

FY 2020



National Capital Region
Transportation Planning Board

Work Program Progress Report

February 2020

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 of February. 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	\$77,158	44%	29

1. LONG-RANGE TRANSPORTATION PLANNING

1.1 Long-Range Transportation Plan

Staff that manages long-range plan activities continued refining an approach, a schedule, an outline, and a workplan for the next quadrennial plan update that is expected to be approved in 2020. Staff continued coordinating with other DTP staff to conceptualize planning activities that will inform the next range plan. Staff defined and is beginning to implement a task to increase the robustness of TPBs evaluation of federal performance factors such as resiliency, and of other impacts on the transportation system such as new transportation technologies (future factors). Staff began initiating a project to review and update performance measure used to evaluate the long-range plan (constrained element). Staff continued coordinating with the public involvement team and has defined a coordinated outreach approach for the next plan that will address Aspirational Initiatives and future factors.

Staff also continued to coordinate the implementation of activities related to the aspirational initiatives in Visualize 2045. Staff continued to schedule and conduct 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. By the end of February, staff had met with or scheduled nearly all the TPB member jurisdictions. 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 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. Staff has begun drafting a memorandum of key themes arising from these site visits. Staff has begun drafting a memorandum of key themes arising from the site visits and will make recommendations as to next steps the TPB might be able to take to support its members with implementation of Visualize 2045.

1.2 Federal Compliance

Staff sent out a draft MOU and the draft PBPP LOA for review to Stafford County, the Fredericksburg MPO, and VDOT to work on fulfilling the federally-recommended action,

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 – In 2019, TPB staff developed a draft list of Transit Access Focus Areas (TAFAs) and conducted informal meetings with the staff of large jurisdictions to discuss the methodology, as well as the inputs and outputs for this project. In February, staff developed a plan for addressing feedback received in those meetings, developing a revised list of TAFAs conducting additional outreach, and finalizing the project. TPB staff currently anticipates that the TPB will be asked to approve the TAFAs list in May or June of 2020.
- 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. The draft final network is being updated to reflect some additional data that is coming available from TPB members.

- 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 including telework templates.

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. Based on recent work, COG and TPB have been advancing a discussion on Transit-Oriented Communities.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	\$433,982	\$24,844	50%	31

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1 Transportation Improvement Program (TIP)

At its meeting on February 7, the TPB Steering Committee approved two resolutions to amend the FY 2019-2024 TIP. The first amendment was requested by the Virginia Department of Transportation to include state funding for the Franconia to Occoquan 3rd Track Project; NVTA funding for the Route 15 Widening project from Battlefield Parkway to Montresor Road; and CMAQ funding for the Compton Road Shared Use Path project. The second amendment was requested by District Department of Transportation to include CMAQ and District match funding for the 16th street NW Transit Priority Project.

TPB staff processed administrative modifications for eight projects as requested by DDOT and one project requested by VDOT.

TPB monitored the comment submissions for the public comment period that opened on January 31. No comments were received from the public during the month of February. Staff incorporated a set of technical corrections to funding and project information in the draft FY 2021-2024 TIP tables that were submitted by VDOT and WMATA as a part of the interagency review period.

2.2 TIP Database support

Work continued on the collection of centerline GIS data from agencies to provide the underlying map network for the region’s roadway network. The obligation and call for project modules were completed. TPB staff worked with EcolInteractive consultants to develop the logistics and functionality of the integrated bike/ped plan module. Further work was done on the long-range plan and a demonstration of this and the TIP modules were provided to federal partners at FHWA and FTA.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$2,850,810	\$220,586	49%	33

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff continued the review of options for the incorporation of performance-based planning elements in the Project Info Track database.

The 2020 regional Transit Asset Management targets were approved by the board. Staff completed the report and supporting materials to complete this performance-based planning requirement.

3.2 Congestion Management Process

Congestion Management Process (CMP) data compilation and analysis for the 2020 CMP Technical Report, and for upcoming Quarterly Reports, continued. Staff continued information compilation and report development for the 2020 Congestion Management Process Technical Report. A draft report is anticipated by May 2020 and finalization by June 2020.

3.3 Systems Performance, Operations, and Technology Planning

The February 3 meeting of the System Performance, Operations, and Technology Subcommittee (SPOTS) was organized and conducted, discussing MDOT's Transportation Systems Management and Operations System 1 planning and implementation; Montgomery County's examination of the Waze Connected Citizens Program; and the upcoming distribution to member agencies of TPB's annual traffic signal timing and power back-up surveys. Staff continued planning for FY 2020 TPB forums on connected and autonomous vehicles (CAV). Staff also participated in MDOT-SHA-CHART Board of Directors meeting on February 21 in Hanover; the ITSDC/ITS Maryland Artificial Intelligence seminar on February 27 in Washington, DC; the ConnectedDMV Mobility and Logistic Solutions Group on February 28 in Washington. events happened in conjunction with SPOT planning.

Staff reports no major 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.

3.4 Transportation Emergency Preparedness Planning

The regularly scheduled February 12 meeting of the Transportation Emergency Preparedness Committee (R-ESF 1) was organized and conducted by conference call, 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. Background technical information was provided for a February 21 COG legislative outreach teleconference regarding upcoming Traffic Incident Management-related legislation in DC, Maryland, and Virginia.

3.5 Transportation Safety Planning

The regularly scheduled February 11 meeting of the Transportation Safety Subcommittee was organized and conducted. The agenda included the following items: an update on recent TPB safety efforts and a review of the latest findings of the regional highway safety study.

Staff participated in Prince George's County's Vision Zero Steering Committee meeting on February 25, 2020. Discussion topics included finalizing the Vision Zero two-year action plan and updates on recent activities and accomplishments.

For the Analysis of Regional Roadway Safety Outcomes study, consultant staff continued network screening, crash data analysis, and recommendations development.

The consultant contract for the Analysis of Regional Roadway Safety Outcomes study was modified to extend the period of performance from February 28, 2020 to November 30, 2020. In addition, more funding was added to: 1) provide additional meeting support, 2) facilitate two safety events, 3) perform one more “deep dive” analysis, and 4) incorporate 2018 state crash data into our regional crash database and train TPB staff to enable future analysis to be conducted. Regional PBPP Safety Targets were completed December 2019. Staff reviewed and provided feedback on consultant-provided draft input toward finding and recommendations from the Regional Safety Study. The scope has been expanded and the delivery of initial recommendations to the TPB is anticipated June 2020 with continuing work in FY 2021.

3.6 Bicycle and Pedestrian Planning

The TPB Technical Committee was briefed on the draft National Capital Trail Network at their February 7 meeting. The committee provided comments and suggestions on the draft network and follow-up work began to address those comments.

A memorandum and presentation were prepared on shared mobility devices for the COG February 5 Chief Administration Officers meeting.

Staff attended or participated in the following February 2020 events that support current future Bicycle and Pedestrian planning Efforts: Van Dorn Trail Planning conference calls on February 10 & 24, the NOVA Bicycle and Pedestrian Safety Transportation Advisory Committee Conference Call on February 24, and the New Design Road planning conference call on February 27.

Work continued the Visualize 2045 Aspirational Initiative “Expand the National Capital Regional Trail,” with completion anticipated in February 2020. Staff continued work on the Regional Bicycle and pedestrian Plan Update. Activity on the plan is anticipated subsequent to the expand the National Capital Regional Trail project, for information from the effort to be included in the plan update. The competition is anticipated in June 2020.

3.7 Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met in February. External presentations included the Maryland Department of Planning’s transit station area profile tool and Montgomery County on the Flex Service Book & Go! Service evaluation, expansions and ridership growth. TPB staff gave presentations on the 2017-2018 regional travel survey: alternative travel options, the 2020 Street Smart Campaign, and reviewed the plans for the 2019 state of public transportation report.

Staff prepared federal grant application endorsement letters on behalf of DRPT, Prince William County, and Montgomery County.

Staff attended the WMATA Annual Bus Ridership Workshop and the JCC meeting. Staff continued discussions with stakeholders on potential next steps regarding the Bus Transformation Project.

3.8 Freight Planning

The Staff Coordinate with the TPB Freight Subcommittee Chair to develop agenda items for the regularly scheduled March TPB Freight Subcommittee meeting. The theme of the March meeting was slated to be supply chain security. Staff continued development of ideas and 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.

The regularly scheduled February 11 meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted at Prince George’s County Department of Public Works and Transportation facilities in Forestville, Maryland, discussing ongoing winter weather operations and coordination.

The regularly scheduled February 14, 2020 of the MATOC Steering Committee was organized and conducted, continuing discussion of communications, coordination, and Traffic Incident Management topics.

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	\$1,013,150	\$89,461	49%	39

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

The 2020 Citizens Advisory Committee (CAC) met for the first time on February 13. The first half of the meeting focused on how the committee can help the board this year. The second half of the meeting turned to three items on the TPB agenda. TPB staff implemented an interim plan for CAC membership and organization in 2020. Because the CAC’s organizational structure will be revised later in 2020, a decision was made to maintain the same committee membership for 2020. Because of the CAC’s organizational structure will be revised later in 2020, a decision was made to maintain the same committee membership in 2020.

Staff continued work on the update of the TPB’s Public Participation Plan. The update process will take place throughout the next several months. Board approval is expected in the summer of 2020.

Staff continued preliminary planning for public engagement that will be part of the next update of the long-range plan, which is scheduled for approval in 2022. Tentative plans for this year (calendar year 2020) include a public opinion survey, qualitative research focused on the aspirational initiatives, infographics and other communications activities, and a kickoff event in the fall.

4.2 Communications

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

- *7 bike and pedestrian projects in Virginia will advance regional goals*; January 30
- *Here’s what happened at the February TPB Meeting*; February 24
- *Air quality conformity, explained*; February 10

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	\$210,624	43%	41

5. TRAVEL FORECASTING

5.1 Network Development

Network Staff completed development of the 2017 network files and transmitted those to model development staff for travel demand modeling. The 2017 networks are consistent with other network analyzed in the air quality conformity analysis of the 2020 Amendment to Visualize 2045. Although it is not one of the air quality conformity analysis years, the 2017 network will be provided as part of the network/model transmittal package for data requests and studies that may arise in the next year.

Staff updated maps showing all the major projects in the region’s Long-Range Transportation Plan (LRTP). The three maps show: 1) major highways projects; 2) major transit projects; and 3) major HOT, HOV, and toll lanes projects. The maps include listings of the project titles and competition dates. The maps will be included in both the summary and full conformity reports for the conformity analysis of the 2020 Amendment to Visualize 2045.

Model applications staff coordinated with plan development staff on a conformity article in the TPB News.

Staff continued attending bi-weekly meetings, via conference call, with EcoInteractive, the consulting group developing an interactive online database of the region’s Transportation Improvement Program (TIP). The new database will expand upon the database that had been used for iTIP and should allow TPB staff to coordinate the inputs for the LRTP, TIP, and conformity inputs to provide smoother, more seamless, data collection from the state and local DOTs and other implementing agencies.

Staff continued development of the 2019 base-year transit network files. This work included manual calculation of average runtimes and headways for bus service that is not included in the General Transit Feed Specification (GTFS) data.

Staff continued to work on the report documenting highway and transit networks used in the 2020 amendment to Visualize 2045 and the FY 2021-2024 TIP, which were inputs to the TPB Version 2.3.78 Travel Model.

Staff fixed a technical issue related to one of the key variables (“EdgeID) used in both the network database and in the COGTools network editing tool

COGTools includes an export function that can create a transit network in Cube Public Transport (PT). Staff worked on migrating this export function from ArcGIS 9.3 to ArcGIS 10.4.

5.2 Model Development, and Support

The Travel Forecasting Subcommittee (TFS) meet on January 24. In February, staff prepared meeting highlights. The next TFS meeting is scheduled for March 20.

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

Staff started the preparation of a network/model transmittal package containing application files of the Gen2/Version 2.3.78 Travel Model along with transportation system inputs reflecting the 2020 Amendment to Visualize 2045, the FY 2021-2024 TIP, and Round 9.1a land activity inputs.

Specifically:

- Staff set up and started re-running the Ver. 2.3.78 Travel Model to ensure results replicate those of previous model runs conducted as part of the air quality conformity analysis.
- Staff continued to update the User's Guide for TPB Version 2.3.78 Travel Model.

When the TPB adopts the air quality conformity analysis, the LRTP, and the TIP, then the Ver. 2.3.78 Model will become the adopted, production-use model.

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

Staff is writing a technical memorandum, which is likely to be finished in March, documenting the year-2014 validation and sensitivity tests of the TPB Gen2/Version 2.3.84 Travel Model.

Staff implemented the Gen2/Ver.2.5 Model Cube Public Transport (PT) process in the Gen2/Ver.2.3.85 Model for the purpose of investigation and testing PT, which is a transit path-building and assignment module in Cube. As part of the preliminary investigations, staff executed test runs and performed quality assurance checks.

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 February, staff did the following:

- Staff held two check-in meetings, on Feb. 13 and Feb. 26, with RSG and BMG, the consultants on the Gen3 Model development project.
- Staff conducted four self-study discussion sessions (sessions 4 through 7) of a Travel Model Improvement Program (TMIP) series of webinars on activity-based models (ABMs) that were first offered in 2012.
- Staff, working with the consultant, finalized the Task Order 2 proposal: Assessment of Current Model and Recommended Design of Gen3 Model.
- Staff, working with the consultant, finalized the Gen3 Model Project Management Plan.
- Staff completed a list of recent regional transit on-board surveys. This list will be provided to the consultant, who will suggest which surveys should be obtained for model development.
- Staff installed and tested a population synthesizer (PopulationSim) on one of the travel model servers (tms8). Population synthesizers are typically the first step in an activity-based model.
- Staff transmitted the TPB Gen2/Ver. 2.5 Model, its flowchart, and a series of documents related to the Gen2 Model to RSG.
- As part of the Task Order 2 software investigation, staff prepared a list of topics related to Cube software and held a teleconference with Bentley Citilabs on February 24. Staff transmitted the Ver. 2.3.75 and Ver. 2.5 Models to Citilabs following the teleconference.
- As part of the Task Order 2 software investigation, staff worked on developing a survey for the main vendors of transportation planning/modeling commercial software packages.
- Working with other DTP staff, model development staff developed a confidentiality agreement (CA) that will be shared with the consultant team. This CA would allow the consultant team to work with COG-supplied data sets for the purposes of this specific project.

Other activities

- Staff serviced eleven data requests from a variety of agencies, including Mid-Atlantic Toll Services, VDOT, MD SHA, Fairfax Co. DOT, Arlington County, University of Maryland, HNTB, and Transpo Group working for the Abu Dhabi Department of Municipalities and Transportation.
- Staff participated in a Big Data project meeting and reviewed Task 2 deliverables.

- Staff provided feedbacks on the Draft Scope of Work for the Scenario Planning Awareness task force.
- Staff installed Cube 6.4.5 on a travel model server (tms8) and conducted a series of Cube 6.4.5 stability tests running the walkshed process, which is the start of the travel model where the model calculates the percent of each zone within walking distance to transit.
- Staff participated Census Training (“Accessing and Using the New Census Data Portal: Data.Census.Gov.”) on Feb. 11.
- Staff gave a guest lecture, on Feb. 6, at Georgetown University regarding the COG/TPB travel demand forecasting model.

Task 6		Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,978,852	\$170,459	49%	45

6. MOBILE EMISSIONS PLANNING

6.1 Air Quality Conformity

Upon completion of the modeling processes and release of the Summary Report for the Air Quality Conformity Analysis of the 2020 Amendment to Visualize 2045 on January 31, 2020, in the month of February, staff presented air quality conformity findings to the TPB Technical Committee (item #6), the TPB (item #12), Metropolitan Washington Air Quality Committee Technical Advisory Committee (item #4), and Metropolitan Washington Air Quality Committee (item #5).

Regarding the air quality conformity analysis, staff continued to compile both the full report and other related air quality conformity documentation. This work includes development of graphs and charts documenting the inputs and outputs of the conformity analysis. DTP staff also provided answers to specific inquiries from TPB members related to the air quality conformity process and findings.

In support of the Commuter Connections Transportation Emissions Reductions Measures (TERMs) reporting, DTP staff provided emissions rate estimates for individual pollutants to the Commuter Connections management (memo dated February 27).

In accordance with TPB consultation procedures, staff forwarded to the consultation agencies and public advisory committees the February meeting agenda and a summary memo regarding the monthly TPB meeting and air quality conformity consultation elements.

6.2 Mobile Emissions Analysis

DTP staff continued working closely with COG’s DEP staff on development of the 2017 base-year emissions inventory submittal to the EPA as part of the 2015 ozone National Ambient Air Quality Standards (NAAQS) requirements. On the Metropolitan Washington Air Quality Committee Technical Advisory Committee (MWAQC-TAC) call, the committee members reviewed the most recent updates to the draft 2017 Base-Year Emissions Inventory document (item #2). MWAQC was briefed on the draft 2017 Base-Year Emissions Inventory document, and subsequently approved the release of the inventory document for public comment (item #4).

DEP and DTP staff reviewed EPA’s Advance Notice of Proposed Rulemaking (ANPRM) on EPA’s Cleaner Trucks Initiative and finalized a joint TPB/MWAQC comment letter on the proposal. Staff presented the letter to the MWAQC Executive Committee and the TPB, and obtained signatures from the chairs of both groups. Staff submitted the final joint letter to the EPA on February 19, before the end of the comment period.

DTP staff continued to work with DEP staff, member jurisdictions, and state air agencies to facilitate various aspects of air quality and greenhouse gas (GHG) planning activities. Specifically, DTP staff provided DEP staff with regional GHG inventories for 2045 in support of regional climate action planning.

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 the Transportation and Climate Initiative (TCI). Specifically, the COG Board adopted a resolution that endorsed the Virginia, Maryland and District of Columbia leadership and participation in TCI and TCI’s “cap-and-invest” program designed to reduce transportation-related GHG emissions (R10-2020, item #10). Along with other COG and MPO directors located in participating TCI jurisdictions, COG’s Executive Director signed a joint comment letter regarding the TCI Draft Memorandum of Understanding (MOU), released on December 17, 2019. In addition, DTP staff wrote a Region Forward Blog Post that provided background on TCI, its “cap-and-invest” program, and the TCI Draft MOU.

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	\$2,458,858	\$205,184	42%	47

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Regional Travel Survey

For the February 2020 reporting period, the key tasks were focused on data processing for the 2017/2018 COG/TPB Regional Travel Survey (RTS). 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 February meeting of the TPB Regional Public Transportation Subcommittee.

COG/TPB staff also reviewed the deliverables for the RTS 7-Day Panel Survey using a GPS smartphone app that was conducted in October and November 2019. Staff also set up restricted access to the survey data.

COG/TPB staff held a meeting with the Baltimore Metropolitan Council (BMC) to coordinate a data sharing agreement for the RTS and the Maryland Travel Survey; staff obtain input from COG’s legal counsel on a draft memorandum of agreement and then sent an updated version to BMC.

Staff reviewed and updated the survey release plan.

Staff responded to a request from the Northern Virginia Transportation Authority for origin-destination (O-D) pattern data from the RTS. While the detailed trip data is continuing to be reviewed and O-D pattern analysis is forthcoming, staff shared an internal CTPP County-to-County flow of workers by means of transportation tabulation.

Staff responded to a request from VDOT about RTS survey methods, including how household samples were distributed at the jurisdictional level. Staff shared the request for proposals which provides an overview of the survey design and methods as well as a table showing the distribution of household samples at the jurisdictional level.

Staff reviewed an email drafted by the Travel Modeling and Emissions Analysis Team in response to an inquiry about RTS data availability from a consultant performing work with the University of Maryland for the Purple Line.

Staff participated in an internal lunch and learn program the 2020 TRB Annual Meeting.

7.2 Traffic Analysis Studies, and Research

Staff participated in a phone conference with staff at San Francisco's Metropolitan Transportation Commission about their Vital Signs, a dashboard used to share historical trends for a series of indicators in the San Francisco Bay Area.

Staff updated population estimates for the urbanized area of Fauquier County and Warrenton in response to a request from the Deputy Executive Director for Metropolitan Planning; this data will be used to prepare COG/TPB's request for matching funds.

Staff participated in an internal meeting with the long-range plan and public participation teams to discuss resources and the potential for a poll or survey related to the Aspirational Initiatives.

Staff coordinated internally on updating vehicle miles traveled data in the RTDC.

Upon request by Department of Community Planning and Services, staff gathered information and prepared input for a COG Region Forward update for accessibility targets.

Staff provided additional information to the Denver Regional Council of Governments about COG/TPB awareness about the US Census and its Differential Privacy policy.

Upon request, Staff referred a representative from the CTPP Oversight Board to a staff member at DDOT.

Staff continued to coordinate with WMATA on obtaining 2018 Bus Survey raw data.

Staff assisted the TLC program staff by (1) reviewing and providing feedback on a draft digital application and (2) providing direction on how to respond to a request for return on investment information from the COG Executive Office, (3) responding to an inquiry about the possibility of scaling a project budget if multiple jurisdiction jointly submitted an application, (4) flagging some webpage maintenance, and (5) flagging a correction needed to the financial reporting systems for the amount allocated from UPWP Technical Assistance to the TLC Program.

Big Data in Regional Travel and Mobility Analyses

The consultant (Kimley Horn) and COG/TPB staff project manager convened the second study working group meeting. The meeting focused on the result of the state-of-the-practice review as well as the proposed Big Data Evaluation Methodology.

Staff and the consultant met following the meeting and confirmed action items and next steps.

7.3 Regional Transportation Data Clearinghouse

Staff responded to a request from the Virginia Department of Rail and Public Transportation (DRPT) regarding transit routes in proximity to Equity Emphasis Areas (EEA). Staff provided links to the RTDC datasets for FY 2019 Transit Ridership Data and EEAs.

Staff assisted with a request from a data/software vendor regarding the automated bicycle and pedestrian counts. Staff provided information on how to obtain more recent counts from Bike Arlington.

Staff directed fellow TPB staff to the vehicles miles traveled (VMT) Trends spreadsheet for the region that is updated annually and contains VMT by roadway functional classification and county for the modeled region for the years 2005 to 2018. Staff also explained how weekday VMT in the spreadsheet is calculated. This file is now available for download from the RTDC (VMT - Weekday Trends Modeled Region 2005 to 2018).

Staff answered questions from staff from the National Renewable Energy Laboratory (NREL) who were trying to locate 2019 continuous traffic volume data for the COG/TPB region.

Staff began to identify, compare and analyze several data sources for National Bridge Inventory (NBI) data. Staff started a draft memo detailing this (ongoing) work.

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

7.4 GIS Data, and Analysis

Staff developed a web map application in support of the COG Board initiative “Transit-Oriented Communities: A 2020 COG Board Focus. The application was presented to the COG Board at its February 12 meeting.

Staff created a web mapping application for the National Capital Trail (NCT) network to be used at the February 7 TPB Technical Committee meeting. Staff also updated a static PDF map of the NCT at the request of TPB’s Bicycle and Pedestrian planner.

Staff worked with the committee leadership to begin to plan the March 2020 GIS Committee/GDC Working Group meeting.

Staff attended a training session sponsored by COG and led by US Census Bureau staff on using the new data.census.gov platform on which all Census data will be available.

Staff continued to participate in the bi-weekly conference calls with TPB’s TIP database contractor. Staff provided feedback and input regarding the spatial data needed to begin creating content for the map interface for the new project tracking database.

Staff participated in a meeting with on-call consultant to discuss GIS-based tools for analyzing transit accessibility by various modes in support of some forthcoming work for the Transit Oriented Communities (TOC) initiative.

Staff worked with network development staff to make slight adjustments to projects on the 2020 amendment Visualize 2045 web map and geodatabase.

Staff continued to assist Commuter Connections staff with adding pit stop locations and other adjustments to the web map for the 2020 Bike to Work Day event.

Staff performed software updates for ArcGis on user desktop workstations, as requested and also worked with COG’s Information Technology and Facilities Management (ITFM) team to perform installations.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING	\$1,116,639	\$45,999	45%	51

8. SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING

8.1 Scenario Planning

Staff developed a draft scope of work/task order for consultant services to increase organizational awareness and understanding of scenario planning. A second draft, which included input from the Travel Forecasting and Emissions Analysis Team, was distributed the Team Leaders for their input and feedback.

8.2 Socioeconomic Forecasting

During February, much of DCPS focus to support Cooperative Forecasting was focused on the COG Board housing targets.

The planning Directors Technical Advisory Committee (PDTAC) continued to work to address the need for additional housing to balance the region’s anticipated job growth as shown in the Cooperative Forecasts.

At their February 21 meeting, the PDTAC focused on a review of key takeaways from the January ULI co-sponsored real estate developer panel. Members discussed ways to make permit process easier; reduce parking requirements around Metro; utilize publicly owned land; bring together the entrepreneur skill and capital markets; and discussed if local governments could come up with a model for by-right development for more housing.

In addition, during February, DCPS staff compiled preliminary 2019 residential permit data which showed that housing production totaled only about 22,000 units during 2019, far below the regional target (32,000).

Members also discussed planning for addressing the impediments during the balance of 2020, including the “Buckets” identified in 2019: transportation; schools; regulatory planning/zoning framework; tax structure; capital markets; and other unique views and issues that limit housing production.

DCPS staff hosted two half-day training opportunities for more than sixty local planners and transportation planners to learn about the new “data.census.gov” platform that will replace American FactFinder data access portal. This training was delivered by the U.S. Census Bureau staff; attendees learned how to collect and view census statistics across a variety of topics with this new access tool.

DCPS staff continued work to analyze 2019 commercial construction data and began to develop the annual summary report. Commercial construction data is a leading indicator for jurisdictions to develop their employment forecasts. DCPS staff also continued work analyzing IRS county migration data for presentation during March.

The DCPS Director participated in the annual Montgomery County Department of Finance’s Business Advisory Panel on the near-term economic outlook, and presented the housing targets to graduate students in Planning at the University of Maryland.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILITY AND ENHANCEMENT PROGRAMS	\$649,946	\$69,827	40%	55

9. MOBILITY AND ENHANCEMENT PROGRAMS

9.1 Enhanced Mobility Grant Program

Staff held an AFA committee meeting on February 11:

- Chair Kostiuk facilitated a moment of silence and time of remembrance for AFA member Jeanna Muhoro of Fairfax County’s Neighborhood & Community Services, who passed away in January.
- TPB staff briefed the committee on the twenty-four projects approved for funding by the TPB on January 22 and the timeframe for FTA approval and project start.
- COG Housing Program Manager Hilary Chapman presented on three regional targets set by the COG Board of Directors to meet the current and future housing needs of residents in the region and why it matters for the future livability.
- TPB staff provided an overview of the Transportation Alternatives Set-Aside Program, described the FY 2021 projects recommended for funding in Virginia, and announced that the solicitation for DC and MD projects will occur in the Spring.
- TPB staff member Bryan Hayes provided an overview of the purpose of the CAC and its recent work on issues related to safety and Chair Kostiuk confirmed AFA committee interest in collaborating with the CAC on safety issues such as dockless vehicles, bicycle and pedestrian safety in the region.

- TPB staff introduced workshops and facilitated discussions planned to address Connected and Autonomous Vehicles (CAV). Chair Kostiuk will represent the AFA at the introductory workshop on March 31, the May 12 AFA meeting will include a presentation and facilitated discussion to obtain member input on CAV, and Chair Kostiuk will participate in a second workshop on May 14 to report out key takeaways from the facilitated discussion.
- A member announced the release of Metro's proposed 2020/2021 Budget and opportunity for comment. Following the meeting TPB staff sent a link to AFA membership and encouraged individual comment by the March 2nd deadline.

Staff conducted research and followed up with AFA members via email in response to questions that arose during the meeting on the impact Enhanced Mobility grants have on the number of available accessible vehicles in the region in comparison to the need, the issue of TNCs and wheelchair accessibility, and a link to fair housing initiatives discussed.

Staff began gathering required information to submit Enhanced Mobility projects to FTA for approval.

9.2 Transportation Alternatives Set-Aside Program

TPB staff and members of a selection panel reviewed 24 applications from Northern Virginia for the Transportation Alternatives Set-Aside Program. The selection panel met via WebEx on February 3 to review the applications and develop recommendations for funding. Seven projects were recommended, which were approved by the TPB on February 19.

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): Completed Fieldwork and data collection elements, with over 100 person hours of observations and 500+ survey responses. Data analysis underway.
- MD (City of College Park): The consultant and city staff held a meeting on February 24 and the following agenda items were covered: Overview of study background, Discussion on proposed zoning, Discussion on potential trail connection to Paint Branch Trail, Coordination with State Highway Administration (SHA), and Permit activity near the study area. The next meeting with consultant and city staff is planned for March 17 with an emphasis on planning for a future stakeholder meeting (first public meeting) planned for April 13.
- MD (Frederick County): Progress conference calls were held on February 12 and February 27.
- MD (City of Gaithersburg): A meeting was held on Feb 26 to discuss the pros/cons/impacts of each concept and the order of magnitude for design/construction costs to be anticipated.
- MD (City of Greenbelt): A traffic memo including a set of scenario-based recommendations was shared by the consultant. The City of Greenbelt provided comments.
- MD (Montgomery County): Consultant is working to complete research for Task 2 technical memorandum.
- MD (City of Takoma Park): Data collection and inventory were underway.
- VA (Arlington County): Toole Design worked on data analysis to presents to all interested parties for a meeting to be held in March. They developed maps and write ups with potential alignments.
- VA (Fairfax County): Progress conference calls were held on February 10 and February 24.
- VA (City of Falls Church): Data collection underway but subject to postponement given traffic irregularities due to Coronavirus pandemic.
- VA (City of Manassas): Fieldwork and data collection are in progress.
- VA (Prince William County): Data collection was underway. Maps with preliminary gap analyses were developed.

The application period for the FY 2021 round of TLC projects opened on January 9. It is scheduled to close on March 9. Potential applicants were given the option to submit one-page abstracts, which were due on January 27. Staff received 14 abstracts and set back feedback the first week of February.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$978,789	\$66,542	51%	57

10. TPB SUPPORT AND MANAGEMENT

TPB Support and Management

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
- TPB Citizens Advisory Committee (CAC)

Support activities from the administrative staffs included: meeting logistics with meeting rooms and amenities, duplication 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 prepare 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 February 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 February 2020 includes:

- Telephone conversations:
 - CAC comments/ FHWA
 - Potomac River Bridge Compact Legislation
 - JGWP RE: Bus Transformation Project
 - FAMPO- Draft MOU
 - NVT-BTP
 - Montgomery County- BTP (follow-up)
- In-person meetings:
 - Plans for next update of Visualize 2045
 - COG-DED
 - Traffic Data Media
 - Potential Safety Assistance Program
 - Next Steps for National Capital Regional Trail Network
 - Metropolitan Washington Air Quality Committee Meeting

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 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 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	\$71,914	18%	59
District of Columbia	\$288,548	\$22,569	45%	59
Maryland	\$641,082	\$27,438	12	61
Virginia	\$461,312	\$20,988	17%	64
WMATA	\$182,226	\$917	1%	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 worked with DDOT staff to review current and planned DDOT technical assistance tasks and to determine how State Planning and Research (SPR) funds could be used to support some of the technical assistance that COG/TPB does for DDOT beginning in FY2021. Staff submitted a tentative letter of acceptance for the SPR funding as well as scope for work for the Functional Classification Review and HPMS support.

Staff provided block-level traffic counting locations to a consultant working on the Connecticut Avenue Reversible Lane study. In addition, staff responded to a request from a consultant for annual VMT estimate for the District of Columbia for the years 2010 through 2018.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

Staff worked with DDOT staff to plan and participate in the February 26 HPMS Committee meeting. Staff updated the committee on the PCS, HERE, FTMS, and short-term data status as well as the preliminary annual growth factor. In addition, staff presented to 2020 short-term count program. Staff prepared a summary of the meeting.

Staff summarized and analyzed the January 2020 traffic data from PCS, FTMS, and HERE stations and shared the summaries with DDOT staff for field inspection purposes. Staff reviewed the 2018 and 2019 FTMS data and developed programs to identify bad or repeating data which should be excluded in volume and factor calculations. Staff summarized and reviewed the 2019 and 2018 PCS, FTMS, and WIM data to calculate a preliminary version of the annual growth factor. Staff cross-checked this factor by downloading the TMAS data from local Maryland and Virginia stations and calculating a 2018 to 2020 growth factor.

Staff finalized the 2020-2025 count program and began an analysis of locations of prior classification counts in order to identify additional locations for classification counts in 2020.

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.

Staff coordinated internally and with MDOT to complete reconciling the FY 2020 budget and year to date spending as well as identify carryover funding.

Feasibility/Special Studies

Traffic Relief Plan (TRP): Staff continued to monitor the project development activities for the MDOT projects related to the Traffic Relief Plan.

DTP staff provided comments to MDOT regarding the draft Purpose and Need Statement for the I-270 North of I-370 Pre-NEPA Study.

In support of the I-495 and I-270 Managed Lanes Study, staff provided updated demographic data to the project team.

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

The consultant continued work on the travel demand analysis and technical feasibility memos.

Staff responded to a request for information about the study from the Frederick News-Post about the long-bridge project and expanding MARC/VRE service.

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 coordinated internally and with VDOT to complete reconciling the FY 2020 budget and year to date spending as well as identify carryover funding.

Following a VDOT request to reserve funding for a potential off-cycle amendment, staff reached out to the Travel Forecasting and Emissions Analysis Team to confirm the cost and staff availability to perform this task.

Staff worked with VDOT staff to begin planning for a Park and Ride Study to be done in FY2020 and FY2021. Staff reviewed and provided comments on preliminary scope of work prepared by VDOT staff. Staff also provided resources to help VDOT continue to draft a scope of work.

Staff responded to a request from VDOT for final copies of the 2019 mode share studies as well as the FY 2015 Regional HOV Report.

Travel Monitoring and Survey

Staff convened a meeting on February 3 with the traffic monitoring consultant and VDOT staff to review the progress on the Non-Motorized Counts project, including reviewing counts completed in the fall and reviewing and confirming counts for the Spring. Staff received additional data for four (4) of the non-motorized locations counted in the fall and confirmed modifications to the counting program with the traffic monitoring consultant. Staff also participated in a phone call with the consultants to discuss the results.

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 also continued work on Phase 3.

Process 2019 Air Passenger Survey - Phase 1

COG staff conducted the preliminary analysis of the 2019 Washington-Baltimore Regional Air Passenger Survey, including:

- Completing kick-off meeting and second meeting with the Study Working Group
- Consultant completed the State-of-the-Practice review
- The consultant drafted the methodology for the Big Data Evaluation (Task 3)
- Estimated competition June 2020

PROGRESS TOWARD REPORTS AND PLANS

2019 State of Public Transportation Report

- Work began 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

- Completed kick-off meeting and second meeting with the Study Working Group
- Consultant completed the State-of-the-Practice review (Task 2)
- The consultant drafted the methodology for the Big Data Evaluation (Task 3)
- 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
- Completed four meetings with Technical Advisory Committee
- Consultant completed background research (Task 2)
- Consultant completed identifying the travel sheds (Task 3.1)
- Consultant received critical inputs and continued work on evaluating travel demand (Task 3.2)
- Consultant shared the approach to identify Operational and infrastructure Constraints (Task 3.3)
- Estimated completion Spring 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: June 2020

Station Access Study

- Synthesized input received in five site visits to review the preliminary staff list with local staff
- Estimated completion: June 2020

Performance Based Planning and Programming

Highway Safety

- Deliver Regional PBPP Safety Targets
- Data compilation and analysis begun September 2019
- Completed 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

- Staff reviewed and provided feedback on consultant-provided draft input toward findings and recommendations.
- Completion anticipated February 2020.
- Delivery of initial recommendations to the TPB anticipated June 2020, with continuing work in FY 2021.

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

- The plan is anticipated to be deferred to FY 2021, in order that the Nation Capital Trail project, which is a prerequisite, can be completed.
- Completion anticipated FY 2021.

National Capital Regional Trail

- Work continued following the first draft presented to the Bicycle and Pedestrian Subcommittee 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
- TPB approved the projects recommended for funding on January 22 meeting.
- The next Enhanced Mobility Solicitation will be in Spring/Summer 2021.
- The next update of the Coordinated Plan will occur in 2022

FY 2021-2024 Transportation Improvement Program (TIP)

- Approval anticipated March 18, 2020

Visualize 2045

- 2020 Amendment anticipated March 18, 2020
- 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

February 2020

	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	445,890.28	77,158.69	44%
SUBTOTAL	1,002,493.00	445,890.28	77,158.69	44%
2. Transportation Improvement Program				
Transportation Improvement Program	263,982.00	154,401.33	24,844.64	58%
TIP Database Support	170,000.00	62,085.00	0.00	37%
SUBTOTAL	433,982.00	216,486.33	24,844.64	50%
3. Planning Elements				
Congestion Management Process	613,020.00	282,334.79	35,229.03	46%
Systems Performance, Ops & Tech Planning	659,650.00	321,688.65	47,832.90	49%
Transportation Emergency Preparedness Planning	124,162.00	78,372.22	9,440.74	63%
Transportation Safety Planning	298,785.00	132,860.99	30,708.46	44%
Bicycle & Pedestrian Planning	141,278.00	95,777.77	10,899.31	68%
Regional Public Transportation Planning	322,516.00	114,361.57	20,529.70	35%
Freight Planning	222,293.00	96,967.79	17,611.91	44%
Metropolitan Area Transportation Operation Coord Program Planning	164,580.00	106,644.70	13,689.54	65%
Performance-Based Planning & Programming	304,526.00	185,850.00	34,644.69	61%
SUBTOTAL	2,850,810.00	1,414,858.49	220,586.28	50%
4. Public Participation				
Public Participation	1,013,150.00	494,804.01	89,461.87	49%
SUBTOTAL	1,013,150.00	494,804.01	89,461.87	49%
5. Travel Forecasting				
Software Support	176,296.00	76,307.84	11,635.34	43%
Network Development	657,578.00	514,424.79	68,958.69	78%
Model Development	2,306,329.00	749,681.79	130,030.43	33%
SUBTOTAL	3,140,203.00	1,340,414.41	210,624.46	43%
6. Mobile Emissions Planning				
Air Quality Conformity	888,388.00	496,899.80	92,576.95	56%
Mobile Emissions Analysis	1,090,464.00	463,224.86	77,883.02	42%
SUBTOTAL	1,978,852.00	960,124.66	170,459.97	49%
7. Travel Monitoring and Data Programs				
Regional Travel Survey	745,208.00	460,152.29	90,752.64	62%
Traffic Analysis & Research	675,464.00	91,201.03	30,400.19	14%
Regional Transportation Data Clearinghouse	455,937.00	175,435.70	42,229.24	38%
GIS Analysis	582,249.00	317,727.89	41,802.23	55%
SUBTOTAL	2,458,858.00	1,044,516.91	205,184.31	42%
8. Planning Scenarios and Socioeconomic Forecasting				
Socioeconomic Forecasting	761,012.00	497,324.39	44,511.28	65%
Scenario Planning	355,627.00	7,120.22	1,487.73	2%
SUBTOTAL	1,116,639.00	504,444.60	45,999.01	45%
9. Mobility and Enhancement Programs				
Transportation and Land Use Connections Program	492,958.00	141,494.24	45,221.28	29%
Enhanced Mobility Grant Program	105,634.00	81,330.41	17,167.19	77%
Transportation Alternatives Set-Aside Programs	51,354.00	37,001.75	7,438.85	72%
SUBTOTAL	649,946.00	259,826.39	69,827.32	40%
10. TPB Support and Management				
TPB Support and Management	978,789.00	500,644.46	66,542.50	51%
SUBTOTAL	978,789.00	500,644.46	66,542.50	51%
SUBTOTAL CORE PROGRAM ITEMS 1-10	15,623,722.00	7,182,010.54	1,180,689.04	46%
TECHNICAL ASSISTANCE				
District of Columbia Technical Assistance	288,548.00	130,404.91	22,569.87	45%
Maryland Technical Assistance	641,082.00	76,406.44	27,438.82	12%
Virginia Technical Assistance	461,312.00	76,877.59	20,988.01	17%
WMATA Technical Assistance	182,226.00	1,467.86	917.43	1%
Technical Assistance Program Total	1,573,168.00	285,156.80	71,914.12	18%
TPB GRAND TOTAL	17,196,890.00	7,467,167.34	1,252,603.17	43%

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

February 2020
SUPPLEMENT 1

	TOTAL AUTHORIZED BUDGET	TOTAL EXPENDITURES	FTA/STA/LOC AUTHORIZED BUDGET	FTA EXPENDITURES	PL FUNDS/LOC AUTHORIZED BUDGET	FHWA EXPENDITURES
A. District of Columbia Technical Assistance						
Program Development & Misc	10,000.00	5,060.62	1,422.89	720.07	8,577.11	4,340.55
Traffic Counts & HPMS Support	235,000.00	125,344.29	33,437.99	17,835.16	201,562.01	107,509.13
Other Tasks	43,548.00	0.00	6,196.42	0.00	37,351.58	0.00
SUBTOTAL	288,548.00	130,404.91	41,057.30	18,555.23	247,490.70	111,849.68
B. Maryland Technical Assistance						
Program Development & Misc	15,000.00	4,145.26	2,134.34	589.83	12,865.66	3,555.43
Planning Studies	100,000.00	22,421.93	14,228.93	3,190.40	85,771.07	19,231.53
Feasibility/Special Studies	50,000.00	366.96	7,114.47	52.21	42,885.53	314.75
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	23,497.91	36,995.23	3,343.50	223,004.77	20,154.41
Other Tasks	61,082.00	0.00	8,691.32	0.00	52,390.68	0.00
MARC - VRE Runthrough - MD	35,000.00	25,974.37	4,980.13	3,695.88	30,019.87	22,278.50
SUBTOTAL	641,082.00	76,406.44	91,219.13	10,871.82	549,862.87	65,534.62
C. Virginia Technical Assistance						
Program Development & Misc.	15,000.00	3,961.24	2,134.34	563.64	12,865.66	3,397.60
Travel Monitoring	148,000.00	39,592.04	21,058.82	5,633.53	126,941.18	33,958.52
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	7,288.79	22,766.29	1,037.12	137,233.71	6,251.67
MARC - VRE Runthrough - VA	35,000.00	26,035.52	4,980.13	3,704.58	30,019.87	22,330.94
SUBTOTAL	461,312.00	76,877.59	65,639.78	10,938.86	395,672.22	65,938.73
D. WMATA Technical Assistance						
Program Development & Misc	5,000.00	1,467.86	5,000.00	1,467.86	0.00	0.00
Other Tasks	177,226.00	0.00	177,226.00	0.00	0.00	0.00
SUBTOTAL	182,226.00	1,467.86	182,226.00	1,467.86	0.00	0.00
GRAND TOTAL	1,573,168.00	285,156.80	380,142.21	41,833.77	1,193,025.79	243,323.03