

FY 2020



National Capital Region
Transportation Planning Board

Work Program Progress Report

November 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 November. 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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Task 1	BUDGET	Billed this month	% Funds Expended	UPWP Page
LONG RANGE TRANSPORTATION PLANNING	\$1,002,493	\$55,742	27%	29

1. LONG-RANGE TRANSPORTATION PLANNING

1.1 Long-Range Transportation Plan

Staff continued refining an approach, a schedule and an outline, and a workplan for the next quadrennial plan update that is expected to be approved in 2022. Staff continued coordinating with other DTP staff to conceptualize planning activities that will inform the next long-range plan. Staff continued to advance potential activities to increase the robustness of the TPB's evaluation of federal performance factors such as resiliency, and of other impacts on the transportation system such as new transportation technologies. Staff began coordinating with the public involvement team to develop a coordinated outreach approach for the next plan. Staff engaged other staff across DTP departments to identify and discuss potential performance measures that could support a new performance analysis.

On November 12, 2019, staff welcomed and began onboarding the new staff person, who was the selected candidate to fill a vacant position that would primarily support UPWP tasks.

Staff also continued to coordinate the implementation of activities related to the aspirational initiatives in Visualize 2045. Staff continued to schedule and conduct the 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 Aspirational Initiatives. Staff conducted four meetings in November. Staff developed packages for each meeting including printed materials to be shared with the members during site visits, including Visualize 2045 Aspirational Initiatives Brochures, TPB Policy Framework summaries, MPO 101 handouts and agendas. Staff also continued to develop a summary memorandum for each jurisdiction of the Visualize 2045 geographically based comments and created online folders to shared GIS files and digital copies of these memorandums. Staff also developed for internal staff use a series of profile packets that includes information such as latest demographic and employment information, and local planning documents. These packets are for review by the staff that are conducting these visits.

1.2 Federal Compliance

Staff coordinated with Stafford County, the Fredericksburg MPO, and FHWA 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 the 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 work on a project to identify Transit Access Focus Areas (TAFAs), which will prioritize locations for pedestrian and bicycle access improvements. TPB staff met with staff at the region's five largest jurisdictions to brief them on the project and get their feedback on a preliminary staff list of TAFAs locations.
- 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 – Commuter Connections Program continued to make available to the public the Incentrip app that launched on August 28. 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	\$55,508	34%	31

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1 Transportation Improvement Program (TIP)

At its meeting on November 1, the TPB Steering Committee approved one resolution to amend the FY 2019-2024 to include CMAQ funding for the Rock Creek Park Trail project as requested by DDOT.

TPB staff processed administrative modifications for three projects as requested by MDOT.

2.2 TIP Database support

A working group of TPB staff and member agency users continued work with EcoInteractive staff to import data from the iTIP database and the DOT's systems into the Project InfoTrak system. The working group began assigning data values to selected fields in the data import/conversion process. Staff also began the compilation of Air Quality data. EcoInteractive and TPB staff began the process of eliminating duplicate records and finding records without matches in corresponding tables.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$2,850,810	\$179,830	31%	33

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff conducted a webinar with the new Project Info Track database contractor to consider options for the incorporation of performance-based planning elements.

Staff assisted in the presentation of briefings on the region's highway safety target setting options for presentation to the TPB and the TPB Technical Committee in November. Staff also participated in Regional Safety Study working meetings.

Staff commenced the collection of data for regional Transit Asset Management targets to be set in 2020, reaching out to transit agencies for their individual 2020 targets and 2019 performance data.

3.2 Congestion Management Process

Analysis undertaken to update the draft impact analysis of the May-to-September maintenance shutdown of a segment of the Metrorail Blue and Yellow Lines was presented to the TPB Technical Committee at its November 1, 2019 meeting.

Congestion Management Process (CMP) data compilation and analysis for the 2020 CMP Technical Report, and for upcoming Quarterly Reports, continued.

3.3 Systems Performance, Operations, and Technology Planning

Planning for FY 2020 TPB forums on connected and autonomous vehicles (CAV) continued, including a November 7 meeting/conference call of the ad hoc CAV Forums Advisory Group advising planning of the forums.

Staff also participated in the following external events or activities in conjunction with SPOT planning:

- NCHRP 08-127 panel “Emerging Issues: Impact of New Disruptive Technologies on the Performance of DOTs”, October 31 – November 1, in Washington
- Greater Washington Board of Trade Connected DMV Mobility & Logistics Solutions Group meeting, November 14 in Washington
- Third Annual USDOT Senior Executive Transportation and Public Safety Summit, November 14 – 15 in Washington, including extensive discussion of Traffic Incident Management
- CHART Board of Directors meeting, November 22 in Hanover, MD

3.4 Transportation Emergency Preparedness Planning

The regularly scheduled November 13, 2019 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 presented a proposed regional safety target setting methodology to the Technical Committee, finalized, and presented to the Transportation Planning Board at its November 20 meeting.

Staff presented the draft regional safety targets as well as other safety-related materials to the Bicycle and Pedestrian Subcommittee on November 19.

For the Analysis of Regional Roadway Safety Outcomes study, TPB and consultant staff, hosted a meeting with the Technical Advisory Panel (TAP) to review the results of the crash data analysis to date and decide on which three emphasis areas/contributing factors to analyze more deeply. Consultant staff continued both network screening and crash data analysis.

3.6 Bicycle and Pedestrian Planning

The regularly scheduled November 19, 2019 Bicycle and Pedestrian Subcommittee meeting was organized and conducted. Agenda topics include the “Expand the National Capital Regional Trail” Project; draft highway safety targets for the region; the 2019 State of the Commute Survey Report; and the ITE Curbside Management Practitioners Guide.

Work continued on the Visualize 2045 Aspirational Initiation “Expand the National Capital Regional Trail”. Due to additional technical information still being under development by involved local jurisdictions, the anticipated completion date was moved from December 2019 to February 2020.

Coordination and technical advice continued for the fall 2019 Street Smart pedestrian and bicyclist safety outreach campaign; briefings were provided at the November 14 TPB Citizen Advisory Committee meeting and the November 20 TPB meeting.

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

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

- Capital Trails Coalition Steering Committee meeting, November 12 in Washington
- Pedestrian-Bicyclist Emphasis Area Team meeting, November 21 at Baltimore Metropolitan Council

3.7 Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met in November. Agenda topics included: WMATA with an update on the Abilities Ride program; Prince George's County on implementing their transit vision plan and an initiatives update; and Omniride on the plan for western Prince William County local bus; as well as presentations by staff on the progress of the PBPP transit asset and transit safety requirements.

Staff participated in meetings of the WMATA Bus Transformation Project and provided comments on draft documents. Staff also attended the monthly WMATA JCC meeting.

3.8 Freight Planning

Staff participated in the Frederick Freight Needs Assessment TLC project kickoff on November 12.

Staff participated in a Maryland State freight Advisory Committee meeting on November 20.

Staff coordinated with the TPB Freight Subcommittee Chair to develop agenda items and speaker ideas for CY 2020 Freight Subcommittee meetings.

Staff began initial development of ideas and themes for the Regional Curbside Management Forum.

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.

A special conference call of the MATOC Operations Subcommittee was organized and conducted on November 1 to coordinate planning for traffic operations during the Nationals Championship Parade Event in Washington.

The November 12 meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted at the National Weather Service offices in Sterling, VA.

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	\$1,013,150	\$62,741	28%	39

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

Staff conducted the 17th round of the TPB's Community Leadership Institute for three evening sessions in October and November. Twenty-two community leaders participated, which is a larger number than usual. The program provides participants from throughout the region an opportunity to

learn about regional transportation challenges and opportunities, and encourages them to “think regionally and act locally,” when addressing transportation issues in their communities.

Staff continued 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. Based on these discussions, staff pulled together a recommended approach for the new plan, which will be presented to external stakeholders for input. The update process will take place over the fall and winter. Board approval is expected in the spring of 2020.

The Citizens Advisory Committee (CAC) met on Thursday, November 14. At the meeting, the committee was briefed on the StreetSmart bicycle and pedestrian safety campaign. The committee also discussed ideas for making transportation in the region safer and responded to changes for committee recruitment for 2020.

The Access for All Advisory Committee met on November 7. The committee provided input for the update of the TPB’s Participation Plan and discussed concerns regarding dockless vehicles.

A new public engagement specialist began work on November 12. She will help to conduct outreach for the TPB’s various planning activities, including the next update of the long-range plan, as well as assisting with communications.

4.2 Communications

The TPB News, the TPB’s online newsletter, featured stories on the items related to the TPB agenda in November.

- *Fewer daylight hours spell danger for pedestrians, bicyclists, and drivers*
October 28, 2019
The new COG Street Smart campaign focuses on educating drivers, pedestrians, and bicyclists about the safe use of roadways.
- *Community leaders learn about regionalism at the TPB’s Community Leadership Institute*
November 13, 2019
Community leaders from across the region gathered to learn about the transportation planning process and how they can become involved in the decision-making process within their communities and across the region.
- *A few initial results from the TPB’s once-a-decade Regional Travel Survey*
November 20, 2019
TPB staff have reached a milestone by completing data collection for the once-in-a-decade Regional Travel Survey

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

Staff updated pages on the COG website related to transportation.

Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	\$3,140,203	\$165,739	25%	41

5. TRAVEL FORECASTING

5.1 Network Development

Staff completed highway and transit network development for the 2040 analysis year for the air quality conformity (AQC) analysis of the 2020 update to the Visualize 2045 Plan and forwarded the files to modeling staff for use with the travel demand forecasting model. This work included the update of the geodatabase to reflect the highway and transit projects listed in the air quality conformity inputs table for each respective network year. Network quality control and quality assurance (QC/QA) included the comparison of each set of network files to the comparable files from the previous AQC analysis (Visualize 2045 Plan). Staff also reviewed highway toll and transit fare inputs.

Staff continued highway and network file development and review for the 2045 analysis year. Staff reviewed the 2025 and 2030 travel demand results for reasonableness, comparing changes in travel demand results to network and land activity changes.

TPB staff recently conducted a survey of large Metropolitan Planning Organizations (MPOs) to determine the techniques used for managing and editing transportation networks that are used in the regional travel model. In November, staff developed a second draft of the technical memo.

Recently, staff had noticed a bug in COGTools that resulted in occasional duplication of the primary key (EdgeID) in the link table, which could result in duplicate records. Staff is working to design new rules for the primary key and to implement these changes into both the multi-year transportation network geodatabase and the COGTools software used to maintain the geodatabase.

Staff identified and debugged an error in the SQL code used by COGTools to develop year-specific information about transit stations that should be part of transit networks used by the travel demand forecasting model. This work, including the proposed fix, are being documented in a memo that should be completed in December.

5.2 Model Development, and Support

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

- Status report on TPB’s travel demand forecasting model development activities
- 2017-2018 Regional Travel Survey Briefing: Alternative Travel Options
- Potential Application of Google-based Travel Time Data in Transportation Planning Analyses
- Regional Transportation Data Clearinghouse (RTDC)
- Mixed-Use Trip Generation Tools
- Announcement of new chair for 2020

At this meeting, it was announced the name of the consulting firm – Resource Systems Group (RSG) – that has been selected to develop the TPB’s next-generation travel demand forecasting model, known as the Generation-3, or Gen3, Model. Also, the presentation about the potential application of Google-based travel time data for transportation planning analyses was based on a paper, written by TPB staff, that will be presented in January at the Transportation Research Board (TRB) Annual Meeting in Washington, D.C. Lastly, the CY 2020 chair for the TFS will be Mr. Amir Shahpar, a Modeling Manager for VDOT with 16 years’ experience in transportation planning.

Prior to the meeting, staff had prepared draft meeting highlights from the September TFS meeting.

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

The Ver. 2.3 Travel Model (specifically Ver. 2.3.78) is being used in the air quality conformity analysis. It is expected that the results of the air quality conformity analysis will be presented to the TPB in February, with possible adoption in March 2020, at which point the Ver. 2.3.78 Model would become the adopted, production-use model.

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. It is planned to combine all the model updates into an updated production-use model (Ver. 2.4) in the next few months. In November, staff completed a memo dated November 15 that documented recent work re-calibrating the nested-logit mode choice model using updated calibration targets for commuter rail. Staff is also working on three memos documenting the updates to the trip distribution process for external travel. Staff has also started conducting a comprehensive evaluation of the Gen2/Ver. 2.3 developmental model that implemented all the model refinements. Should the performance of this developmental model or its successor become satisfactory, it will be re-branded as the Ver. 2.4 Model. It is planned that the Ver. 2.4 Model will be phased into production use when it is completed in early 2020.

Staff tested converting trip matrix files stored in a proprietary format (Cube) to an open format (OMX) to make the modeling outputs more accessible to a wider audience. Unfortunately, the OMX files were larger than the proprietary files and take longer to create, meaning that they are unlikely to replace the proprietary files.

Staff updated the version tracking file used to keep track of updates to the regional travel model.

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. At the November 15 TFS meeting, TPB staff summarized the status of the Ver. 2.5 Model. Staff noted that the Ver. 2.5 Model had not performed up to expectations. For example, the model run time is almost twice that of the Ver. 2.3 Model and, several regional modeling metrics were worse than the Ver. 2.3 Model. At the TFS meeting presentation, TPB staff encouraged external (non-TPB) modeling stakeholders to speak up if they are strong proponents of continuing with the Ver. 2.5 Model. Absent such dialog, the development of the Ver. 2.5 Model is likely to remain in a paused state.

Developmental, travel demand forecasting model: Generation-3

Regarding the consultant-assisted project to develop the next-generation travel demand forecasting model, known as the Gen3 Model, in November, the winning vendor was announced: Resource Systems Group (RSG). The contract was finalized on November 19. A kick-off meeting, for RSG and TPB staff, is planned for December.

Staff began developing a list of travel surveys, such as household travel surveys and transit on-board surveys, that could be potential sources of calibration validation data. This work will continue into December. Regarding the 2017/2018 COG Regional Travel Survey (RTS), staff compiled a list of checks to be considered when working with the survey data. Staff also reviewed past analyses with the 2007/2008 COG Household Travel Survey.

Although the selected consultant has not made a final recommendation on the model type for the Gen3 Model, given the likelihood of moving to a tour-based or activity-based model (ABM), staff began reviewing activity-based modeling software (ActivitySim) and population synthesizers, which are typically used in newer generation models.

Other activities

Data requests and model support: Staff serviced two data requests in November, including one for an academic at Virginia Tech., who requested estimated person and vehicle trip data.

Staff attended two training webinars. On November 5, staff attended a webinar about a tool developed by VDOT called Pathways 4 Planning. On November 13, staff attended a Travel Model Improvement (TMIP) webinar about the Exploratory Modeling and Analysis Tool (EMAT).

Task 6		Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,978,852	\$108,965	29%	45

6. MOBILE EMISSIONS PLANNING

6.1 Air Quality Conformity

Upon completion of the network development process, Department of Transportation Planning (DTP) staff conducted and reviewed travel demand and emissions modeling processes for analysis years 2025 and 2030. DTP staff also developed transportation networks for the analysis year 2040.

DTP staff transmitted conformity MOVES files for the 2019 and 2021 analysis years to the Department of Environmental Programs (DEP) staff for review.

Staff attended the fourth in a series of Association of Metropolitan Organizations (AMPO) Air Quality Work Group meetings, held in Philadelphia. The Air Quality Work Group offers a mechanism for MPO engagement, communications, outreach and capacity building in addressing air quality and climate change issues, policies, emphasis areas, guidance and regulations, and state-of-the-practice analytic tools and techniques.

6.2 Mobile Emissions Analysis

DTP staff continued working closely with COG's 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 November Metropolitan Washington Air Quality Committee Technical Advisory Committee (MWAQC-TAC) call, DEP staff reviewed a draft 2017 Base Year Emissions Inventory document (item #3). DTP staff continued to work on relevant documentation that will be included in Appendix D of the document, which the region plans to share with the Environmental Protection Agency (EPA) in December 2019.

DTP staff attended Climate, Energy and Environment Policy Committee's (CEEPC) Mitigation Work Session on November 20 and a follow-up debriefing. In preparation for the work session, DTP staff worked closely with DEP staff to establish and better understand the technical assumptions used in scenario planning related to the 2030 Regional Climate and Energy Action Plan.

DTP staff continued to work with DEP staff, member jurisdictions, and state air agencies to facilitate various other aspects of GHG planning activities. Specifically, in the month of November, DTP staff met with the City of Alexandria planners and subsequently shared data in support of GHG inventory development for the city. In addition, DTP staff provided travel demand modeling data to a consultant working for the District of Columbia Department of Energy and Environment (DOEE) on the District of Columbia Electrification Strategy project.

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 of government (COGs) and metropolitan planning organizations (MPOs) regarding the Transportation-Climate

Initiative (TCI). Specifically, DTP staff began preparations for hosting the next convening of MPOs and COGs, scheduled to take place at the Metropolitan Washington Council of Governments on January 16, 2020.

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	\$2,458,858	\$139,103	25%	47

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Regional Travel Survey

For the November 2019 reporting period, the key tasks were focused on RTS data processing. COG/TPB staff worked on editing the trip files in the RTS. COG/TPB staff presented findings from a new set of questions from the recruitment questionnaire focusing on the use of alternative travel options that reduce single-occupancy vehicle (SOV) travel at the November meetings of the TPB Technical Committee, TPB Travel Forecasting Subcommittee, Commuter Connections Subcommittee, and the Transportation Planning Board. COG/TPB staff also worked with its travel survey consultant to review the response to date for a 7-Day Panel Survey using a GPS smartphone app that was launched in October 2019. Data collection for the 7-Day Panel Survey concluded in late November 2019 with approximately 1,000 completed survey responses, exceeding the target number of survey completions.

7.2 Traffic Analysis Studies, and Research

Staff reached out to WMATA about the Trace Model as well as the Metrobus 2018 Survey. Staff is drafting language to describe how this information will be used including application in the NextGen Model Development.

Staff developed a County to County Workflow data matrix for the COG modeled region using 2012-2016 CTPP data for all fifty states. This table was shared with the Travel Forecasting and Emissions Analysis team.

Big Data in Regional Travel, and Mobility Analyses

During this time period, the study working group participated in an internal meeting and continued to review and provide feedback on the revised survey framework and study work plan. The project manager summarized the feedback and provided direction to the consultant as needed. The consultant also continued preparing and launching the online survey for peer agencies.

The project manager also followed up with staff at the Atlanta Regional Commission who requested more information about the study during the Association of Metropolitan Planning Organizations (AMPO) Annual Meeting.

7.3 Regional Transportation Data Clearinghouse

Staff had a teleconference with staff from the Washington Board of Trade (BOT) regarding the data available through the RTDC.

Staff continued to assist a consultant working with TPB’s safety planner regarding obtaining additional metadata for the data received (TPB roadway network).

Staff added the following datasets to the RTDC: FY19 monthly average weekday transit ridership, 20016 and 20017Hourly Traffic Volumes, 2017 Historic AADT, 2016 and 2017 External Stations, 2016 and 2017 Vehicle Classification, and 2016 and 2016 Highway Performance Monitoring System (HPMS).

Staff refreshed the ArcGIS Online content for recently updated datasets to the RTDC.

Staff delivered a presentation to the Travel Forecasting Subcommittee on November 15 on the recent updates to the RTDC.

7.4 GIS Data, and Analysis

Staff continued to refine the draft network of bicycle and pedestrian facilities used to expand the National Capital Trail. Staff produced a draft web map with editing capabilities to assist jurisdictional staff in providing data to the TPB.

Staff continued 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. Staff traveled to Fairfax County (11/15), Montgomery County (11/18), Prince George's County (11/19), and the District of Columbia (11/20).

Staff gave a presentation to the District of Columbia GIS User Group at their November 22 meeting on cartographic decision-making, using recent example of work by staff.

Staff attended a webinar on November 5 hosted by the Virginia Department of Transportation (VDOT) on Pathways 4 Planning, a transportation planning tool for the Commonwealth of Virginia.

Staff met with the Planning Data Services director and Commuter Connections director on November 6 to begin the discussion on creating spatial data products (e.g. a Story Map) for the Commuter Connections State of the Commute (SOC) survey.

Staff held a teleconference with TPB's TIP database contractor (EcoInteractive) regarding developing a process by which project-level GIS data can be obtained and passed to EcoInteractive for inclusion in the new Project Information Tracker (PIT) database.

Staff responded to fellow DTP staff regarding an inquiry from Loudoun County staff on the process by which to update GIS data and map bases and models with completed project information.

Staff assisted fellow DTP staff with a request regarding the availability of GIS maps of projects that include TPB jurisdiction boundaries so as to visually isolate projects that are in the plan that are within each jurisdiction. Staff produced a web map presentation from the existing Visualize 2045 Constrained Projects map.

Staff hosted a TPB/COG GIS Day event on November 13. Several DTP staff as well as staff from the Department of Community Planning Services (DCPS) and Department of Environmental Programs (DEP) attended.

Staff worked with Commuter Connections to address a data access issue with their Bike to Work Day map.

Staff updated the text on the COG website for the Transit Within Reach: Walksheds map, at the request of COG's Office of Communications (OC).

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	\$65,100	31%	51

8. SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING

8.1 Scenario Planning

No activity.

8.2 Socioeconomic Forecasting

As with prior months, most of the activities relating to Forecasting during November continued to focus on efforts to addressing the regional housing initiative and targets.

Since the adoption by the COG Board of the Housing Targets, COG Department of Community Planning and Services (DCPS) staff continued to brief numerous member jurisdictions and partner / stakeholder organizations on the methodology and COG Board resolution/recommendations, including:

- DCPS Director participated in the workshop “A Conversation on Housing Affordability Solutions,” hosted by the Apartment and Office Building Association (AOBA) on November 6 at the Montgomery College Takoma Park Campus and presented the COG Housing Targets. Other participants included Councilmember Hans Riemer and Montgomery County Planning Director Gwen Wright. DCPS Director
- DCPS Director presented the COG Housing Targets to:
 - November 6 meeting of the Prince William County Planning Commission;
 - November 13 meeting of the Planning Directors Committee of the Baltimore Metropolitan Council; and
 - Assisted the Executive Director with a briefing to the Board of Trade and Northern Virginia Chambers of Commerce on November 7 in Arlington.
- DPCS Director was a panelist to discuss the COG Housing Targets along with Andrew Trueblood, Martin Ditto, and Michelle Beaman-Chang for the November 19 ULI Washington forum on “Make Room: How the DC Region can Increase Housing Production through Planning & Policy,” at ULI Headquarters in the District

At its November meeting, the Planning Directors Advisory Committee continued the COG Board Housing Initiative discussion with a briefing on the new North Woodbridge Small-Area Plan that seeks to redevelop underutilized commercial land adjacent to the Woodbridge VRE station. Committee members also discussed how to frame implementation of the housing production targets including Jurisdictional housing targets; future presentations on best practices (i.e., Montgomery County Subdivision Staging Policy, innovative school design, private developers); Inviting other stakeholders (ex. school officials); coordination with Housing Directors (future joint meetings); developing a mechanism to track progress toward targets; and impediments (ex. density challenge discussions).

To assist with small area forecasting and assess progress in the housing targets, DCPS staff continued work to analyze CoStar multi-family housing data. DCPS Planner John Kent presented the initial findings to the Housing Directors Advisory Committee.

To assist with development of their baseline population estimates, DCPS staff continued an analysis of IRS county-to-county migration data. A paper or short report on the findings will be developed later this fall.

DCPS staff also continued work to update the “Baseline Employment” methodology for the Cooperative Forecasting Subcommittee. The final memo will be shared with the Subcommittee in January.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILITY AND ENHANCEMENT PROGRAMS	\$649,946	\$25,332	21%	55

9. MOBILITY, and ENHANCEMENT PROGRAMS

9.1 Enhanced Mobility Grant Program

Staff held an AFA committee meeting on November 7. COG staff led the committee in a discussion of the upcoming update to COG’s public participation plan that fulfils the requirement of all Metropolitan Planning Organizations (MPOs) to make sure the public is involved, participates in, and is consulted throughout the planning process. The committee shared their thoughts on the purpose of public participation in the TPB Process and how COG/TPB should tailor its outreach to different types of communities.

Per member request, the rest of the meeting was dedicated to formalizing thoughts on the impact of dockless vehicles on AFA population groups.

COG staff shared national and regional trends related to dockless vehicles.

DDOT’S Sharada Strasmore, Shared Micromobility Planner, presented an overview of DDOT’s dockless vehicles program, including data, parking corrals, and ideas for addressing the concerns of older adults and people with disabilities.

Chair Kostiuk led a structured discussion with the committee. Topic areas, based on prior AFA Committee feedback and the current discussion, included:

- Pathways/Safety
- Accessibility & Affordability
- Availability
- Education & Outreach
- Regulation
- Enforcement

In addition, possible next steps were discussed, which include presentation of a document summarizing the concerns to presenters and attendees at COG/TPB’s December 9th Dockless Vehicle Workshop.

During the month of November staff drafted a memo summarizing how dockless vehicles impact older adults, people with disabilities, people with low income, and worked with Chair Kostiuk and AFA membership to finalize a draft for presentation at the Dockless Workshop.

The 2019 Enhanced Mobility Solicitation application deadline was November 4th. Following the deadline, staff reviewed the applications for completeness, summarized and scored the applications, and began preparations for selection committee to meet on December 5.

9.2 Transportation Alternatives Set-Aside Program

TPB staff received the new applications from VDOT for the Transportation Alternatives Set-Aside Program. Staff downloaded the applications and began conducting preliminary analysis to determine the degree to which the proposed projects serve regional objectives. Staff will convene a selection panel in January to review the applications and develop recommendations for funding. The TPB is tentatively scheduled to approve projects in February.

9.3 Transportation Land-Use Connections Program

The 13 TLC projects for FY 2020 were underway as described below:

- DC (Florida and New York Avenues): Contract was signed and executed on November 19, with the project kick-off meeting scheduled for December 2.
- MD (City of Frederick): Contract was signed and executed on November 19, and the project kick-off meeting occurred earlier in the month.
- MD (City of College Park): Contract was signed and executed on November 12, with the project kick-off meeting scheduled for December 4.
- MD (Frederick County): Contract was signed and executed in mid-November, and a pre-kick off conference call meeting was scheduled for the first week of December
- MD (City of Gaithersburg): Contract was signed and executed on November 19, with the project kick-off meeting scheduled for December 3.
- MD (City of Greenbelt): Contract was signed and executed on November 18, with the project kick-off meeting scheduled for January 8.
- MD (Montgomery County): Project kick-off meeting was held on November 22.
- MD (City of Takoma Park): Project kick-off meeting was held on November 19.
- VA (Arlington County): Pre-kick off conference call was held with a kick-off meeting tentatively scheduled for January. Consultant and jurisdiction are in the process of exchanging preliminary data.
- VA (Fairfax County): Contract was signed and executed in mid-November, with the project kick-off meeting scheduled for December 3.
- VA (City of Falls Church): Relevant resources for data collection were shared between the City, consultant and MWCOG as a follow-up to the kick-off meeting. Consultant data collection on multi-family development parking is underway.
- VA (City of Manassas): Contract was signed and executed in mid-Nov, and the project kick-off meeting was held on November 18.
- VA (Prince William County): Contract was signed and executed in early November. A pre-kick off conference call was held on November 22, with the official kick-off meeting scheduled for January 14.

Staff worked on developing a peer exchange event, which will be held on January 13. Staff also continued conducting research on implementation activities resulting from TLC projects from three recent years – FY 2016, FY 2017, and FY 2018.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$978,789	\$70,710	31%	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 November 1. Agenda items included a review of the minutes from the committee’s October meeting, a presentation on activities that were new for the FY 2019 Street Smart Bicycle and Pedestrian Campaign including the programs annual report, a presentation on the Draft 2016-2020 PBPP Highway Safety Targets, a presentation covering a National Scan of

MPO PBPP Targets, a presentation on the 2017-2018 Regional Travel Survey Alternative Travel Options, a presentation on the Traffic Impacts of the Metro Summer 2019 Platform Shutdown, a presentation on the Marc 2019 Cornerstone Project and a brief presentation on the 2020 update to the TPB Public Participation Plan.

The National Capitol Region Transportation Planning Board (TPB) met on November 20. At this meeting the board approved the minutes of its October 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 was presented a video recap of the StreetSmart FY2019 Annual Report as well as testimonial videos as part of new media outreach efforts. The board also learned of the 2016-2020 PBPP Draft Highway Safety Targets, received a summary of staff research regarding a National Scan of MPO PBPP Targets and heard the results of the 2017-2018 Regional Travel Survey and Alternative Travel Options.

TPB Support and Management

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.

- 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 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
 - COG Board Meeting
 - Transportation Planning Board (TPB)
 - MATOC Steering Committee
 - Citizens Advisory Committee (CAC)

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 October 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 November FY 2020 include:

- CAOs Regional Emergency Preparedness Tabletop Exercise
- Visualize 2045 Site Visit / City of Fairfax, Falls Church, City of Frederick
- Capital Region Transportation Forum (BOT)
- COG Planning Directors Meeting
- Technical Assistance Program Visioning Meeting
- Assist in interviews for COG- DED OP
- Professional Development - TTI Review

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 applications submissions.
- Review of 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	\$40,573	9%	59
District of Columbia	\$288,548	\$23,963	25%	59
Maryland	\$641,082	\$12,904	5%	61
Virginia	\$461,312	\$3,705	9%	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 developed and transmitted a proposed scope of work and cost estimate for (1) review of the District's Functional Classification System and (2) current and forecasted vehicle miles traveled data.

Staff prepared a 2017 to 2018 District of Columbia VMT by Functional Classification table in response to a DDOT data request.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

Staff worked with DDOT staff to plan and participate in the November 20 HPMS Committee meeting. Staff updated the committee on the PCS, HERE, FTMS, and short-term data status as well as the outline for the annual Traffic Monitoring System Report. Staff prepared a summary of the meeting which was shared with DDOT staff.

Staff summarized and analyzed the October traffic data from PCS, FTMS, and HERE stations and shared the summaries with DDOT staff for field inspection purposes. Staff reviewed and summarized 46 short term counts received from the contractor. Staff reviewed and approved Invoice #2 of the FY2020 short-term traffic counting contract.

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. Following a request to evaluate the Frederick-Shady Grove Ridership and Revenue Study, staff corresponded with MDOT SHA about a potential scope of work.

Feasibility/Special Studies

Traffic Relief Plan (TRP): Staff attended the following Traffic Relief Plan meetings in the month of November to monitor the project development activities:

- I-495 & I-270 Managed Lanes Study Transit Work Group (NEPA)
- I-270 north of I-370 Study Transportation Agency Technical Group Meeting (Pre-NEPA)

Staff provided input to the study team(s) throughout the process.

Traffic Relief Plan (TRP) Monorail Feasibility Assessment: In response to a request by MDOT staff, DTP staff completed a draft technical memorandum that assessed *Frederick-Shady Grove Ridership and Revenue Study*, prepared by Cambridge Systematics on behalf of the High Road Foundation. DTP staff reviewed and evaluated the modeling methodology and assumptions used in the study to model monorail.

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

Staff participated in a meeting with VRE, NVTC, and the consultant to obtain VRE and NVTC staff input on a standard set of questions distributed to stakeholders and as well as comments on the general direction of the project. The consultant continued to reach out and request stakeholder input. The consultant also provided a list showing the stakeholders who were contacted as well as if and how they provided input. The consultant received and began processing TAZ-to-TAZ trip production and attraction data from the Maryland statewide model. Staff provided the consultant with 2012-2016 CTPP Flow data for work trips that either begin or end in the project area to help with model validation. Staff continued to participate in bi-weekly status meetings with the consultant and began to identify potential dates for the fourth technical advisory committee (TAC) meeting.

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 participated in the November 4 Nonmotorized Study Phase II (Fall 2019 Counts) kick-off meeting. Staff reviewed all fall 2019 non-motorized counting locations with VDOT staff and staff from the traffic counting contractor. Staff received the schedule from the contractor and pointed out an error so that the contractor could adjust the schedule before the counts were completed.

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.

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 shared a Phase 2 Working Draft of the Regional Air System Plan (RASP) with the Aviation Technical Subcommittee for their review and continued work on Phase 3.

Process 2019 Air Passenger Survey - Phase 1

During this reporting period, key tasks were performed to conduct and wrap-up the 2019 Washington-Baltimore Regional Air Passenger Survey, the resurvey period of which was completed on November 12 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).

Duties conducted by staff over the course of the survey period included:

- Field operations observation
- Flight scheduling assistance
- Daily review of completed flight log spreadsheets
- Liaising with key points of contact at each airport to ensure airline cooperation with survey activities and that field staff were provided with all necessary materials, including appropriate field office spaces, keys, and parking passes
- Collecting all survey materials from the three field offices
- Reviewing each field office's log sheets for accuracy
- Beginning work on the 2019 Air Passenger Survey sampling procedures documentation

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 study working group project Kickoff meeting
- Consultant launched peer MPO survey for Task 2
- Estimated completion June 2020

VRE-MARC RUN THROUGH SERVICE

- The results of Task 3.1: Identify Travel Sheds was presented to Regional Public Transportation Subcommittee
- Consultant currently identifying travel sheds
- Estimated completion March 2020

Public Participation Plan

- Continued internal discussions on key inputs (e.g., federal regulations, federal certification review, consultant evaluation of TPB public participation, plans of other MPOs)
- Synthesized proposed changes for the new plan
- Prepared for receiving additional input
- Estimated completion: March 2020

Station Access Study

- Conducted five site visits to review the preliminary staff list with local staff
- Estimated completion: May 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 began in 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, in order for information from that effort to be included in the plan update.
- Completion anticipated June 2020.

National Capital Regional Trail

- Work continued, with a first draft anticipated for Bicycle and Pedestrian Subcommittee review in November.
- Completion anticipated February 2020.

Regional Curbside Management Forum

- Work to begin December 2019
- Completion anticipated June 2020

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
- 2019 Enhanced Mobility Solicitation, which the Coordinated Plan governs, closed on November 4, 2019. Selection Committee will convene in December 2019. Recommended projects will be brought before the TPB for review and approval in December 2019 and January 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

November 2019

	DC, MD and VA FTA, FHWA and LOCAL BUDGET TOTAL	FUNDS EXPENDED	BILLED THIS MONTH	% FUNDS EXPENDED
1. Long-Range Transportation Planning				
Long - Range Transportation Planning	1,002,493.00	265,863.63	55,742.37	27%
SUBTOTAL	1,002,493.00	265,863.63	55,742.37	27%
2. Transportation Improvement Program				
Transportation Improvement Program	263,982.00	99,803.65	18,257.92	38%
TIP Database Support	170,000.00	49,668.00	37,251.00	29%
SUBTOTAL	433,982.00	149,471.65	55,508.92	34%
3. Planning Elements				
Congestion Management Process	613,020.00	195,865.61	32,931.98	32%
Systems Performance, Ops & Tech Planning	659,650.00	197,193.40	33,788.68	30%
Transportation Emergency Preparedness Planning	124,162.00	51,519.14	8,709.32	41%
Transportation Safety Planning	298,785.00	69,404.45	21,841.84	23%
Bicycle & Pedestrian Planning	141,278.00	62,547.92	11,204.32	44%
Regional Public Transportation Planning	322,516.00	70,094.29	14,335.08	22%
Freight Planning	222,293.00	53,512.82	17,138.47	24%
Metropolitan Area Transportation Operation Coord Program Planning	164,580.00	70,384.07	11,188.18	43%
Performance-Based Planning & Programming	304,526.00	104,606.35	28,692.65	34%
SUBTOTAL	2,850,810.00	875,128.03	179,830.52	31%
4. Public Participation				
Public Participation	1,013,150.00	281,366.79	62,741.61	28%
SUBTOTAL	1,013,150.00	281,366.79	62,741.61	28%
5. Travel Forecasting				
Software Support	176,296.00	49,665.13	9,339.77	28%
Network Development	657,578.00	317,518.77	64,543.28	48%
Model Development	2,306,329.00	415,607.80	91,856.53	18%
SUBTOTAL	3,140,203.00	782,791.70	165,739.57	25%
6. Mobile Emissions Planning				
Air Quality Conformity	888,388.00	283,625.09	60,366.65	32%
Mobile Emissions Analysis	1,090,464.00	291,566.48	48,598.59	27%
SUBTOTAL	1,978,852.00	575,191.57	108,965.24	29%
7. Travel Monitoring and Data Programs				
Regional Travel Survey	745,208.00	256,683.39	53,785.12	34%
Traffic Analysis & Research	675,464.00	30,836.77	3,839.06	5%
Regional Transportation Data Clearinghouse	455,937.00	109,794.87	38,028.29	24%
GIS Analysis	582,249.00	223,271.76	43,450.60	38%
SUBTOTAL	2,458,858.00	620,586.79	139,103.07	25%
8. Planning Scenarios and Socioeconomic Forecasting				
Socioeconomic Forecasting	761,012.00	335,814.66	64,527.02	44%
Scenario Planning	355,627.00	5,632.49	573.15	2%
SUBTOTAL	1,116,639.00	341,447.15	65,100.17	31%
9. Mobility and Enhancement Programs				
Transportation and Land Use Connections Program	492,958.00	69,152.28	12,628.71	14%
Enhanced Mobility Grant Program	105,634.00	47,752.39	8,664.07	45%
Transportation Alternatives Set-Aside Programs	51,354.00	21,562.66	4,039.75	42%
SUBTOTAL	649,946.00	138,467.34	25,332.53	21%
10. TPB Support and Management				
TPB Support and Management	978,789.00	301,909.78	70,710.19	31%
SUBTOTAL	978,789.00	301,909.78	70,710.19	31%
SUBTOTAL CORE PROGRAM ITEMS 1-10	15,623,722.00	4,332,224.41	928,774.18	28%
TECHNICAL ASSISTANCE				
District of Columbia Technical Assistance	288,548.00	71,808.30	23,963.08	25%
Maryland Technical Assistance	641,082.00	33,792.41	12,904.85	5%
Virginia Technical Assistance	461,312.00	41,263.19	3,705.41	9%
WMATA Technical Assistance	182,226.00	183.47	0.00	0%
Technical Assistance Program Total	1,573,168.00	147,047.37	40,573.34	9%
TPB GRAND TOTAL	17,196,890.00	4,479,271.79	969,347.52	26%

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

November 2019
SUPPLEMENT I

	TOTAL		FTA/STA/LOC		PL FUNDS/LOC	
	AUTHORIZED BUDGET	TOTAL EXPENDITURES	AUTHORIZED BUDGET	FTA EXPENDITURES	AUTHORIZED BUDGET	FHWA EXPENDITURES
A. District of Columbia Technical Assistance						
Program Development & Misc	10,000.00	2,566.46	1,422.89	365.18	8,577.11	2,201.28
Traffic Counts & HPMS Support	235,000.00	69,241.84	33,437.99	9,852.38	201,562.01	59,389.47
Other Tasks	43,548.00	0.00	6,196.42	0.00	37,351.58	0.00
SUBTOTAL	288,548.00	71,808.30	41,057.30	10,217.56	247,490.70	61,590.75
B. Maryland Technical Assistance						
Program Development & Misc	15,000.00	2,310.42	2,134.34	328.75	12,865.66	1,981.67
Planning Studies	100,000.00	18,706.75	14,228.93	2,661.77	85,771.07	16,044.98
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	12,775.24	4,980.13	1,817.78	30,019.87	10,957.46
SUBTOTAL	641,082.00	33,792.41	91,219.13	4,808.30	549,862.87	28,984.11
C. Virginia Technical Assistance						
Program Development & Misc.	15,000.00	1,588.22	2,134.34	225.99	12,865.66	1,362.24
Travel Monitoring	148,000.00	26,899.73	21,058.82	3,827.54	126,941.18	23,072.19
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	12,775.24	4,980.13	1,817.78	30,019.87	10,957.46
SUBTOTAL	461,312.00	41,263.19	65,639.78	5,871.31	395,672.22	35,391.88
D. WMATA Technical Assistance						
Program Development & Misc	5,000.00	183.47	5,000.00	183.47	0.00	0.00
Other Tasks	177,226.00	0.00	177,226.00	0.00	0.00	0.00
SUBTOTAL	182,226.00	183.47	182,226.00	183.47	0.00	0.00
GRAND TOTAL	1,573,168.00	147,047.37	380,142.21	21,080.64	1,193,025.79	125,966.74