

FY 2021



National Capital Region
Transportation Planning Board

Work Program Progress Report

September 2020

FY 2021

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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The TPB approved its FY 2021 Unified Planning Work Program (UPWP) in March 2020. The TPB Work Program Progress Report provides a short summary of each activity for the month of September. In addition, this report concludes with status updates reflecting timelines for all ongoing program plans and projects. Please reference the 2021 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	\$1,085,010	\$97,982	22%	31

1. LONG-RANGE TRANSPORTATION PLANNING

1.1 Long-Range Transportation Plan

Given Covid-19 implications, staff that manages long-range transportation plan activities continued to work with the public participation team and determined that all public participation activities should be planned for social distancing or easily modified be provided virtually. The survey that LRTP staff developed in coordination with public participation staff was implemented across the region. Staff continued developing the approach to conducting virtual Focus Groups that would be a small group public opinion research activity that parallels the online statistically significant survey. The team also began talking about a parallel virtual activity that would be open to the public. Staff developed a preliminary approach to communications materials and comment gathering for the first comment period. Staff are considering the Title VI implications for all communications and activities.

Building on the approved schedule and scope, staff continued refining the detailed schedule and workplan. Staff completed with each subtask ‘owner’ and others who contribute to each subtask to identify opportunities to improve efficiency, improve process, and increase coordination. Staff is finalizing the workplan, which will be a living document. These tools will be used to during regular meetings that will be scheduled to develop the next quadrennial plan update that will be submitted for approval in CY 2022.

Staff continued discussing the plan outline, including the best approach for speaking to equity, and coordinated with team members on how to tailor products to ensure that TPB topical planning efforts are integrated with the plan development.

Staff developed a draft and updated technical input solicitation guide and appendix for the next Plan (and TIP) update. Staff review this document with staff, the State Technical Working Group and the TPB Technical Committee.

Staff continued coordinating with other DTP staff to conduct a CAV webinar series.

Staff implemented advanced a new task order that will document regional climate resiliency/stormwater planning and identify regional strategies for resiliency/stormwater management through transportation projects and program. Staff coordinated with COG to ensure alignment of working activities, to share information, and to build in efficiencies into the completion of this work

Staff continue to explore and test performance measures that could help to address TPB’s policy priority focus areas. LRTP staff presented on this topic at the TPB Technical Committee July 2020 meeting.

Staff continued a project to develop infographics and brief videos to communicate about the TPB, Visualize 2045, system performance and the Aspirational Initiatives. 3 infographics are complete, and 3 of those are moving toward the development of infographic -based videos.

1.2 Federal Compliance

Staff coordinated with the Fredericksburg MPO (FAMPO) staff to understand where the FAMPO policy board is on the process to update the 2004 MOU.

1.3 Policy Board-Directed Activities

Staff completed the activities associated with TPB Resolution R10-2019 which directed staff to conduct activities related to the implementation of three of the aspirational initiatives. There are no board-directed activities under this task at this time.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	\$438,483	\$18,608	12%	33

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1 Transportation Improvement Program (TIP)

At its meeting on September 4, the TPB Steering Committee approved three resolutions to amend the FY 2021-2024 TIP. The first amendment requested by VDOT was to include funding for the Long Bridge project between the Commonwealth of Virginia and the District of Columbia. The second and third resolutions were to approve amendments to the TPB’s portion of the TIP to include funding for the Deployment of Personalized and Dynamic Travel Demand Management Technology in the Washington-Baltimore-Richmond Megaregion project, and the Rides To Health project in Montgomery County funded by the Innovative Coordinated Access and Mobility (ICAM) pilot program.

TPB staff worked with staff from DDOT to finalize an amendment to the FY 2021-2024 TIP to update project and funding information for the full four-year period of the program. There were no comments received during the 30-day public comment period and the TPB approved the amendment at its meeting on September 16.

2.2 TIP Database support

The consultant continued work with TPB staff to implement the Bicycle and Pedestrian Plan module for Project InfoTrak and to gather spatial data for those projects. The consultant completed the import and mapping of DDOT TIP projects, the Congestion Management Process documentation report and requested modifications to Conformity module. The consultant worked with TPB staff to review the default public comment mechanism and to update the logic for Revenue and Financial Constraint Reports. TPB and VDOT staff began manual mapping of VDOT TIP projects.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$2,952,916	\$175,514	16%	35

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff coordinated with State DOTs on the Washington UZA and TMA performance measures and targets. Following comments, a final input for the FHWA Mid-Period Performance Report was completed and sent to State DOTs to include in their submission. Staff also drafted and completed a MPO CMAQ Performance Plan for State DOTs to submit to FHWA as well. Staff briefed the TPB Technical Committee and the TPB on the draft Transit Safety targets, developed in coordination with the regional providers.

Staff continued discussion on the content and work items regarding PBPP for the 2022 version of the Visualize 2045 long range transportation plan. Staff participated in the VDOT Quarterly MPO meeting.

3.2 Congestion Management Process

Staff presented information on impacts of the COVID-19 pandemic on roadway traffic, transit ridership, and other aspects of transportation at the September 4 TPB Technical Committee meeting. With advice from the Technical Committee, staff began a multi-sectoral analysis of pandemic impacts for future presentation to the TPB and other stakeholders.

CMP data compilation and analysis continued toward future editions of the National Capital Region Congestion Report quarterly website “dashboard”.

3.3 Systems Performance, Operations, and Technology Planning

Planning for future TPB Connected and Autonomous Vehicles (CAV) webinars continued.

3.4 Transportation Emergency Preparedness Planning

The virtual September 9 meeting of the Transportation Emergency Preparedness Committee (R-ESF 1) was organized and conducted, to discuss current regional transportation emergency preparedness issues. Discussions continued regarding Metropolitan Area Transportation Operations Coalition (MATOC) and transportation agency response actions due to COVID-19.

3.5 Transportation Safety Planning

On September 1 and 29, staff reviewed with the State Technical Working Group the progress made to date toward establishing a Regional Safety Program.

On September 18 and 30, staff met with Frederick County and Maryland Highway Safety Office staff to discuss the development of a Frederick County Roadway Safety Plan and ways the future Regional Safety Program might be helpful to that effort.

Staff began outreach to state DOTs to understand their respective methodologies for setting highway safety targets in order to apply them to the development of safety targets for the National Capital Region.

For the Analysis of Regional Roadway Safety Outcomes study, TPB and consultant staff discussed the possibility of adding an equity emphasis area analysis to the scope of work.

3.6 Bicycle and Pedestrian Planning

The regularly scheduled September 15 meeting of the Bicycle and Pedestrian Subcommittee was organized and conducted. The agenda included a review of the status of the bicycle/pedestrian project database, a briefing on the National Park Service’s Paved Trails Plan, highlights of the August 13 regional Dockless E-Scooter workshop, and a review of the upcoming Street Smart Pedestrian and Bicycle Safety Campaign.

A virtual Best Practices in Pedestrian Enforcement Workshop was organized and held on September 23, featuring a presentation from Baltimore County Police. Approximately 25 police officers participated, as well as other interested jurisdictional staff.

Staff provided briefings on the recently adopted National Capital Trail Network, to the Tri-County Council for Southern Maryland’s Bicycle and Pedestrian Advisory Committee on September 10, and to the Capital Trails Coalition Steering Committee at their September 29 meeting (including discussion of potential changes to the Capital Trails Coalition’s network to make it consistent with the National Capital Trail Network).

3.7 Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met on September 28, remotely. The agenda focused on bus priority, with presenters from the City of Alexandria, WMATA, and DDOT. The

consultants for the TIGER Bus Priority Meta Study Task Order, having completed their work, delivered a presentation to the subcommittee. In addition, updates were provided by TPB staff on regional information gathered regarding transit operations and Covid-19.

Staff conducted various follow-ups regarding the synthesis of responses on transit service during and recovery from the pandemic, developed in cooperation with the MATOC Transit Task Force. TPB staff worked on the 2019 State of Public Transportation report. Staff discussed content and work items regarding public transportation for the 2022 version of the Visualize 2045 long range transportation plan. Staff conducted a recruitment effort for the vacant Transportation Planner II position.

TPB staff participated in two MATOC Transit Task Force calls and facilitated the discussion and development of options for assisting the region's transit providers in coping with the pandemic and the recovery of transit systems. Staff attended a Maryland Statewide Transit Plan meeting and a WMATA JCC meeting and conducted a conference call with Prince William County Supervisor Angry and County staff on Bus Rapid Transit.

3.8 Freight Planning

Staff reached out to Walmart to request their participation in an upcoming MWAQC's Technical Advisory Committee to discuss Walmart's Sustainability initiatives.

Staff began work to identify and geolocate significant truck trip generators both within the TPB modeling area and in surrounding states.

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.

Special conference calls were organized and conducted during September to discuss MATOC/transportation agency operational impacts of COVID-19, including:

- MATOC Transit Task Force, September 2 and 23
- MATOC Operations Subcommittee, September 3 and 24

The regularly scheduled virtual September 11 meeting of the MATOC Steering Committee was organized and conducted by conference call, continuing discussion of communications, coordination, and Traffic Incident Management topics, as well as impacts of COVID-19.

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	\$1,018,896	\$78,630	22%	41

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

Throughout September, staff worked on finalizing the questionnaire for a region-wide public opinion survey on transportation. The survey is examining broad challenges and opportunities related to regional transportation. It will be statistically significant and will provide input for a range of TPB planning activities, including the 2022 update to Visualize 2045, the region's long-range transportation plan. Consultant support was secured to assist with the survey's design,

implementation, and analysis. The survey was launched on September 22. A target number of 2,000 responses is anticipated with results that will be statistically valid at the level of 10 subregional geographies. Three separate mailings will be sent to randomly selected participants who will be asked to fill out the survey online using unique codes.

The final draft of the 2020 update to the TPB's Public Participation Plan was out for comment between August 25 and October 9. In September, staff began to develop responses to comments received from federal agencies. The new plan for the first time includes a Staff Guide that describes steps that TPB staff should consider and potentially undertake to integrate public engagement activities into the work of the department. The document also includes a Public Guide, which provides a succinct summary of how residents of the region can get involved in the TPB's work. The TPB is scheduled to approve the plan at its meeting on October 21.

Staff began to develop recommendations for a restructuring of the TPB Citizens Advisory Committee. The restructuring will include a revision in the membership structure, change from one-year terms to a two-year term, and a name change. The staff recommendations will be presented to the TPB in October and the TPB will be asked to approve restructuring in November.

Staff continued planning for qualitative research that will complement the opinion survey that is underway. These activities are expected to feature 8-10 focus groups, which will be held between December 2020 and February 2021. In September, staff developed a draft RFP to solicit consultant assistance in securing participants.

The 2020 CAC met for an online-only meeting on Thursday, September 10. At the meeting the committee discussed two items on the TPB agenda: The TPB Participation Plan Update, and the Implementation and 2022 Update of TPB's Long Range Transportation Plan, Visualize2045. The group was also briefed on and discussed potential future updates for its own mission and activities.

4.2 Communications

The following stories were featured in TPB News, the TPB's online blog, and COG news releases:

Check out the draft update to the TPB's Participation Plan

September 8, 2020

The TPB will set Transit Safety Targets for the first time

September 22, 2020

Here's what happened at the September TPB meeting

September 22, 2020

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

Staff updated pages on the COG website related to transportation. Staff also began planning for updates of the website.

Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	\$3,846,492	\$215, 020	15%	43

5. TRAVEL FORECASTING

5.1 Network Development

Staff began development of base transit network files, reflecting service current to December 2019, for use in the upcoming air quality conformity analysis of the 2022 update of Visualize 2045. The work involves downloading and processing 2019 base year General Transit Feed Specification (GTFS) data for all transit providers in the modeled area. For those providers whose information is not provided in GTFS format, staff obtains transit schedule information from the internet and manually calculates average headways and run times for the peak and off-peak periods.

Staff continued coordination with the consultant regarding export features in the Project InfoTrak (PIT) database. Staff is working to assure that the exported project information matches that in the air quality conformity inputs table from the 2020 Amendment to Visualize 2045. Staff also documented, in a memo dated September 25, transit assumptions in the networks related to the 2020 Amendment to Visualize 2045.

Staff continued development of a spreadsheet listing time-of-day number of lanes on roads in the District. When completed, the spreadsheet will be used to update the regional networks to reflect parking restrictions and other daily lane variations.

Staff developed a prototype for a unified geodatabase system that supports transportation networks in both Cube TRNBUILD and Cube Public Transport (PT) formats. Staff will be testing and refining the prototype in October.

In response to an internal data request from the Planning Data and Research team, staff generated ArcGIS shapefiles of the year-2019 transit network for Northern Virginia, based on the GTFS data from the five transit providers operating in that area.

5.2 Model Development, and Support

The Travel Forecasting Subcommittee (TFS) meets in odd-numbered months. At the September 18 meeting, the following topics were discussed:

- Transportation impacts of the COVID-19 pandemic in the National Capital Region
- Regional Travel Survey briefing: Initial findings of observed daily trips
- Investigation of Cube Voyager Public Transport (PT) transit modeling software with the TPB's Gen2/Ver. 2.3 Travel Model: Proposed Fare Systems
- COG/TPB Gen3 Travel Model: Status report
- Capacity-constrained public transit assignment on a model of the WMATA Metrorail system

Staff also began developing the draft meeting highlights.

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

Following up on an inquiry from Montgomery County planning staff, COG staff performed a modeling exercise to verify the redundancy of transit stop information coded in the station file.

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

In preparation for a Version 2.4 Travel Model transmittal package, staff started updating the model user's guide. Staff also conducted a 2014 model run and started updating the 2014 model validation statistics.

As part of the investigation of Cube Public Transport (PT) in the Gen2 Model, staff implemented the 2018 PT fare system specifications for this region in the Ver. 2.3.85 Model and transmitted the modeling files and documentation to RSG, the consultant on the Gen3 Model development project. Staff also assembled 2007 and 2014 fare inputs for the subsequent model calibration and validation with PT fare specifications.

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 Travel Model:

- Staff held three regular check-in meetings with RSG and BMG, the consultants on the Gen3 Model development project (on September 3, 10, and 24).
- Staff reviewed and discussed with RSG the Gen3 Model data needs as outlined in an RSG memo (last updated 9/24/20). Staff started to collect and process some data items listed in the memo. Specifically,
 - Item #3: Staff downloaded and processed the school and university enrollment data for the region. Staff transmitted the zonal data with enrollment information, along with a memo (dated 9/15/20) that documented this data, to the consultant.
 - Item #4: Staff prepared and transmitted the zonal land use data in five-year increments between 2015 and 2045. Staff also responded to inquiries from the consultant regarding the transmitted Group Quarters population data.
 - Item #6: Staff contacted the GIS departments in Maryland and Virginia in search of the GIS data for open and active space; Staff also coordinated with the Planning Data and Research (PDR) team, which will take the lead on researching and preparing this data.
- Staff reviewed and discussed with RSG the Gen3 Model data nStaff held an internal discussion with the Planning Data and Research (PDR) team on September 14 regarding the possible recoding of survey variables from COG's Regional Travel Survey (RTS) and Baltimore Metropolitan Council's (BMC's) Maryland Transportation Survey (MTS), which will be combined for some overlap jurisdictions, to develop a unified survey data set, covering the entire COG modeled area, for Gen3 Model development activities. Following the meeting, staff requested the SAS programs that the PDR team had developed to produce the survey data summaries. Staff is in the progress of studying the code and expanding the summaries based on the Gen3 modeling needs.

Other activities

Staff serviced five data requests: One request was from a state DOT; Two requests were from local agencies; and two requests were from consultants. The requested data included the Ver. 2.3.78 Travel Model, load-links highway network files in CUBE file format, year-2007 traffic count data, base-year (2018) and future-year (2045) transit networks in PT format and transit skimming scripts from the developmental Ver. 2.3.85_PT Model.

Staff held an internal discussion on September 2 regarding Replica and related Big Data products.

Staff attended a meeting on September 3 with Montgomery County DOT and Montgomery County planning department staff discussing the modeling assumptions in support of their General Plan Update.

Staff served on an expert panel for the FHWA "Modeling Strategies for Demand Responses to Toll" Project on September 11.

Staff attended a COG internal meeting discussing the experiences of working with StreetLight Data datasets on September 16.

Staff was educated about equity issues during a meeting on September 21.

Staff attended two webinars, hosted by the Zephyr Foundation for Advancing Travel Analysis Methods: “Introduction to ActivitySim” on September 14 and “Panel on the Intersection of Survey and Passive Data” on September 28.

Staff started the compilation of year-2019 observed daily vehicles-miles-of-travel (VMT) data.

Task 6	Budget	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,835,592	\$154,253	22%	45

6. MOBILE EMISSIONS PLANNING

6.1 Air Quality Conformity

Staff provided briefings to the TPB Technical Committee (Other Business), Metropolitan Washington Air Quality Committee’s Technical Advisory Committee (MWAQC-TAC, item #5), and TPB (Report of the Director) on findings of a sensitivity test conducted for the Virginia Department of Transportation (VDOT) to determine if minor modifications to the I-495 NEXT (Beltway Express lanes) project would change the outcome of the conformity analysis of the 2020 Amendment to Visualize 2045 (also documented in the Technical Assistance section of this progress report, Section 11).

Staff continued to regularly attend coordination meetings related to scheduling tasks for the 2022 quadrennial update of the region’s Long-Range Transportation Plan, including air quality conformity analysis, system performance, and environmental justice analysis. Staff also participated in a coordination call with VDOT and county staff regarding steps required to include a project in the region’s Long-Range Transportation Plan (LRTP) and air quality conformity analysis. Staff continued to participate in the TPB Performance Analysis Advisory Group and Scenario Planning Project Oversight Committee.

Staff continued to work on the documentation of the recommendations for the toll-setting process for the Version 2.4 Travel Demand Model, which will likely be used in the next air quality conformity cycle.

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

Staff continued to coordinate with the three departments of transportation (DOTs) to obtain information for Congestion Mitigation and Air Quality Improvement Program (CMAQ) mid-period Performance Based Planning and Programming (PBPP) reporting requirements. Staff developed the MPO mid-period performance report and transmitted the report to the State DOTs enabling the DOTs to send the report to the Federal Highway Administration (FHWA) by the October 1 deadline.

6.2 Mobile Emissions Analysis

COG’s Department of Environmental Programs (DEP) staff provided an ozone season summary and impacts of COVID-19 restrictions on traffic and air quality to MWAQC-TAC (item #2) and MWAQC (item #5). Under the same item, DEP staff also discussed the implication of the current ozone season on future ozone planning. Finally, DEP staff discussed the implications of an EPA proposal to maintain the current ozone standards of 70 parts per billion (item #6 at MWAQC-TAC and MWAQC). MWAQC submitted a letter as a part of the public comment requesting that EPA withdraw the proposed rule, start a broader review process by using the advice from a newly constituted Clean Air Scientific Advisory Committee (CASAC) Ozone Review Panel, and consider information available in recent studies for proposing the new ozone National Ambient Air Quality Standards.

DEP and DTP staff coordinated on the selection of the milestone year (2019 versus 2020) for obtaining and processing the vehicle registration data from the Virginia, District of Columbia and Maryland departments of motor vehicles and briefed MWAQC-TAC on this matter (item #6).

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. DTP staff attended the September Climate Energy and Environment Policy Committee (CEEPC) meeting, at which the attendees were briefed on the 2030 Regional Climate and Energy Action Plan (item #3). The committee also approved a COG Board Resolution on Regional Climate Goals to move forward to the COG Board (item #4).

DTP management and staff, along with DEP staff and COG’s executive office representatives, coordinated activities with our members regarding the Transportation and Climate Initiative (TCI). DTP staff continued with preparations of materials and logistics for the 2020 TPB Work Session on Climate Change Planning in the National Capital Region, scheduled for October 21, which will include briefings on the 2030 Regional Climate and Energy Action Plan and TCI. Both TPB Technical Committee (Other Business) and TPB (Report of the Director) were notified of the event. TPB staff also continued with its involvement in the TCI activities and attended TCI webinars on additional sensitivity testing and modeling (September 16) and equity (September 29).

In response to a request by the District Department of Energy and Environment (DOEE), DTP staff provided DOEE staff with MOVES model input and output data developed for the 2020 Amendment to Visualize 2045.

In response to a request by the Federal Highway Administration’s (FHWA’s) Volpe Center staff, DTP staff continued to conduct a beta test of the FHWA's Database for Air Quality and Noise Analysis (DANA) Tool and the related TNMAide tool.

DTP staff continued to conduct MOVES model tests to further refine greenhouse gas emissions modeling estimates for future studies. Staff also continued to explore different ways to model criteria pollutant emissions to both maintain consistency with the Version 2.4 travel demand model that is expected to become official in the fall of 2020 and to introduce innovative new processes (e.g., machine learning).

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	\$2,164,394	\$140,424	23%	47

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Regional Travel Survey

Key tasks were focused on tabulating the trip file data from the 2017/2018 COG/TPB Regional Travel Survey (RTS), in addition to conducting data validation checks. Staff conducted the following activities:

- Prepared tabulations of the RTS trip file for the TPB Planning Region to be shared in a series of presentations to the TPB Technical Committee and the Transportation Planning Board starting in September.
- Performed validation checks of the RTS household, person, and trip files.
- Reviewed the household, person, and trip files from the Maryland Travel Survey (MTS) for the three overlapping BMC counties (Anne Arundel, Carroll, and Howard Counties) to be combined with the RTS dataset.

- Developed a variable comparison chart between the RTS and the MTS to show which variables have differences in coding and which variables may require imputations.
- Provided an update on the RTS to the TPB Technical Committee on September 4.
- Provided an update on the RTS to the Travel Forecasting Subcommittee on September 18.
- Gathered transportation surveys measuring the impacts to travel behavior from COVID-19 that inform regional transportation planning.
- Participated in a brainstorm and interview with the Planning Development and Coordination team to develop content and concepts for upcoming TPB news articles.
- Staff responded to an inquiry from the Montgomery County Planning Department.

7.2 Traffic Analysis Studies, and Research

Staff continued to evaluate the traffic volume patterns during COVID, adding August 2020 continuous count station data to the analysis. Staff participated in a brainstorm to discuss how to build upon this analysis and potential begin regularly sharing outward facing pieces. As a follow-up to the brainstorm, staff began working on formatting a monthly report and contacted Communications staff to discuss setting up a page where updates to the report can regularly be posted.

Staff developed two presentations options for the October 14 COG Board Item, Regional MARC-VRE Run-through Service, to highlight the VRE-MARC Run Through Service Market Assessment. Staff also reached out to VRE and MARC to make them aware of the presentation. Upon request, staff shared notes from stakeholder calls as well as response to an online questionnaire/survey used to obtain stakeholder input for the Market Assessment with MARC and Virginia Department of Rail and Public Transportation.

Staff scheduled a meeting with Remix to obtain for a demo of their products.

Staff received input and corresponded with the Committee of 100 about their comments on the Union Station Draft Environmental Impact Statement.

Staff responded to an inquiry from the Department of Community Planning and Services (DCPS) about the commuting analysis Montgomery County conducted for their I-270 Corridor Forward Plan.

In support of the Travel Forecasting and Emissions Analysis Team, staff:

- Responded to an inquiry about geographic crosswalks and water areas.
- Reviewed and provided input on memo about COG data sets needed for calibration and validation of the Gen3 Travel Model.

In support of the Plan Development and Coordination Team, staff:

- Provided input about potential takeaways from the Transit Within Reach Transit Access Focus Area (TAFA) project about walkability in equity emphasis areas.
- Provided recommendations for a Long-Range Transportation Plan Equity Infographic and prepared corresponding data tabulations.
- Answered an inquiry on coordination with FAMPO on past projects.
- Shared details and resources from the social and racial equity work performed by Region Forward in 2018.

Staff participated in the following meetings and forums:

- Gen3 Model Check-in meetings
- Team Equity Workshop
- NCAC APA Meeting
- Compounding Crises Complicate the Recovery from Covid-19 by National Conference on Citizenship
- Panel on the intersection of Survey and Passive Data

Big Data in Regional Travel and Mobility Analyses

Staff is continuing to develop an amendment to the consultant contract to have the consultant perform three coordination meetings to refine and develop an actionable path toward Big Data procurement for COG/TPB.

7.3 Regional Transportation Data Clearinghouse (RTDC)

Staff responded to a request from the Washington Metropolitan Area Transit Authority (WMATA) regarding the number of Transportation Analysis Zones (TAZ) within the WMATA service area. Staff directed WMATA to the appropriate data source that would work with WMATA's temporary technical limitations.

Staff responded to a request from the Models Development team on behalf of a consultant requesting a spatial data layer of the Purple Line light rail project in Maryland.

Staff began outreach to jurisdictional staff to request average weekday transit ridership data to update the current RTDC content.

Staff continued importing historical hourly non-motorized counts from Arlington into SAS so that they can be checked and analyzed, this process is ongoing.

Staff requested, received, and processed highway hourly continuous counter data for August 2020 from Maryland, Virginia, and the District of Columbia. This included identifying locations and dates with missing or suspect data.

Staff rematched the Virginia HOV and LOV counting stations with network links to place the counts on the correct grouping of links to differentiate between HOV and LOV facilities. Staff continued the process of assigning annualized 2018 traffic volumes and related items to network links to pass on to the Travel Forecasting and Emissions Analysis Program team and their contractor, RSG for Gen3 Model development. Staff obtained the 2018 Link file that was provided to RSG staff and compared it with the 2018 RTDC network links.

Staff participated in meetings and email exchanges with the Travel Forecasting and Emissions Analysis Program team and their contractor, RSG, to clarify traffic data needs for Gen3 Model development.

Staff participated in the FHWA Highway Information Seminar on September 22 through 24.

7.4 GIS Data, and Analysis

Staff developed additional web mapping applications in support of the Transit Oriented Communities (TOC) project. Staff associated Cooperative Forecast data to the High Capacity Transit (HCT) stations and created datasets of summarized data by HCT station area and jurisdiction. Staff also associated CoStar data of commercial construction to the HCT stations (by TAZ) and created summarized data by station area and jurisdiction. A new web application is being developed for the October TPB Technical Committee meeting.

Staff obtained CoStar data from the Department of Community Planning and Services (DCPS) to use in the TOC web application (described above).

Staff began work on the development of an interactive mapping tool support the October 23 meeting of the Regional Elected Leaders Initiative (RELI) of Northern Virginia. Staff is currently working with fellow DTP staff to collect data, develop specifications, and create content for this tool.

Staff obtained Northern Virginia transit data (lines and routes) from the Northern Virginia Transportation Commission (NVTC). The data are derived from the General Transit Feed Specification (GTFS). Staff also obtained GTFS data for all regional transit represented in TPB's travel demand model from the Network Development team. Both datasets were evaluated for use in the RELI interactive tool (described above).

Staff obtained data from a variety of Northern Virginia jurisdictions and other sources for public education. These data were used to develop a dataset to be used in the RELI interactive tool.

Staff continued to participate in the regularly scheduled MWCOG Gen3 Model check-in meetings held throughout September. Staff provided feedback on the final memo regarding the data needs of the Gen3 model. Relatedly, staff met with the Planning Data and Research director to discuss active park space/open space data sources to support the Gen3 model.

Staff completed the data acquisition for the regional bicycle and pedestrian plan. Staff provided geospatial and tabular data files to TPB's consultant (EcoInteractive) and responded to several follow up questions from the contractor.

Staff provided presentation-quality graphics of the Equity Emphasis Areas (EEA) to the Planning Data and Research director for use in a PowerPoint presentation.

Staff continued to meet with fellow DTP staff to begin discussion and coordination regarding GIS and long-range plan workplan coordination. The discussion is ongoing.

Staff coordinated with Commuter Connections staff about transitioning their ArcGIS Online park and ride map to a new server administered by Commuter Connections. Staff also received the updated Park and Ride data that will also be hosted on the G drive to make it accessible to more TPB/COG staff.

Staff continued the review of media (maps graphics, tables, etc.) created for various TPB programs and projects, and worked on the plan to develop a single place on the G drive that will serve as a department-wide repository for items.

Staff planned and participated in the GIS Committee/GDX Working Group virtual meeting on September 15. Highlights of the meeting included: status reports on the NCR-GDX and NextGen 9-1-1, discussion of the Food Availability Data Mapping Initiative, and a discussion of multispectral imagery procurement.

Staff attended The Chief Information Officers (CIO) virtual meeting on September 17.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING	\$1,530,943	\$97,064	16%	51

8. SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING

8.1 Scenario Planning

Following the second meeting of the Scenario Planning Project Oversight Committee, the project manager obtained input and feedback from Committee members on the definition, memo, and proposed approaches for the tools and peer agency review memos. Prior to sharing this input with the Consultant, the project manager reviewed, reconciled, and clarified the comments.

8.2 Socioeconomic Forecasting

During the month of September, DCPS activities to support Cooperative Forecasting focused on several areas.

Review of initial draft Round 9.2 Cooperative Forecasts – Throughout September, DCPS staff, the Cooperative Forecasting Subcommittee and Planning Directors Committee received and reviewed initial draft Round 9.2 Cooperative Forecasts. DCPS staff noted that 10 COG member jurisdictions have elected to update their forecasts, but the changes are incremental and will not significantly

affect the regional Forecast totals. The initial draft projections indicate a -0.2% decrease in 2045 employment when compared to Round 9.1, and a 1.5% in population and 1.1% increase in households for the same year.

Housing Targets update – To assist with preparation of small-area housing Forecasts, DCPS staff completed and presented the 2019 Multi-family Rental Housing Report using the CoStar database that is also the source of the annual Commercial Construction report. The report noted that new construction was primarily in the core and near Metrorail stations and that NoMa, Southwest Waterfront, Silver Spring and Tysons all had significant multifamily construction in 2019. Separately, COG staff noted that the incremental increase in housing units in the initial draft Round 9.2 Forecasts has narrowed the gap very slightly towards the COG Board Housing Targets, which align with the TPB Aspirational Initiative, “Bring Jobs and Housing Closer Together,” but current housing unit production overall is well below the need identified, indicating that the short-term (2025 and 2030) Board housing goals may not be attainable.

COVID-related impacts to the economy – To monitor current economic trends and begin to determine their potential effects to long-term growth, DCPS staff developed a PowerPoint presentation documenting the effects to date of COVID on the region’s economy, a key driver of regional travel. The data shows that the Region lost more than 300,000 jobs in the first few weeks of the Pandemic, but that nearly 100,000 have since returned. Staff noted also that the Region’s unemployment rate has improved since the onset of COVID and remains several points below that national average. Members of the Planning Directors Technical Advisory Committee and its Cooperative Forecasting subcommittee agreed it was too early to determine if the data are short- or long-term impacts to planning and growth. Staff noted that many ‘macro-economic’ trends – office vacancy, commercial space utilization, current concerns over residential and commercial density will form the basis for the next major Forecast update: Round 10, which will inform future regional travel demand forecasting.

DCPS and DPT staff participated in a kick-off meeting about this task.

Staff supported the September 14th Connected DMV Founder’s Call. Staff coordinated and organized responses from the TPB Team Leaders on the latest flex work schedules agreement and group meeting notes. Staff also provided records and assistance to transition the coordination of Connected DMV and the Strategic Renewal Taskforce to the Executive Office.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILITY AND ENHANCEMENT PROGRAMS	\$624,450	\$23,714	11%	55

9. MOBILITY AND ENHANCEMENT PROGRAMS

9.1 Enhanced Mobility Grant Program

TPB staff and Access for All Committee Chair Kostiuik discussed options and timing for a replacement Chair.

TPB staff was invited to be part of MTA’s 5310 selection committee and attended MTA’s 5310 session at the Transportation Association of Maryland’s annual conference on September 17.

September 21-24 TPB staff attended the National Association of Area Agencies on Aging annual conference, presented on the 5310 Enhanced Mobility program and participated in the Transportation Fair.

9.2 Transportation Alternatives Set-Aside Program

Staff conducted activities to prepare for applications for the DC TAP program, which are expected in October, staff also conducted research into possible uses for TAP surplus funds in Virginia.

9.3 Transportation Land-Use Connections Program

Staff continued procurement activities for the new TLC projects that were approved in April.

For each of the projects, scores from Technical Selection Committee (TSC)s were compiled. The TSCs were asked to score the proposals received. Based upon the scores, winning bids were selected in most cases. In cases in which the competing scores were within three percentage points, staff convened consensus panels to determine final winners. The contracts are expected to be finalized in October.

The 15th project for this year, which will develop a public space activation guide for the District of Columbia, is on a separate track for consultant selection. This project replaced a previously selected project that had to be cancelled because of the pandemic. In September, staff identified consultants from whom to solicit bids.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$858,369	\$46,430	16%	57

10. 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
- MWCOG Board Meetings
- Transportation Planning Board (TPB)
- MATOC Steering Committee

- TPB Citizens Advisory Committee (CAC)
- Access for All (AFA)
- Regional Public Transportation Subcommittee (RPTS)
- Bicycle & Pedestrian Subcommittee
- COG Planning Directors
- TPB Freight Subcommittees

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 months of July and August include:

- 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 September include:

- Discussion with Alexandria TPB member Re: AFA Chair
- Pandemic Period Travel Impacts - Staff Discussion
- MWAQC – TAC Meeting
- Rethinking the CAC – Staff discussion
- VRE-MARC COG Board Presentation Staff Discussion
- Input to ULI Washington on their internal grant
- Purple Line Discussion
- Draft COG Board Climate Resolution Staff discussion
- TPB COG Town Hall Series Prep
- BRT in Prince William Co. Discussions with TPB member
- 2030 Climate Action Plan Draft – Staff discussion
- TPB COG Town Hall Series Out of Crisis (Crisis Understanding) – Series #1
- WMATA Funding Debrief with COG staff for CAOs
- CEEPC Meeting
- Economic Development Collaboration
- Public Health Indicators Staff discussion
- Climate Change Planning Work session – Discussion with DOTs
- Outlook of planning focus areas for staff - MWCOG-ICF Discussion
- NARC Regional Modelers 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	\$2,055,007	\$12,674	2%	59
District of Columbia	\$294,366	\$9,890	8%	59
Maryland	\$807,806	\$815	0%	61
Virginia	\$578,978	\$1,783	2%	63
WMATA	\$373,857	\$185	0%	65

11. TECHNICAL ASSISTANCE

11.1 District of Columbia

Program Development, Data Requests and Miscellaneous Services

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

Staff responded to an inquiry about the availability of maps showing median income and car ownership percent by zip code. While maps were not readily available, staff described what data is available from the Census Bureau and other sources.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

The contractor began conducting the fall 2020 short-term counts as assigned. Staff worked with DDOT staff and the traffic counting contractor to address issues that arose with timing of the counts, traffic detours, and street sweeping.

Staff summarized and analyzed the August 2020 traffic data from PCS and FTMS stations and shared the summaries with DDOT staff for field inspection purposes. Staff updated programs and files to reflect a change in channel positions at one permanent counting station.

Staff began gathering input for and updating the 2019/2020 DC Traffic Monitoring System Report.

Staff participated in the FHWA Highway Information Seminar on September 22 through 24.

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.

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.

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

Non-Motorized Counts

Staff worked with VDOT's NoVA District Bicycle/Pedestrian Coordinator and the traffic counting consultant to refine the schedule for the non-motorized counts that were postponed from the Spring of 2020. The consultant began the fall 2020 counting process.

Travel Demand Modeling

Air Quality Conformity (AQC) Sensitivity Test

Staff reported to the Technical Committee, MWAQC TAC, and the TPB on the VDOT I-495 NEXT (Express Lanes) Project sensitivity test that was conducted over the summer.

Sub-Regional Planning Study

Park and Ride Study

The consultant, VDOT, and COG/TPB participated in regular monthly check-in meetings as well as a meeting to review the lot inventory web map deliverable.

The consultant completed and prepared a draft memo summarizing existing research. VDOT and COG/TPB staff provided feedback and guidance on finalizing the memo.

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.

Transportation / Land Use Connections Program

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

CONTINUOUS AIRPORT SYSTEM PLANNING

Aviation Technical Subcommittee

Staff hosted the September 24 Aviation Technical Subcommittee Meeting, during which time staff: shared out the scope of work for the Survey Response Rate and Quality Study, discussed the feasibility of conducting the 2021 Washington-Baltimore Regional Air Passenger Survey, and explored possible future study topics, including airport worker ground access.

Comprehensive Regional Air System Plan Update – Phase 3

There are no updates to report on RASP Phase 3, but it will remain an item in here until the finalized report has been published online (and possibly shared out with one or more TPB committees).

Survey Response Rate and Quality Study

In advance of the September Aviation Technical Subcommittee Meeting, staff received approval from CASP funding partners (MWAA, MAA, and DDOT) to utilize TPB's on-call consultant, ICF, to conduct the Survey Response Rate and Quality Study. From there, staff reached out to ICF, who confirmed interest in working on the study. Staff arranged a call to discuss the scope of work in greater detail with ICF and their team of subconsultants specializing in airport planning and survey analysis. ICF's proposal to TPB staff is due on October 15 – a slight extension from the initially agreed upon due date of October 12.

Process 2019 Air Passenger Survey - Phase 2

COG staff continued the analysis of the 2019 Washington-Baltimore Regional Air Passenger Survey (APS), including conducting manual geocoding.

PROGRESS TOWARD REPORTS AND PLANS

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 completed the Big Data Evaluation (Task 3)
- The consultant submitted the final report
- Big Data evaluation completed in June 2020
- The project was extended, and an amendment is under development for a new task – Task 4 for the Consultant to execute three coordination meetings to refine and develop an actionable path toward Big Data procurement for COG/TPB.

Public Participation Plan

- Draft plan released for 45-day public comment period: August 25, 2020
- Anticipated approval: October 2020

Public Opinion Survey for Visualize 2045

- Survey instrument and methodology developed: July-August 2020
- Respondents complete survey: September- October 2020
- Anticipated findings analyzed and report released: November – December 2020

Qualitative Research (Focus Groups) for Visualize 2045

- Methodology developed and participants recruited: August- October 2020
- Focus groups to be conducted January-February 2021
- Anticipated findings analyzed and report released: February-March 2021

Transit Access Focus Areas Study

- Completed: July 2020

Develop Regional Highway Safety Targets

- Draft targets presented November 2020
- Final targets anticipated December 2020

Transit Asset Management

- Deliver Regional PBPP Transit Asset Targets
- Data compilation began in November 2019
- Completion anticipated February 2020

Develop Regional Safety Study Final Report

- Estimated completion November 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

Bicycle and Pedestrian Plan

- Staff continued compiling geospatial and other project data for the project database (a major basis for the plan update), submitted by TPB member jurisdictions based on their plans. National Capital Trail Network data was also in the process of being incorporated into the database. Bulk import of data concluded this month; henceforth, information will be input by jurisdictions individually through an on-line data portal.
- Completion of the plan update is anticipated for mid-FY 2021.

National Capital Regional Trail

- The final National Capital Trail Network map was adopted by the TPB on July 22, 2020. Follow-on actions continued, toward annual updates.

Metropolitan Washington Regional Intelligent Transportation Systems Architecture (MWRITSA)

- The most recent MWRITSA full update was posted on the TPB website in July 2019. No recent adjustments or updates have been requested by member agencies.

Coordination Human Services Transportation Plan

- The current Coordinated Plan was adopted by the TPB in December 2018
- TPB approved the projects recommended for funding in January 2020.
- 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)

- Approved March 18, 2020

Visualize 2045

- 2020 Amendment approved 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

September 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	1,085,010.00	237,887.36	97,982.48	22%
SUBTOTAL	1,085,010.00	237,887.36	97,982.48	22%
2. Transportation Improvement Program				
Transportation Improvement Program	268,483.00	53,087.96	18,608.63	20%
TIP Database Support	170,000.00	0.00	0.00	0%
SUBTOTAL	438,483.00	53,087.96	18,608.63	12%
3. Planning Elements				
Congestion Management Process	604,501.00	86,677.37	34,334.72	14%
Systems Performance, Ops & Tech Planning	806,686.00	114,892.93	46,391.86	14%
Transportation Emergency Preparedness Planning	124,046.00	19,337.02	4,765.67	16%
Transportation Safety Planning	258,367.00	41,282.74	14,047.48	16%
Bicycle & Pedestrian Planning	151,252.00	39,574.74	14,588.80	26%
Regional Public Transportation Planning	368,910.00	54,738.29	16,336.61	15%
Freight Planning	190,466.00	36,141.85	12,957.38	19%
Metropolitan Area Transportation Operation Coord Program Planning	168,289.00	27,992.82	7,850.50	17%
Performance-Based Planning & Programming	280,399.00	57,895.38	24,241.02	21%
SUBTOTAL	2,952,916.00	478,533.13	175,514.03	16%
4. Public Participation				
Public Participation	1,018,896.00	219,917.90	78,630.69	22%
SUBTOTAL	1,018,896.00	219,917.90	78,630.69	22%
5. Travel Forecasting				
Software Support	198,271.00	30,366.34	11,663.47	15%
Network Development	999,084.00	220,781.99	78,683.54	22%
Model Development	2,649,137.00	327,354.07	124,673.98	12%
SUBTOTAL	3,846,492.00	578,502.40	215,020.99	15%
6. Mobile Emissions Planning				
Air Quality Conformity	849,138.00	206,771.87	84,143.04	24%
Mobile Emissions Analysis	986,454.00	188,939.65	70,110.25	19%
SUBTOTAL	1,835,592.00	395,711.52	154,253.29	22%
7. Travel Monitoring and Data Programs				
Regional Travel Survey	354,495.00	95,940.05	32,653.37	27%
Traffic Analysis & Research	866,343.00	77,824.06	28,107.09	9%
Regional Transportation Data Clearinghouse	326,086.00	128,040.50	41,415.75	39%
GIS Analysis	617,470.00	202,163.34	38,247.92	33%
SUBTOTAL	2,164,394.00	503,967.94	140,424.13	23%
8. Planning Scenarios and Socioeconomic Forecasting				
Socioeconomic Forecasting	1,032,477.00	218,444.81	94,175.83	21%
Scenario Planning	498,466.00	25,478.24	2,888.92	5%
SUBTOTAL	1,530,943.00	243,923.05	97,064.75	16%
9. Mobility and Enhancement Programs				
Transportation and Land Use Connections Program	353,274.00	43,445.07	14,340.89	12%
Enhanced Mobility Grant Program	37,693.00	18,743.26	6,940.29	50%
Transportation Alternatives Set-Aside Programs	233,483.00	7,395.15	2,433.45	3%
SUBTOTAL	624,450.00	69,583.48	23,714.63	11%
10. TPB Support and Management				
TPB Support and Management	858,369.00	134,942.38	46,430.52	16%
SUBTOTAL	858,369.00	134,942.38	46,430.52	16%
SUBTOTAL CORE PROGRAM ITEMS 1-10	16,355,545.00	2,916,057.12	1,047,644.13	18%
TECHNICAL ASSISTANCE				
District of Columbia Technical Assistance	294,366.00	24,894.42	9,890.24	8%
Maryland Technical Assistance	807,806.00	877.29	815.40	0%
Virginia Technical Assistance	578,978.00	13,579.07	1,783.69	2%
WMATA Technical Assistance	373,857.00	990.22	185.65	0%
Technical Assistance Program Total	2,055,007.00	40,341.01	12,674.97	2%
TPB GRAND TOTAL	18,410,552.00	2,956,398.13	1,060,319.10	16%

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

September 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	433.01	870.95	37.71	9,129.05	395.30
Traffic Counts & HPMS Support	245,000.00	24,461.41	21,338.26	2,130.47	223,661.74	22,330.95
SUBTOTAL	294,366.00	24,894.42	25,637.79	2,168.18	268,728.21	22,726.25
B. Maryland Technical Assistance						
Program Development & Misc	15,000.00	877.29	1,306.42	76.41	13,693.58	800.88
Planning Studies	100,000.00	0.00	8,709.50	0.00	91,290.50	0.00
Feasibility/Special Studies	50,001.00	0.00	4,354.83	0.00	45,646.17	0.00
Transportation Performance Measures	50,001.00	0.00	4,354.83	0.00	45,646.17	0.00
Training, Misc and Tech Support	100,000.00	0.00	8,709.50	0.00	91,290.50	0.00
Transportation/Land Use Connection Program	260,000.00	0.00	22,644.69	0.00	237,355.31	0.00
Other Tasks	232,804.00	0.00	20,276.05	0.00	212,527.95	0.00
SUBTOTAL	807,806.00	877.29	70,355.83	76.41	737,450.17	800.88
C. Virginia Technical Assistance						
Program Development & Misc.	15,000.00	815.40	1,306.42	71.02	13,693.58	744.38
Travel Monitoring	190,001.00	346.76	16,548.13	30.20	173,452.87	316.56
Travel Demand Modeling	100,000.00	11,067.80	8,709.50	963.95	91,290.50	10,103.85
Sub-regional Planning Studies	62,000.00	1,349.11	5,399.89	117.50	56,600.11	1,231.61
Other Tasks	51,977.00	0.00	4,526.93	0.00	47,450.07	0.00
Transportation Land Use Connections	160,000.00	0.00	13,935.19	0.00	146,064.81	0.00
SUBTOTAL	578,978.00	13,579.07	50,426.06	1,182.67	528,551.94	12,396.40
D. WMATA Technical Assistance						
Program Development & Misc	5,001.00	990.22	5,001.00	990.22	0.00	0.00
Other Tasks	191,130.00	0.00	191,130.00	0.00	0.00	0.00
Other Tasks D.3	177,726.00	0.00	177,726.00	0.00	0.00	0.00
SUBTOTAL	373,857.00	990.22	373,857.00	990.22	0.00	0.00
GRAND TOTAL	2,055,007.00	40,341.01	520,276.68	4,417.48	1,534,730.32	35,923.53