</b> 5.1 Network Development 5.2 Model Development	<b>11. TECHNICAL ASSISTANCE</b> 11.1 District of Columbia 11.2 Maryland 11.3 Virginia 11.4 WMATA
<b>6. MOBILE EMISSIONS PLANNING</b> 6.1 Air Quality Conformity 6.2 Mobile Emissions Analysis	<b>CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM (CASP)</b>

Task 1	BUDGET	Billed this month	% Funds Expended	UPWP Page
LONG RANGE TRANSPORTATION PLANNING	\$1,002,493	\$58,833	16%	29

**1. LONG-RANGE TRANSPORTATION PLANNING**

**1.1 Long-Range Transportation Plan**

Staff that manage long-range plan activities continued refining an approach and a draft schedule for the next quadrennial plan update that is expected to be approved in 2022 and began coordinating with other staff to conceptualize planning activities that will inform the next long-range plan. Staff conducted research and had discussions on how to increase the robustness of TPBs evaluation of federal performance factors such as resiliency, and of other impacts on the transportation system like new transportation technologies. Staff also conducted research on best practices, needs analysis, and scenario planning that support long-range planning related to these topics.

Staff conducted interviews to identify a potential candidate to fill a vacant position that would primarily support UWPW Task 1, Long Range Transportation Planning.

Staff also continued to coordinate the implementation of activities related to the aspirational initiatives in Visualize 2045. Staff developed materials and briefed the TPB State Technical Working Group (STWG), TPB Technical Committee and the TPB on upcoming site visits to engage with the TPB member local governments and independent transit agencies to encourage and support them in promoting projects, programs and policies that advance the long-range plan’s aspirational initiatives. Staff conducted outreach Board members to arrange for letters to the local jurisdictions requesting these site visits and conducted other activities to prepare for the site visits.

**1.2 Federal Compliance**

Staff coordinated with Stafford County and the Fredericksburg MPO to work on fulfilling the federally-recommended action to update the 2004 TPB/FAMPO MOU.

**1.3 Policy Board-Directed Activities**

Staff also 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:

- Improve walk and bike access to transit – Staff continued to refine a network analysis to identify walksheds around high-capacity transit stations. Staff have shared with various committees the online ‘walksheds analysis’ tool that can be used by anyone in the region. Staff is now preparing to conduct outreach to technical staff at the local jurisdictions.
- Complete the National Capital Trail Network – Staff continued to implement a work program for expanding the regional trail network to cover the entire TPB region, as a network.
- Provide more telecommuting and other options for commuting – Staff and partners associated with the Commuter Connections Program launched the Incentrip app on August 28 and reported and or/presented on the launch of this app during several TPB subcommittee meetings. Staff also conducted other TDM related activities.

COG staff (who are not explicitly TPB staff) worked on activities to address another of the seven initiatives— “Bring jobs and housing closer together.” The Housing Initiative has been underway to identify how to work together as a region to build 100,000 more housing units over the next decade in the region’s Activity Centers. 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.” COG staff made recommendations to the COG board regarding three regional housing targets. In September, the COG Board voted unanimously to endorse the three housing targets.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	\$433,982	\$19,791	18%	31

**2. TRANSPORTATION IMPROVEMENT PROGRAM**

**2.1 Transportation Improvement Program (TIP)**

At its meeting on September 6, the TPB Steering Committee approved four resolutions to amend the FY 2019-2024 TIP. The first amendment requested by MDOT was to include funding for the MD 212A and the MD5/MD/637 (Naylor Road) Urban Reconstruction projects. The second amendment was requested by the Montgomery County Department of Transportation to include funding for the Electric Bus Grants project. The third amendment was to include funding for the Molly Berry Bridge and Bowie Road Culvert projects, as requested by the Prince George’s County Department of Public Works and Transportation. The fourth amendment was to include funding for the I-95 SB Auxiliary Lane between VA 123 and VA 294, Rolling Road, VA 28 Widening, and Connector Bridge Crystal City to Washington National Airport projects, as requested by VDOT.

The Steering Committee also approved a resolution to update the 2014 amended procedures for processing revisions to the Long-Range Transportation Plan and TIP, as requested by VDOT. The amendment provides an alternate sliding-scale for projects funded by FTA and eliminates a cap on the size of administrative modifications to projects that cost more than \$35 million.

TPB staff processed administrative modifications for 9 projects as requested by DDOT and VDOT

**2.2 TIP Database support**

A working group of TPB staff and member agency users worked with EcoInteractive to define data fields and values in order to prepare an import template for data to be transferred from the iTIP database to the Project InfoTrak system. Staff from member DOTs provided financial data for the current TIP/STIP period which EcoInteractive staff then prepared for import into the InfoTrak system. With assistance from the IT department, staff procured the DNS record for projectinfotrak.mwcog.org and mwcog.ecointeractive.com.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$2,850,810	\$192,095	18%	33

**3. PLANNING ELEMENTS**

**3.1 Performance-Based Planning**

Staff conducted calls with the state DOTs on PBPP activities and options for the incorporation of performance-based planning elements into the new project information tracker database and the next long-range plan.

Staff assisted in developing a briefing on the region’s highway safety data and upcoming target setting options for presentation to the TPB Technical Committee in October, as well as assisting in the review of state DOT presentations on safety for the September and October meetings of the TPB Technical Committee.

Staff continued assistance in following-up on the federal certification review and the documentation of performance-based planning responsibilities with neighboring MPOs.

### ***3.2 Congestion Management Process***

The September 19 meeting of the Vehicle Probe Data Users Group (VPDUG) was organized and conducted, discussing TPB's initiation of a Big Data evaluation study; the University of Maryland Center for Advance Transportation Technology Laboratory's insights on new high-fidelity vehicle probe data; how the Metropolitan Area Transportation Operations Coordination (MATOC) Program uses the Probe Data Analytics Suite to support its real-time operations; and a recent vehicle probe data-based DDOT prepared, before-and-after study on speed enforcement activities.

A draft impact analysis was developed regarding the May-to-September maintenance shutdown of a segment of the Metrorail Blue and Yellow Lines. A summary memorandum was sent to the TPB Technical Committee in anticipation of discussion at an upcoming meeting.

Congestion Management Process (CMP) data compilation and analysis for upcoming Quarterly Reports continued.

### ***3.3 Systems Performance, Operations, and Technology Planning***

Preparations began for the October meeting of the Systems Performance, Operations, and Technology Subcommittee (SPOTS).

Preparations continued for future meetings in the series of member agency outreach interviews/site visits for the Systems Performance, Operations, and Technology (SPOT) program.

Staff participated in the September 19, 2019 meeting of the Greater Washington Board of Trade Connected DMV (formerly Smart Regions) Mobility and Logistics Solutions Group, presenting an overview of TPB and Commuter Connections activities to this regional collaborative effort.

Staff participated in the September 27 inaugural annual meeting of the new Intelligent Transportation Society of the District of Columbia (ITS DC) organization, including discussion of a variety of SPOTS-related topics. ITS DC joins the longstanding ITS Maryland and ITS Virginia organizations in bringing together ITS practitioners, of both the public and private sectors, in their respective jurisdictions.

Planning for FY 2020 TPB forums on connected and autonomous vehicles (CAV) continued, including preparations for an October kickoff meeting of an ad hoc CAV Forum Advisory Group, to advise planning of the forums.

### ***3.4 Transportation Emergency Preparedness Planning***

The regularly scheduled September 11 meeting of the Transportation Emergency Preparedness Committee (R-ESF 1) was organized and conducted, discussing current regional transportation emergency preparedness issues.

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.

### ***3.5 Transportation Safety Planning***

Staff coordinated with Maryland SHA and Maryland MHSO safety officials on the delivery of the 2nd Maryland Safety Update to the TPB. This occurred on September 16.

Staff coordinated with DDOT and VDOT safety officials on the delivery of their respective safety updates for the October Technical Committee meeting.

Staff began coordination with VDOT, MDOT, and DDOT safety officials to understand their safety target setting methodologies. These are key inputs to the regional safety targets to be developed later this fall.

For the Analysis of Regional Roadway Safety Outcomes study, TPB and consultant staff continued coordination with officials from MDOT, DDOT, and VDOT to acquire and combine crash and roadway data. Summaries of the three peer MPOs were compiled by the consultant team and presented to staff for review.

### ***3.6 Bicycle and Pedestrian Planning***

The September 17 meeting of the Bicycle and Pedestrian Subcommittee was organized and conducted, including discussion of progress on data gathering for the Expand the Nation Capital Regional Trail project; the upcoming TPB activity to support TPB member agencies as they undertake projects, programs, and policies that will help realize the Visualize 2045 Aspirational Initiatives; and the technical assistance available from the National Park Service from the Rivers, Trails, and Conservation Assistance Program. A status memorandum and presentation on the Expand the Nation Capital Regional Trail project was also provided at the September 6 TPB Technical Committee meeting.

The September 27 “Best Practices in Pedestrian Enforcement” workshop was organized and conducted. The workshop convened police and planners from around the region to share ideas and outcomes from their pedestrian enforcement programs.

Preparations began for a next regional Dockless Micromobility Workshop slated for December 9.

Staff attended or participated in the following September 2019 events that support current and future Bicycle and Pedestrian Planning efforts:

- Prince George’s County Vision Zero Work Group kickoff meeting, September 11 in Largo, MD.
- Maryland Pedestrian-Bicycle Emphasis Area Team meeting, September 26 in Baltimore, MD.

### ***3.7 Regional Public Transportation Planning***

The Regional Public Transportation Subcommittee met in September. Agenda topics included updates on the VRE-MARC Run Through Study, Advanced Transit Signal Priority (NVTC), the Arlington County Zone-Based Demand Response Circulator/Feeder Service (Flex) Parameters Project, the Charles County’s Transit Development Plan, and Access To Opportunity: MDOT MTA’S Microtransit Pilot.

The 2018 State of Public Transportation report was completed.

Staff participated in the development of a memo and presentation on the Metro 2019 Summer Platform Shutdown work and its impacts on travel and transit ridership.

Staff participated in a meeting of the WMATA Bus Transformation Project and provided comments on the draft Action Steps. Staff also attended two WMATA JCC meetings.

### ***3.8 Freight Planning***

The bimonthly September 16, 2019 meeting of the Freight Subcommittee was organized and conducted, meeting at DDOT headquarters back-to-back with a DDOT ad hoc regional Curbside Management Coordination group meeting. Freight Subcommittee agenda topics included an overview of DDOT Curbside Efforts, a discussion on the upcoming TPB sponsored Regional Curbside Forum, an overview of DDOT’s Curbflow Pilot and a tour of a nearby Curbflow Pilot site.

Staff participated in the Maryland SHA Truck Parking Workshop on September 20.

### **3.9 Metropolitan Area Transportation Operations Coordination Program Planning**

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 September 5 MATOC Operations Subcommittee conference call was organized and conducted, discussing current regional operations and incident management topics.

The Winter 2019/2020 kickoff meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted, held September 10 at COG, providing an outlook of coordination activities for the upcoming season.

The September 13 MATOC Steering Committee meeting was organized and conducted, continuing discussion of communications, coordination, and Traffic Incident Management topics.

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Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	\$1,013,150	\$61,952	16%	39

## **4. PUBLIC PARTICIPATION**

### **4.1 Public Participation and Outreach**

The Citizens Advisory Committee (CAC) met on Thursday, September 12. At the meeting, the committee was briefed on work to expand the regional trail network and participated in an activity about the Aspirational Initiatives from Visualize 2045.

Staff began work on the update of the TPB's Public Participation Plan. As part of an initial information-gathering phase, staff convened three internal brainstorming sessions to review and discuss the existing plan, federal regulations, findings from the 2019 federal certification review, findings from a 2019 consultant evaluation of the TPB's public participation activities, and a selected sample of other MPO participation plans. In October, staff will pull together a recommended approach for the new plan, which will be presented to external stakeholders for input. The update process will take place throughout the fall with board approval expected early in 2020.

Staff recruited participants for the next session of the TPB's Community Leadership Institute, which will be held on October 30, November 5, and 7. A consultant was hired to help with recruitment to communities that have not typically been involved in the program. Staff worked on revisions to the curriculum.

Staff began preliminary planning activities related to the update of the long-range plan in 2022 and implementation of Visualize 2045, the plan adopted in 2018.

Staff reviewed resumes and interviewed three candidates for a public engagement specialist position.

### **4.2 Communications**

The TPB News, the TPB's online newsletter, featured stories on the items related to the TPB agenda in September:

- *A new app can help our region reach its transportation goals*  
September 10, 2019
- *Commuter Connections, American Lung Association, and American Heart Association Want You to Go Car Free on September 21, 22, or 23*  
September 12, 2019

- *Commuters are driving alone less, taking transit and teleworking more (First article with findings from the triennial State of the Commute Survey)*  
September 18, 2019
- *A brief recap of the September TPB meeting*  
September 24, 2019
- *Three big takeaways from the 2019 State of the Commute survey*  
September 24, 2019

Throughout the period, TPB staff maintained an active presence on social media.

Staff updated pages on the COG website related to transportation.

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Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	\$3,140,203	\$170,944	15%	41

## **5. TRAVEL FORECASTING**

### **5.1 Network Development**

2018 base-year transit network: This network was completed in FY 19 and is now being used at the basis for coding year-specific transit networks for the air quality conformity analysis of the 2020 Amendment to Visualize 2045 and the FY 2021-2024 Transportation Improvement Program (TIP). In September, staff created summary tables that compare the 2018 and 2017 base-year transit networks. The summary tables will be part of documentation that is expected in October.

Air quality conformity analysis of the 2020 Amendment to Visualize 2045 and the FY 2021-2024 TIP: This analysis will require six transportation networks as inputs to the travel demand forecasting model: 2019, 2021, 2025, 2030, 2040, and 2045. In September, staff finished coding the year-2019 network, included making the following updates:

- Staff reviewed the 2019 station file, which includes information about transit stations and associated parking lots.
- Staff coded transit routes on the new bus-only lanes on I Street NW, and H Street NW. The lanes represent 1.5 miles of bus-only routes in the downtown area.

Staff created a year-2025 transit network. Staff performed quality control/quality assurance (QC/QA) on the network, including making difference plots, which are useful in identifying errors.

2019 base-year transit network: Normally, in the fall, staff begins coding the base-year transit network that will be used as the basis for the following year's network coding activities. In September, staff printed transit schedules for 13 local and commuter bus routes that are not yet available in machine processible (GTFS) format.

Other activities: In September, staff identified an error in network coding practices that resulted in some future-year stations being included in the year-2019 station file. A solution was proposed in a memo dated September 23. Regarding the TPB staff survey of large MPOs to determine the techniques used by each MPO for managing and editing transportation networks, TPB staff began reviewing survey responses and began writing a technical memo.



## ***5.2 Model Development, and Support***

The Travel Forecasting Subcommittee (TFS) met on September 20. The agenda include the following items:

- Status report on TPB's travel demand forecasting model development activities
  - Gen2/Ver. 2.3 Model status report
  - Gen3 Model status report
- 2017-18 COG/TPB Regional Travel Survey: Status report
- Big Data Evaluation Project
- Maryland Statewide Transportation Model (MSTM), Latest Developments
- Prior to the meeting, staff had prepared draft meeting highlights from the July TFS meeting

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

The Ver. 2.3 Travel Model (specifically Ver. 2.3.78) will be used in the upcoming air quality conformity analysis. In addition to the transportation networks listed earlier, staff prepare several other input files needed to run the model:

- Zonal land-use data for a base year and a series of forecast years. Although COG's Department of Community Planning and Services (DCPS), working with the local governments, produces an initial set of zone-level land-use forecasts (e.g., Round 9.1a), TPB staff conducts two additional steps: 1) Convert five-year forecasts to annual forecasts using linear interpolation; 2) Apply a factor to employment forecasts to ensure that a consistent definition of employment is used throughout the modeled area. TPB staff completed this work in September and documented the work in a memo dated September 17.
- Updated a table of consumer price inflation (CPI) factors used to bring future-year costs and prices in the model to a common base year. Work was documented in a memo dated September 24.
- Exogenous inputs: In addition to land-use forecasts and networks, the model requires a series of additional input files: 1) Through trips; 2) External trip ends; 3) Miscellaneous vehicle trips (i.e., taxi, visitor/tourist and school vehicle trips); and 4) Airport-passenger auto-driver trips. These files were developed by staff and were documented in a memo dated September 25.

The model and the associated inputs were transmitted from the Model Development Group to the Model Application Group on September 25.

### **Developmental, travel demand forecasting model: Generation-2/Ver. 2.3 and Ver. 2.4**

Using the Ver. 2.3.78 Model as the baseline, staff continued work on two principal refinements to the Ver 2.3 Model: 1) Revising the trip distribution process for external auto trips, based on observed origin-destination data from cellular devices; and 2) Improving the model's performance on estimating commuter rail ridership. The Travel Forecasting Subcommittee was debriefed on this developmental work at the September 20 meeting. It is planned to combine all the model updates into an updated production-use model (Ver. 2.4) in the next few months. Documentation of the modeling tests and refinements is underway. It is planned that the Ver. 2.4 Model will be phased into production following the current air quality conformity analysis of the FY 2021-2024 TIP and Plan.

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

In June, in consultation with the DTP Director, it was decided that model development work should be shifted away from the Ver. 2.5 Model, and toward the Ver. 2.3 and 2.4 models. Development of the Ver. 2.5 Model could be resumed at a later point.

**Developmental, travel demand forecasting model: Generation-3**

The consultant selection process for RFP 19-015 (Consultant Assistance to Develop the Next-Generation Travel Demand Forecasting Model, known as the Gen3 Model) continued during September. In the summer, initial scoring resulted in a short list of potential vendors. Vendor interviews were held in late August and early September. Following the interviews, the TSC re-scored the vendor proposals, considering both the vendor proposals and the vendor interviews. The second scoring resulted in a preferred vendor. The selected vendor will be announced in the future by COG’s Contracting Office, after all necessary contracting steps have been undertaken.

COG’s Contracts and Purchasing Office, along with two TPB staff, debriefed two vendors who did not win the contract.

**Other activities**

Data requests and model support: Staff serviced six data requests in September. Requested data included a request for the adopted, production-use travel model (Ver. 2.3.75), a request for loaded-links highway networks and a request for vehicle trip matrices from a consultant working for DDOT and academics working for Montgomery Co.

Staff coordinated with COG’s Office of Information Technology (IT) to upgrade the operating system on one travel model server (TMS6), from Windows Server 2008 to Windows Server 2012.

Staff attended a Travel Model Improvement Program (TMIP) on September 11: Evaluation of Walk and Bicycle Demand Modeling.

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Task 6	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,978,852	\$112,030	18%	45

**6. MOBILE EMISSIONS PLANNING**

***6.1 Air Quality Conformity***

Upon finalizing the scope of work and input assumptions for an air quality conformity analysis of the FY 2021-2024 TIP and 2020 Amendment to the Visualize 2045 Plan, Department of Transportation Planning (DTP) staff developed transportation networks for analysis years 2019 and 2021.

In addition to the transportation networks, DTP staff also finalized development of tools and inputs pertaining to travel demand modeling and emissions modeling required to conduct the analysis.

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

***6.2 Mobile Emissions Analysis***

DTP staff continued working closely with COG’s Department of Environmental Programs (DEP) staff on development of the base-year emissions inventory submittal to EPA as part of the 2015 ozone National Ambient Air Quality Standards (NAAQS) requirements. On the September Metropolitan Washington Air Quality Committee Technical Advisory Committee (MWAQC-TAC) call (item #3), DEP staff discussed the project timeline and schedule for the base-year inventory development. Upon completion of travel demand and mobile emissions modeling activities, DTP staff documented the findings and transmitted MOVES-model estimates and corresponding modeling files regarding nitrogen oxides (NOx), volatile organic compounds (VOC), and carbon monoxide (CO) for the base year 2017 to DEP staff for review and processing. DEP staff presented possible scenarios related to

attainment of the 2015 Ozone NAAQS and possible implications of non-attainment (item #2 at MWAQC-TAC and item #5 at MWAQC).

DTP staff provided an update to the Technical Committee (item #8) on recent activities related to greenhouse gas (GHG) planning, described in the remainder of this section.

DTP staff conducted additional mobile emissions modeling analysis and troubleshooting related to the update of regional GHG inventories. Upon completion of all modeling activities, staff began preparing documentation related to this update.

DTP staff continued to work with DEP staff, member jurisdictions, and state air agencies to facilitate various aspects of GHG planning activities. Specifically, in the month of September, DTP staff attended an Electrify America D.C. Outreach Webinar and a D.C. Circulator Electric Vehicle Bus Workshop. Staff also attended the September Climate, Energy and Environment Policy Committee (CEEPC) meeting, where regional climate and energy action planning (item #3) and the Transportation and Climate Initiative (TCI) were discussed (item #4). Following the meeting, DTP staff met with DEP staff and Global Covenant of Mayors (GCoM) consultants to discuss the next steps in development of CEEPC’s 2030 Action Plan.

DTP management and staff, along with DEP staff and COG’s executive office representatives, coordinated activities with our members, as well as with other regional councils (COGs) and metropolitan planning organizations (MPOs) regarding TCI. Specifically, DTP and DEP staff met with the District of Columbia Department of Energy and Environment staff to discuss the upcoming developments related to TCI.

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	\$2,458,858	\$107,769	15%	47

**7. TRAVEL MONITORING AND DATA PROGRAMS**

***7.1 Regional Travel Survey***

Staff continued to process the RTS data including editing the trip files and finalizing weights for the Household and Person Files. Staff presented the preliminary findings of select indicators from the recruitment questionnaire which include household characteristics (e.g., household size, income, number of workers), number of vehicles, frequency of travel options, delivery services, and vehicle characteristics (e.g., vehicle year, fuel type, toll transponder) at the September 20 Travel Forecasting Subcommittee meeting. Staff also worked with RSG to finalize the survey plan for a 7-Day Panel Survey using a GPS smartphone app that will be conducted in October 2019.

***7.2 Traffic Analysis Studies, and Research***

Staff reviewed and evaluated the potential application of a question under consideration for including in the 2020 Vanpool Survey upon request by the Transportation Operations Program Director.

**Big Data in Regional Travel, and Mobility Analyses**

Staff conducted an internal project kick-off meeting with Kimley Horn. Staff also delivered a briefing on the Big Data Evaluation Project to TPB Technical Committee during its September meeting.

### **7.3 Regional Transportation Data Clearinghouse**

Staff produced an initial draft of the 2018 Regional Vehicle Miles Traveled (VMT) by Jurisdiction and Functional Classification spreadsheet and shared it with COG/TPB's freight planner. In addition, staff addressed internal and external questions and a request through the TPB Comment Page concerning Vehicle Miles Traveled (VMT).

Staff responded to a question from Virginia Department of Transportation (VDOT) staff regarding Metropolitan Planning Organization (MPO) boundaries to the TPB region.

Staff updated the Transportation Land Use Connection (TLC) geodatabase, web map, and map description on the COG web page as requested by TLC staff.

Staff finalized the 2017 regional Highway Performance Monitoring System (HPMS) feature class for inclusion in the RTDC. Staff also updated the Count Station file with new Anode, BNode Pairs on split links and new count stations and produced 2017 AADT by count station.

Staff provided content on the RTDC to fellow staff on the System Performance team for the 2020 Congestion Management Process (CMP) Technical Report.

Staff provided vehicle classification data for the District of Columbia to the Models Development Team.

Staff continued work on updating TPB's transit-related datasets that are used internally (on the G Drive) and shared in the RTDC. This work remains ongoing.

Staff continued downloading 2012 to 2016 Census Transportation Planning Product (CTPP) data, this work is also ongoing.

### **7.4 GIS Data, and Analysis**

Staff planned and participated in the GIS Committee/GDX Working Group meeting on September 17. Highlights of the meeting included: DC OCTO's experience with implementing ESRI's HUB, a demonstration of the mobile common operating map - GlobalFlyte and status reports on the NCR-GDX program and engaging the Emergency Management community.

Staff attended the Cooperative Forecasting Subcommittee meeting held on September 10, the Bicycle and Pedestrian Subcommittee meeting held on September 17, and the TPB Travel Forecasting Subcommittee meeting held in September 20.

Staff prepared a memo for the September 18 TPB meeting describing network-based walksheds which staff developed for existing High Capacity Transit (HCT) stations. This item was on the September agenda and was postponed to be subsequently included in the October meeting of the board.

Staff worked with fellow staff on the development of a memo containing background information and the draft staff list of priority stations identified for the Transit Access Focus Areas (TAFA) project.

Staff held a meeting for fellow DTP and COG staff on September 18 to provide an internal briefing on the TAFA project to explain the project and solicit feedback on the process. Staff began outreach to TPB member jurisdictions to schedule meetings with jurisdictional staff to discuss the draft prioritized list of High Capacity Transit (HCT) stations as part of the Station Access project. Additional detail progress about this project is reported in the Long-Range Transportation Plan section of this progress report.

Staff met with staff from the Rails to Trails Conservancy (RTC) and Washington Area Bicyclist Association (WABA) to discuss recent updates to the Capital Trails Coalition (CTC) network of regional bicycle facilities. Staff worked with staff from Loudoun County to identify the most appropriate nonmotorized geospatial dataset for evaluation for inclusion in the update of the National Capital Trail network. Staff completed work on developing a draft network of bicycle and pedestrian facilities used to expand the National Capital Trail. This network was shown to the members of the Bicycle and Pedestrian Subcommittee at its September meeting. Additional detail progress about this project is reported in the Bicycle and Pedestrian section of this progress report.

Staff performed software updates for ArcGIS on user desktop workstations, as requested.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING	\$1,116,639	\$77,822	19%	51

**8. SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING**

**8.1 Scenario Planning**

Staff conducted internal coordination with the Plan Coordination and Development team to further determine Scenario Planning which will be used to support the next long-range plan as well as its increasing role in the core programs.

**8.2 Socioeconomic Forecasting**

COG Department of Community Planning and Services staff with COG’s communications division prepared the report, The Future of Housing in Greater Washington: A Regional Initiative to Create Housing Opportunities, Improve Transportation, and Support Economic Growth, to address the TPB Long-Range Plan Task Force (LRPTF) / Visualize 2045 initiative to locate jobs and housing closer together. COG Executive Director, DCPS Director and other partners briefed the COG Board at their September 11 meeting on the final recommended housing targets. The COG Board unanimously adopted the targets which broadly call for: at least 320,000 total new housing units between 2020 and 2030: 75,000 more than are in the current Cooperative Forecasts; 75 percent of all new households should be located in or near Activity Centers and High-Capacity Transit Stations; and 75 percent of all new housing units should be affordable to low- and middle-income households. To advance the initiative and seek better jobs and housing balance, DCPS Director presented the Board Housing Targets to the Prince William County Board of Supervisors on September 3; the 2030 Group on September 13; the National Capital APA conference on September 13; and the Apartment and Office Building Association on September 26.

In September, the Planning Directors Technical Advisory Committee continued the COG Board Housing Initiative discussion that supports increasing the amount and location of more housing in Activity Centers and High-Capacity Transit Station areas. Committee members evaluated final proposed regional housing production targets for the years 2020 through 2030 in advance of the Board Leadership Retreat. Committee members also discussed several technical approaches for developing voluntary local ‘contributions’ to achieve the additional 75,000 units beyond those in the current Cooperative Forecasts.

To assist with the development of their baseline population and housing estimates, at the September Cooperative Forecasting Subcommittee meeting, U.S. Census Bureau staff Robert Chestnut, Assistant Division Chief with the Center for Enterprise Dissemination Services and Consumer Innovation (CEDSCI) at the U.S. Census Bureau demonstrated how to access Census data from the [new Census data website](#).

Also, at the September Forecasting meeting, DCPS staff requested that members come prepared in October to discuss the best sources for acquiring data within their jurisdictions on housing production to monitor progress towards the regional Housing Targets including building permits, certificates of occupancy, etc.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILITY AND ENHANCEMENT PROGRAMS	\$649,946	\$28,903	13%	55

**9. MOBILITY, and ENHANCEMENT PROGRAMS**

**9.1 Enhanced Mobility Grant Program**

The 2019 Enhanced Mobility application launched on September 1.

Staff held an Access for All Advisory Committee (AFA) meeting on September 5:

Hannah Henn, Rapid Transit System Project Coordinator, Montgomery County Department of Transportation presented to the Access for All Advisory Committee (AFA) on a regulation outlining improved incentive programs for accessible taxis. The program presents opportunity for grantees awarded accessible taxis under the Enhanced Mobility Program to leverage the funding and a possible source of matching funds for applicants from Montgomery County in the current solicitation.

COG staff reminded the committee about the opening of the 2019 Enhanced Mobility Solicitation, the date of the final pre-application conference, and the possibility of the added webinar session.

AFA Chair Kacy Kostiuk updated the committee on her presentation of AFA concerns to attendees of COG’s Dockless Vehicle Workshop that was held May 30. A discussion ensued about next steps and the committee expressed interest in developing a product outlining the concerns for presentation to dockless pilot programs in the jurisdictions and for further discussion at the next AFA meeting.

AFA members who also serve on other regional committees (WMATA Accessibility Advisory Committee, Prince George’s County Commission for Individuals with Disabilities, WMATA’s Bus Transformation Strategic Planning Committee/Work Group, Fairfax Area Long Term Care Coordinating Council Mobility and Transportation Committee, Arlington County Disability Advisory Commission) discussed the intersection between AFA and these committees; how information from the AFA is shared and acted upon and vice versa. The members confirmed the benefits of the resulting feedback loop.

Planning also began for the November 7 AFA meeting, including consideration of a format for the committee’s request for further action regarding dockless vehicles and safety.

During the month of September staff also sent a reminder about the 2019 Enhanced Mobility Solicitation to COG/TPBs email lists and preapplication conferences were held on September 4 and September 10. Staff planned and added a webinar session for October 1 and provided technical assistance to interested applicants.

**9.2 Transportation Alternatives Set-Aside Program**

The TPB Steering Committee on September 6 approved a transfer of \$1,483,878 in unobligated TA Set Aside funding to four projects in Virginia that were previously approved for funding by the TPB. The Steering Committee also approved corrections to provide \$10,262 in additional TA Set-Aside funding for two projects in Maryland.

**9.3 Transportation Land-Use Connections Program**

Staff continued the consultant procurement process for the new TLC projects. Staff formed selection panels to review proposals for each of the 13 projects. Members of the panels were asked to review the proposals (3-6 per project) and submit evaluation scores in September. For eight of the projects, consultants were selected based solely on the scores of the selection panels. For five of the projects, the evaluators’ scores were inconclusive and therefore consensus meetings were required to make a final selection of consultants. The projects are expected to begin October.

Staff worked on developing a peer exchange event for later this year. Staff also began conducting research on implementation activities resulting from TLC projects from three recent years – FY 2016, FY 2017, and FY 2018.

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Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$978,789	\$68,962	18%	57

**10. TPB SUPPORT AND MANAGEMENT**

***10.1 Transportation Planning Board Committee Support and Management and Unified Planning Work Program***

The TPB Technical Committee met on September 6. Agenda items included a review of the minutes from the committee’s July meeting, a presentation by Commuter Connections staff on the 2019 State of the Commute Draft Technical Report, a discussion and presentation on TPB Aspirational Initiative Activities, a presentation by MDOT on their state’s activities to address safety challenges in the region, a presentation on the launch of a new TDM focused mobile application named, “incentrip,” and updates on the Big Data Evaluation Project, the Expand the National Capital Trail Initiative and on Green House Gas Planning Activities.

The National Capitol Region Transportation Planning Board (TPB) met on September 18, 2019. At this meeting the board acted to approve Resolution R5-2020 to amend the FY 2019-2014 TIP to update projects and funding for DC as requested by DDOT. The board approved the minutes of its July 2019 meeting, received a report from the Staff Director, the Technical Committee Chair as well as the Chairs of the Citizen’s Advisory Committee (CAC) and the Access for All Advisory Committee (AFA), in addition to learning of recent TPB Steering Committee actions.

Also, the board received informational briefings on the 2019 State of the Commute Draft Technical Report, MDOT’s activities to address safety challenges in the region, TPB member site visits in relation to ongoing activities associated with the long-range plan, in addition to a demonstration of a web mapping tool that supports the Visualize 2045 “Improve Walk and Bike Access to Transit,” aspirational initiative that is associated with another project called, “Walkshed for Existing High Capacity Transit Stations.”

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

- Provide 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 concerning transportation.
- 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
- Metropolitan Area Transportation Operations Coordination Program (MATOC)
- Regional Public Transportation Subcommittee (RPTS)
- Citizens Advisory Committee (CAC)
- System Performance, Operations, and Technology Subcommittee (SPOTS)

Support activities from administrative staff included: meeting logistics with meeting rooms and amenities, copying and distribution of meeting materials, email/phone call follow ups. Staff also worked on monitoring work program activities, providing administrative assistance to senior staff and monitoring and prepare financial reports. Additionally, administrative staff work on monthly financial administration and management activities which include, 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 for all the Department's activities. Work activities the Director was involved in during the month of September 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 staff 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 Metrorail 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 **September FY 2020** includes:

- Bus Transformation Project: Strategy Advisory Panel Meeting
- COG Big Data Kickoff
- COG Board of Directors Meeting
- SOC Discussion / Briefing
- MWAQC Strategic Planning Discussion with COG-DEP
- COG Planners Directors Meeting
- SOW Fair Housing Project / Next Step Housing with COG-DCPS
- Scenario Planning Follow-up
- Conference call with BTP Staff on next steps



**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 prepare all necessary federal grant application 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	\$1,573,168	\$23,208	5%	59
District of Columbia	\$288,548	\$12,920	15%	59
Maryland	\$641,082	\$2,092	2%	61
Virginia	\$461,312	\$8,195	6%	64
WMATA	\$182,226	\$0	0%	67

**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 continued to communicate with DDOT staff about proposed work for the FY 2020 DC Technical Assistance program. TPB staff transmitted an updated budget and memo detailing the scope of work for the FY 2020 DC HPMS program.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

Staff worked with DDOT staff to plan and participate in the September 25 HPMS Committee meeting. Staff presented the CY2019 short-term and PCS count data. Staff prepared a summary of the meeting, which was shared with DDOT staff.

Staff responded to the traffic related questions from FHWA about the 2018 HPMS submittal and attended the HPMS 2018 Submittal Close-out discussion with FHWA.

Staff summarized and analyzed the August traffic data from PCS, FTMS, and HERE stations and shared the summaries with DDOT staff for field inspection purposes. Staff prepared maps and letters for DDOT to use to request permission to count in USCP/NPS/Secret Service areas. Staff assigned all the 2019 fall counts to the contractor.

Staff reviewed all the sections proposed to be removed from DC HPMS sample and provided the comments to DDOT.

## **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.

### Feasibility/Special Studies

*Traffic Relief Plan (TRP)*: Staff attended the September I-495 & I-270 Managed Lanes Transit Work Group meeting to monitor the project development activities. This workgroup is tied to the I-495 & I-270 Managed Lanes NEPA Study. During the meeting, which focused on carpooling and vanpooling in Metropolitan Washington, staff provided input to the study team regarding the TPB/COG-related planning activities referenced in the presentation.

### Transportation / Land Use Connections Program

As part of the Transportation/Land-Use Connections Program, five technical assistance projects in Maryland were fully or partially funded through the Maryland Technical Assistance Program. See TLC item above for further details about the TLC Program.

### MARC-VRE Run Through Analysis

During this time period, this project was focused on two tasks: the continued review of the background research synthesis (Task 2) and identifying travel sheds (Task 3.1). Staff participated in a conference call to review the background research synthesis with representatives from MARC and VRE. Comments from that call were relayed to the consultant and incorporated into a presentation delivered to the Regional Public Transportation Subcommittee. The consultant also began work to identify travel sheds. Staff conducted bi-weekly coordination calls with the consultant.

## **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. Staff also met and coordinated with VDOT staff to confirm next steps for the Technical Assistance Program, including: (1) proceeding with the Nonmotorized Study (Phase II) and (2) anticipating a scope for a Park & Ride Study in the Spring.

### Travel Monitoring and Survey

For the I-66 Corridor and I-395 Corridor Mode Share Studies, staff requested the final review and comments for the studies from NVTC and VDOT. The I-66 Corridor Study was finalized on September 25. The deadline for final comments for the I-395 Corridor Study was extended to October 4.

Two phases are now underway for the Nonmotorized Study (Phase II). Staff continued to finalize the Nonmotorized Study (Phase I) report, including reaching out to the counting contractor to confirm details about two counts collected in the Spring. Staff also received and reviewed a number of CDs that VDOT staff anticipated might contain historic count records. For Phase II, after staff obtained confirmation to proceed, staff began updating the scope of work for 24 counts and inquired with the counting contractor about additional costs to report scooters separately during data collection.

### MARC-VRE Run Through Analysis

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

### Transportation / Land Use Connections Program

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

#### ***11.4. Regional Transit/Wmata***

##### Program Development

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

##### TIGER Grant Performance Monitoring Addendum

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

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### **CONTINUOUS AIRPORT SYSTEM PLANNING**

#### Comprehensive Regional Air System Plan Update – Phases 2 and 3

In coordination with the Metropolitan Washington Airports Authority (MWAA), and the Maryland Aviation Administration (MAA), staff continued to finalize Phase 2 of the Regional Air System Plan (RASP) and began work on Phase 3. As part of this staff provided the Aviation Technical Subcommittee an update on the RASP at its September 26, 2019 meeting.

#### Process 2019 Air Passenger Survey - Phase 1

During this reporting period, key tasks were performed to prepare for the 2019 Washington-Baltimore Regional Air Passenger Survey, which will be conducted during October at the region's three large airports: 1) Baltimore/Washington Thurgood Marshall Airport (BWI), 2) Washington Dulles International Airport (IAD), and 3) Ronald Reagan Washington National Airport (DCA).

The Technical Selection Committee (TSC) reviewed the proposals received in response to RFP 20-002: Assistance Conducting the 2019 Washington-Baltimore Regional Air Passenger Survey. As part of this process, the TSC recommended an award and a contract was offered and executed for consultant support for the survey. Staff coordinated the initial work activities of the consultant on logistical preparations for the survey. In addition to coordinating with the consultant, staff led coordination activities for survey field operations, including:

- Successfully obtaining necessary clearances and credentials for staff at all three airports for field operations
- Attending and participating in Airline Managers Meetings at all three airports, briefing the airline representatives on the upcoming survey and requesting their at-gate assistance during survey data collection
- Preparing individual survey packets for each of the flights included in the survey, and delivering the surveys to the airports
- Coordinating with each of the airports to obtain temporary dedicated space to conduct survey field operations

The survey start date originally was scheduled for October 6; however, due to unforeseen delays in executing the consultant contract, the start date for the two-week data collection period was pushed back to October 16. As a result of this delay, staff had to re-create the survey sample to include those flights that would occur during the revised two-week survey period.

## **PROGRESS TOWARD REPORTS AND PLANS**

### 2019 State of Public Transportation Report

- Work to begin in December 2019
- Estimated completion June 2020

### Congestion Management Technical Report

- Information compilation and report development continued
- A draft report is anticipated by April 2020, finalization by June 2020

### Big Data in Regional Travel and Mobility Analyses

- Held internal project Kickoff meetings
- Estimated completion June 2020

### VRE-MARC RUN THROUGH SERVICE

- Background research (Task 2) presented to Regional Public Transportation Subcommittee
- Consultant currently identifying travel sheds
- Estimated completion March 2020

### Public Participation Plan

- Convened internal brainstorming sessions to discuss potential changes from 2014 plan
- Estimated completion: March 2020

### Station Access Study

- Finalized and reviewed the preliminary staff list of Transit Access Focus Areas (Phase I)
- Began to schedule site visits to get local feedback on the preliminary list (Phase II)
- Estimated completion: February 2020

### Performance Based Planning and Programming

#### Highway Safety

- Deliver Regional PBPP Safety Targets
- Data compilation and analysis begun September 2019
- Completion anticipated December 2019

#### Transit Asset Management

- Deliver Regional PBPP Transit Asset Targets
- Data compilation and analysis to begin November 2019
- Completion anticipated February 2020

#### Safety Study

- Deliver Regional Safety Study Findings and Recommendations
- Consultant provided input to staff toward findings and recommendations
- Completion anticipated February 2020

#### System Performance – National Capital Region Freight Plan

- The National Capital Region Freight Plan was approved by the TPB in July 2016
- Traditionally the plan is updated every five years
- The current plan is anticipated to be approved by the TPB in 2021

BRT land use and service standards document

- No action pending WMATA Bus Transformation Project outcome

Bicycle and Pedestrian Plan

- Activity is anticipated subsequent to the Expand the Nation Capital Regional Trail project, for information from that effort to be included in the plan update
- Completion anticipated June 2020

National Capital Regional Trail

- Progress was made on data gathering, with a first draft anticipated for Bicycle and Pedestrian Subcommittee reaction in November
- Completion anticipated December 2019

Metropolitan Washington Regional Intelligent Transportation Systems Architecture (MWRITSA)

- No milestones to report for this period
- The most recent MWRITSA full update was posted on the TPB website in July 2019. Minor adjustments and updates are anticipated by June 2020

Coordination Human Services Transportation Plan

- The current Coordinated Plan was adopted by the TPB in December 2018
- The 2019 Enhanced Mobility application launched on September 1
- 2019 Enhanced Mobility Solicitation will open in October and close November 4, 2019
- The election committee will convene in December 2019
- Recommended projects will be brought before the TPB for review and approval in January and February 2020
- The next update of the Coordinated Plan will occur in 2022

Transportation Improvement Program (TIP)

- The current TIP was approved by the TPB on October 17, 2018 for FY 2019–2024
- Staff is currently in the process of collecting data for the FY 2021-2024 TIP
- The call for projects was announced in May 2019
- Inputs for the TIP are due December 2019
- A public forum will be held on March 12, 2020
- The 2021 – 2024 TIP is anticipated to be approved following a comment period in May 2020

Visualize 2045

- The Long-Range plan was adopted by the TPB on October 17, 2018
- Staff remain engaged in promoting the aspirational element of the plan
- The next update to the plan is anticipated in FY 2022

**FY 2020 TRANSPORTATION PLANNING BOARD**

**COG/TPB BUDGET EXPENDITURE SUMMARY**

September 2019

	DC, MD and VA FTA, FHWA and LOCAL BUDGET TOTAL	FUNDS EXPENDED	BILLED THIS MONTH	% FUNDS EXPENDED
<b>1. Long-Range Transportation Planning</b>				
Long - Range Transportation Planning	1,002,493.00	163,688.44	58,833.40	16%
<b>SUBTOTAL</b>	<b>1,002,493.00</b>	<b>163,688.44</b>	<b>58,833.40</b>	<b>16%</b>
<b>2. Transportation Improvement Program</b>				
Transportation Improvement Program	263,982.00	63,558.50	19,791.94	24%
TIP Database Support	170,000.00	12,417.00	0.00	7%
<b>SUBTOTAL</b>	<b>433,982.00</b>	<b>75,975.50</b>	<b>19,791.94</b>	<b>18%</b>
<b>3. Planning Elements</b>				
Congestion Management Process	613,020.00	123,037.38	41,668.32	20%
Systems Performance, Ops & Tech Planning	659,650.00	127,657.83	49,543.44	19%
Transportation Emergency Preparedness Planning	124,162.00	32,116.21	10,027.44	26%
Transportation Safety Planning	298,785.00	38,414.67	11,394.97	13%
Bicycle & Pedestrian Planning	141,278.00	38,711.55	14,063.29	27%
Regional Public Transportation Planning	322,516.00	43,986.71	20,442.38	14%
Freight Planning	222,293.00	21,848.10	7,379.55	10%
Metropolitan Area Transportation Operation Coord Program Planning	164,580.00	44,240.86	17,335.57	27%
Performance-Based Planning & Programming	304,526.00	53,503.85	20,240.16	18%
<b>SUBTOTAL</b>	<b>2,850,810.00</b>	<b>523,517.18</b>	<b>192,095.12</b>	<b>18%</b>
<b>4. Public Participation</b>				
Public Participation	1,013,150.00	163,911.33	61,952.50	16%
Communications	0.00	0.00	0.00	0%
<b>SUBTOTAL</b>	<b>1,013,150.00</b>	<b>163,911.33</b>	<b>61,952.50</b>	<b>16%</b>
<b>5. Travel Forecasting</b>				
Software Support	176,296.00	31,902.84	9,804.89	18%
Network Development	657,578.00	180,936.90	74,039.88	28%
Model Development	2,306,329.00	250,881.46	87,099.64	11%
<b>SUBTOTAL</b>	<b>3,140,203.00</b>	<b>463,721.20</b>	<b>170,944.40</b>	<b>15%</b>
<b>6. Mobile Emissions Planning</b>				
Air Quality Conformity	888,388.00	166,837.09	54,593.78	19%
Mobile Emissions Analysis	1,090,464.00	189,715.13	57,436.69	17%
<b>SUBTOTAL</b>	<b>1,978,852.00</b>	<b>356,552.22</b>	<b>112,030.47</b>	<b>18%</b>
<b>7. Travel Monitoring and Data Programs</b>				
Regional Travel Survey	745,208.00	158,931.09	54,522.64	21%
Traffic Analysis & Research	675,464.00	18,075.96	3,626.07	3%
Regional Transportation Data Clearinghouse	455,937.00	45,969.99	18,021.91	10%
GIS Analysis	582,249.00	155,375.64	32,599.29	27%
<b>SUBTOTAL</b>	<b>2,458,858.00</b>	<b>378,352.68</b>	<b>108,769.90</b>	<b>15%</b>
<b>8. Planning Scenarios and Socioeconomic Forecasting</b>				
Socioeconomic Forecasting	761,012.00	205,781.61	76,002.94	27%
Scenario Planning	355,627.00	4,545.58	1,819.48	1%
<b>SUBTOTAL</b>	<b>1,116,639.00</b>	<b>210,327.18</b>	<b>77,822.42</b>	<b>19%</b>
<b>9. Mobility and Enhancement Programs</b>				
Transportation and Land Use Connections Program	492,958.00	44,589.60	14,255.54	9%
Enhanced Mobility Grant Program	105,634.00	29,485.08	10,130.57	28%
Transportation Alternatives Set-Aside Programs	51,354.00	13,514.27	4,517.34	26%
<b>SUBTOTAL</b>	<b>649,946.00</b>	<b>87,588.95</b>	<b>28,903.45</b>	<b>13%</b>
<b>10. TPB Support and Management</b>				
TPB Support and Management	978,789.00	176,582.76	68,962.50	18%
<b>SUBTOTAL</b>	<b>978,789.00</b>	<b>176,582.76</b>	<b>68,962.50</b>	<b>18%</b>
<b>SUBTOTAL CORE PROGRAM ITEMS 1-10</b>	<b>15,623,722.00</b>	<b>2,600,217.43</b>	<b>900,106.11</b>	<b>17%</b>
<b>TECHNICAL ASSISTANCE</b>				
District of Columbia Technical Assistance	288,548.00	42,727.91	12,920.77	15%
Maryland Technical Assistance	641,082.00	10,805.15	2,092.77	2%
Virginia Technical Assistance	461,312.00	25,626.51	8,195.37	6%
WMATA Technical Assistance	182,226.00	0.00	0.00	0%
<b>Technical Assistance Program Total</b>	<b>1,573,168.00</b>	<b>79,159.57</b>	<b>23,208.91</b>	<b>5%</b>
<b>TPB GRAND TOTAL</b>	<b>17,196,890.00</b>	<b>2,679,377.01</b>	<b>923,315.02</b>	<b>16%</b>

**FY 2020 TRANSPORTATION PLANNING BOARD  
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**

September 2019  
SUPPLEMENT 1

	TOTAL		FTA/STA/LOC		PL FUNDS/LOC	
	AUTHORIZED BUDGET	TOTAL EXPENDITURES	AUTHORIZED BUDGET	FTA EXPENDITURES	AUTHORIZED BUDGET	FHWA EXPENDITURES
<b>A. District of Columbia Technical Assistance</b>						
Program Development & Misc	10,000.00	1,893.69	1,422.89	269.45	8,577.11	1,624.24
Traffic Counts & HPMS Support	235,000.00	40,834.22	33,437.99	5,810.27	201,562.01	35,023.95
Other Tasks	43,548.00	0.00	6,196.42	0.00	37,351.58	0.00
<b>SUBTOTAL</b>	<b>288,548.00</b>	<b>42,727.91</b>	<b>41,057.30</b>	<b>6,079.73</b>	<b>247,490.70</b>	<b>36,648.18</b>
<b>B. Maryland Technical Assistance</b>						
Program Development & Misc	15,000.00	781.41	2,134.34	111.19	12,865.66	670.22
Planning Studies	100,000.00	4,874.74	14,228.93	693.62	85,771.07	4,181.11
Feasibility/Special Studies	50,000.00	0.00	7,114.47	0.00	42,885.53	0.00
Transportation Performance Measures	100,000.00	0.00	14,228.93	0.00	85,771.07	0.00
Training, Misc and Tech Support	20,000.00	0.00	2,845.79	0.00	17,154.21	0.00
Transportation/Land Use Connection Program	260,000.00	0.00	36,995.23	0.00	223,004.77	0.00
Other Tasks	61,082.00	0.00	8,691.32	0.00	52,390.68	0.00
MARC - VRE Runthrough - MD	35,000.00	5,149.00	4,980.13	732.65	30,019.87	4,416.36
<b>SUBTOTAL</b>	<b>641,082.00</b>	<b>10,805.15</b>	<b>91,219.13</b>	<b>1,537.46</b>	<b>549,862.87</b>	<b>9,267.69</b>
<b>C. Virginia Technical Assistance</b>						
Program Development & Misc.	15,000.00	181.53	2,134.34	25.83	12,865.66	155.70
Travel Monitoring	148,000.00	20,295.98	21,058.82	2,887.90	126,941.18	17,408.08
Travel Demand Modeling	38,000.00	0.00	5,406.99	0.00	32,593.01	0.00
Sub-regional Planning Studies	58,000.00	0.00	8,252.78	0.00	49,747.22	0.00
Other Tasks	7,312.00	0.00	1,040.42	0.00	6,271.58	0.00
Transportation Land Use Connections	160,000.00	0.00	22,766.29	0.00	137,233.71	0.00
MARC - VRE Runthrough - VA	35,000.00	5,149.00	4,980.13	732.65	30,019.87	4,416.36
<b>SUBTOTAL</b>	<b>461,312.00</b>	<b>25,626.51</b>	<b>65,639.78</b>	<b>3,646.38</b>	<b>395,672.22</b>	<b>21,980.14</b>
<b>D. WMATA Technical Assistance</b>						
Program Development & Misc	5,000.00	0.00	5,000.00	0.00	0.00	0.00
Other Tasks	177,226.00	0.00	177,226.00	0.00	0.00	0.00
<b>SUBTOTAL</b>	<b>182,226.00</b>	<b>0.00</b>	<b>182,226.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>GRAND TOTAL</b>	<b>1,573,168.00</b>	<b>79,159.57</b>	<b>380,142.21</b>	<b>11,263.56</b>	<b>1,193,025.79</b>	<b>67,896.01</b>