

FY 2021



National Capital Region
Transportation Planning Board

Work Program Progress Report

July and August 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 July and August. 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	\$139,904	13%	31

1. LONG-RANGE TRANSPORTATION PLANNING

1.1 Long-Range Transportation Plan

Staff selected and hired new staff to fill DTP position 2006, which will support the LRTP team. Staff also developed a virtual onboarding plan, due to COVID-19, for the new staff person that filled position 2002 and began onboarding and integrating the new staff into the long-range planning team and the team projects.

Given COVID-19 implications, staff that manages long-range 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. LRTP staff coordinated with public participation staff to complete the development of questions and approach for a statistically significant survey that will support the LRTP and other regional transportation planning efforts.

Building on the approved schedule and scope, staff continued refining the detailed schedule and workplan. Staff met with each subtask owner and others who contribute to each subtask to identify opportunities to improve efficiency, improve access, 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 CY 2022.

Staff continued discussing the plan outline and coordinating with team members on how to tailor products to ensure that TPB tropical planning efforts are integrated with the plan development.

Staff completed with consultant support a new cover and plan template, updated branding, and a high-level schedule graphic that is being shared to communicate about the LRTP update. Staff continues coordinating with the COG and TPB communications teams to update the website that will include integration of the new design features where feasible.

Staff continued coordinating with other DTP staff to conceptualize and advance planning activities that will inform the next range plan. Staff completed the production of a CAV white paper and continues to plan and conduct a CAV webinar series.

Staff began using the results of the LRTP issue SWOT/Blueprint (supported by a consultant team) and discussed the activities that TPB could consider undertaking to enhance its planning for these areas. Staff implemented a next step, to issue a new task order that will document regional climate resiliency planning and identify regional strategies for resiliency.

To increase the robustness of TPBs evaluation of federal performance factors and reviewed and refined the preliminary list of measures for consideration 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. Resiliency was identified as one of those issues for enhancement and staff began developing an approach to further address the topic and enhance its responsiveness to federal requirements.

Staff continued a project to develop infographics and brief videos to communicate about the TPB, Visualize 2045, system performance and the Aspirational Initiatives.

Staff continued coordinating with the public involvement team and is undertaking the next steps to implement an outreach approach for the next plan that will address COVID-19 transportation impacts, Aspirational Initiatives and future factors. Staff continues to consider LRTP communications approaches for activities to be undertaken in 2020, to consider potential ways to

engage people that would be consistent with social distancing, should this be a requirement over the coming year.

Staff discussed, during a UPWP planning meeting, that the site visits recommendation summary should be considered when developing activities that implement the FY 2021 UPWP.

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

- Improve walk and bike access to transit – Staff have been communicating about a network analysis to identify walksheds around high-capacity transit stations. Staff have shared with various committees the online walkshed analysis tool that can be used by anyone in the region. Staff finalized recommendations and in July requested that the board approve the final Transit Access Focus Areas. The board approved the TAFE during the July 2020 meeting.
- Complete the National Capital Trail Network – Staff briefed the board on the revised National Capital Trail Network at the June 17, 2020 meeting and staff requested and received approval in July.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	\$438,483	\$34,479	8%	33

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1 Transportation Improvement Program (TIP)

At its meeting on July 10, 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 (VDOT) to include state funding for the VRE Track Lease Improvements program. The second amendment was requested by the District Department of Transportation (DDOT) to include funding for the Construction of Fiber communication Network on Freeways and the I-395 Sign Structure Improvements projects.

TPB staff worked with staff from DDOT to prepare an amendment to the FY 2021-2024 TIP to update project and funding information for the full four-year period of the program. This amendment decreased funding programmed in the TIP by approximately \$200 million from \$1.87 to \$1.67 billion. This was the first amendment to be produced using the new Project InfoTrak system, providing greater detail to changes in funding amounts and sources at the project level. This amendment also was the first to benefit from a new functionality that allows agency staff to provide funding data in a table format that can be imported into the system, saving users significant time and resources and minimizing chances of error usually associated with manually entering the data. The amendment was released for public comment on July 16.

TPB staff developed a schedule for submitting amendments and modifications to the FY 2021-2024 TIP in the Project InfoTrak system.

TPB staff processed administrative modifications for 13 projects as requested by DDOT, MDOT, and VDOT.

2.2 TIP Database support

The consultant team developed a tool to export data for inputs to air quality conformity analysis and modified the TIP report for preliminary use. The consultant developed a financial data import, allowing users to provide updates to TIP funding altogether, rather than manually, record by record. This was implemented in time for DDOT's use for its TIP amendment but will remain available for all agencies to use in the future. The consultant worked with TPB staff and DOT representatives to continue the exercise of validating project data for the FY 2021-2024 adoption. 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.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$2,952,916	\$303,019	10%	35

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff coordinated with state DOTs on the Washington UZA and TMA performance measures and targets, and drafted input for the FHWA Mid-Period Performance Report. Staff coordinated with the Providers of Public Transportation on the initial round of Transit Safety targets, collecting the first round of targets from providers and publishing a draft regional set of Transit Safety targets with presentation and memo.

Staff attended a FHWA/FTA Peer Exchange on PBPP among multi-state MPOs. Staff discussed preliminary content and work items regarding PBPP for the 2022 version of the Visualize 2045 long range transportation plan.

3.2 Congestion Management Process

The 2020 Congestion Management Process (CMP) Technical Report, completed in draft form in June 2020, was accepted as final by the TPB Technical Committee at its July 10, 2020 meeting. The next CMP Technical Report is scheduled to be published in FY 2022.

Staff compiled information on impacts of the COVID-19 pandemic on roadway traffic, transit ridership, and other aspects of transportation. A summary memorandum was developed for inclusion in the September 4 TPB Technical Committee meeting read-ahead package.

CMP data compilation and analysis were undertaken toward future editions of the National Capital Region Congestion Report quarterly website "dashboard".

3.3 Systems Performance, Operations, and Technology Planning

The virtual August 6 Systems Performance, Operations, and Technology Subcommittee (SPOTS) was organized and conducted, discussing a DDOT data analysis of travel trends since the COVID-19 pandemic; the 2020 CMP Technical Report; and draft traffic signal survey findings.

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

3.4 Transportation Emergency Preparedness Planning

The virtual July 8 meeting of the Transportation Emergency Preparedness Committee (R-ESF 1) was organized and conducted, to discuss current regional transportation emergency preparedness issues. Information was shared with the Committee regarding Metropolitan Area Transportation Operations Coalition (MATOC) and transportation agency response actions due to COVID-19.

3.5 Transportation Safety Planning

On July 10 staff presented the status of final four-part roadway safety resolution language to the Technical Committee.

On July 16 staff reviewed with the Citizens Advisory Committee (CAC) the roadway safety resolution to be considered by the TPB and highlighted the elements that the CAC had advocated for.

At the July 22 the Transportation Planning Board adopted the roadway safety resolution to reduce fatalities and serious injuries in the region.

The regularly scheduled virtual August 11 meeting of the Transportation Safety Subcommittee was organized and conducted. The agenda included a review of the regional roadway safety resolution adopted by the TPB and a roundtable discussion of the types of projects member jurisdictions would like to see included in the regional safety program.

Staff prepared initial concepts for establishing the recently approved regional safety program, for an upcoming presentation to the September 1 State Technical Working Group.

For the Analysis of Regional Roadway Safety Outcomes study, consultant staff continued to update network screening maps and tables and provided an initial draft of the safety study final report.

3.6 Bicycle and Pedestrian Planning

The virtual July 21 meeting of the Bicycle and Pedestrian Subcommittee was organized and conducted. The subcommittee discussed the final National Capital Trail Map and proposed next steps; Transit Access Focus Areas; and the regional Safety Recommendations; all of which were under consideration for adoption by the TPB at its July 22 TPB meeting. The subcommittee also discussed the progress of the data gathering effort for the regional Bicycle and Pedestrian Plan, the COVID-related Street Smart ad campaign, and proposals for workshops on dockless e-scooters and Vision Zero arterial design.

At the July 22 TPB meeting, staff presented the final National Capital Trail Network map. TPB then approved Resolution R5-2021, adopting the National Capital Trail Network, and directed staff to give additional consideration to projects that will implement portions of the network for Transportation Alternatives and Transportation-Land Use Connections funding, report on progress towards implementation of the network on an annual basis, and work with the TPB member jurisdictions to update the network, to reflect anticipated new agency bicycle and pedestrian plans, on an annual basis.

3.7 Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met on July 28, remotely. The agenda focus on a regional roundtable on electric bus operations and planning in the region, with speakers from Frederick County Transit, Montgomery County Ride On, Prince George's County TheBus, DC Circulator and WMATA Metrobus. In addition, updates were provided by TPB staff on the regional information gathered regarding transit operations and covid-19.

TPB staff worked on the 2019 State of Public Transportation report and gave a presentation of highlights of the report to the TPB Technical Committee in July. Staff developed and distributed a questionnaire on transit service during and recovery from the pandemic and then collected and drafted a synthesis of results in cooperation with the MATOC Transit Task Force. On-call consultants worked on the TIGER Bus Priority Meta Study Task Order, providing draft materials for review and then final deliverables. Staff discussed preliminary content and work items regarding PBPP 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 WMATA Blue Orange Silver Lines study meeting and the kick-off of the I-495 American Legion Bridge Transit/Transportation Demand Management Study Stakeholders group.

3.8 Freight Planning

Staff coordinated with the Freight Subcommittee Chair on possible agenda items for FY 2021 subcommittee meetings and curbside management forums.

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 July and August 2020 to discuss MATOC/transportation agency operational impacts of COVID-19, including:

- MATOC Transit Task Force, July 1, July 22, and August 5
- MATOC Operations Subcommittee, July 2 and 23

The virtual July 23 meeting of the MATOC Information Systems Subcommittee was organized and conducted by conference call, discussing information technology and communications support aspects of MATOC operations and related data exchange.

The regularly scheduled virtual August 14 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	\$141,287	14%	41

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

Staff got to work in developing content and a methodology for a region-wide public opinion survey on transportation that will be conducted this fall. The survey will examine broad challenges and opportunities related to regional transportation. It will be statically 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 has been secured to assist with the survey's design, implementation, and analysis.

Staff finalized the draft content for an update of the TPB's Public Participation plan. 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 with the TPB's work. The draft plan was released for a 45-day public comment period on August 25. The TPB is scheduled to approve the plan at its meeting October 21.

Staff also began planning for qualitative research that will complement the survey. These activities are expected to feature 8-10 focus groups, which will be held between November 2020 and January 2021.

The 2020 Citizens Advisory Committee (CAC) met for an online meeting on Thursday, July 11. At the meeting, the committee discussed two items on the TPB agenda: Safety Recommendations and the National Capital Trail Network. The committee also provided feedback on Visualize 2045.

4.2 Communications

The TPB News, the TPB's News, the TPB's online blog, and COG News releases:

TPB Staff Identify 49 Places to Improve access to Transit
July 14, 2020

TPB Adopts Regionwide Safety policy, call for Equity-focused Actions
July 23, 2020

Equity and Safety headline an action-packed TPB Meeting
July 28, 2020

These Bike and Pedestrian Projects in MD will further regional Safety Goals
July 28, 2020

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	\$3,846,492	\$363,481	9%	43

5. TRAVEL FORECASTING

5.1 Network Development

Network staff completed the first round of reviews of the air quality conformity projects exported from the Project InfoTrak (PIT) database to ensure that the exported information matches the information in the air quality conformity inputs table from the 2020 Amendment to Visualize 2045. Staff provided feedback to the consultant working with the PIT to update some features in the export function of the database.

Staff produced year-2018 highway and transit network files, in Public Transport (PT) format, which will be the base year for development of the Gen3 Travel Model. These networks were transmitted to the consultant (RSG). Prior to transmittal, staff performed a series of quality control/quality assurance (QC/QA) checks on them. Staff developed two technical memoranda that document this PT network development exercise and the QC/QA procedures, respectively.

Staff completed a memo of detailed transit coding assumptions to share with the TPB Technical Committee as part of the solicitation for project inputs for the 2022 Amendment to Visualize 2045. The memo shares current transit coding assumptions from the 2020 Amendment to Visualize 2045 and asks the implementing agencies to provide updates for the upcoming air quality conformity analysis.

Staff reviewed I-95 main and express lanes ramps to assure consistency between what is currently on the ground with the modeled highway network.

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

Staff completed a review of current transit parking costs in preparation for an update to the travel demand model inputs (the station file) for the next air quality conformity cycle.

Staff explored the possibility of developing a unified geodatabase system that supports transportation networks in both Cube TRNBUILD and Cube Public Transport (PT) formats. Staff examined the differences between PT and TRNBUILD networks and documented initial findings and considerations in a technical memo. Staff also started working on developing a prototype of the unified network database, which is expected to be completed by the end of September.

5.2 Model Development, and Support

The Travel Forecasting Subcommittee (TFS) meets in odd-numbered months. At the July 17 meeting, the following topics were discussed:

- TBEST: A Transit Service Planning Solution, Demonstration of Modeling Applications in Northern Virginia
- Investigation of Cube Voyager Public Transport (PT) transit modeling software with the TPB's Gen2/Ver. 2.3 Travel Model
- COG/TPB Gen3 Travel Model
 - Gen3 Model Design Plan report
 - Task Order 3: Development of Gen3 Model, Phase 1
 - Re-weighting of the 2017-18 COG Regional Travel Survey (RTS)

Staff also began developing the draft meeting highlights.

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

See data requests, below.

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

In preparation for developing a Version 2.4 Travel Model transmittal package, staff set up and executed all the model runs using the Ver. 2.4 Travel Model, including the updated toll setting processes. Staff generated comprehensive model summaries for the base-year (2019) and horizon-year (2045) model runs to evaluate the reasonableness of the Ver. 2.4 Model outputs and their consistency with the Ver. 2.3.75 and Ver. 2.3.78 modeling results. Staff also generated and evaluated standard summaries for all the intermediate model years.

Staff continued the investigation of Cube Public Transport (PT) in the Gen2/Ver. 2.3.85 Model. Specifically, staff investigated PT fare system specifications for this region. Based on a review of transit providers and their fare structures in this region, staff proposed fare specifications in PT, implemented and tested them in a 2018 model run, and conducted QC/QA checks based on the model outputs. Staff documented this work in a series of technical memoranda. While this work was conducted in the Ver. 2.3 Model, it is expected to provide a basis for the future fare modeling in the Gen3 Model.

Per request from Bentley Citilabs, staff transmitted the PT and TRNBUILD versions of the TPB Ver. 2.3.85 Model to Bentley.

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:

- Staff held four regular check-in meetings with RSG and BMG, the consultants on the Gen3 Model development project (July 2, July 16, August 6, and August 20).
- Staff met with RSG staff on August 12 to discuss the RSG memo on the reweighting of the RTS data. Staff documented meeting notes and action items in a memo.
- Staff provided review on a draft memo from RSG that outlines Gen3 Model data needs. Staff started to collect and process some data items listed in the memo.
- Staff provided review on a draft memo from RSG on the proposed PopulationSim specification.

- Staff conducted reasonableness checks on the 2017/2018 RTS interim data sets, documented preliminary findings and shared them with DTP's Planning Data and Research staff.
- Staff finished collecting transit on-board survey data sets from transit agencies and transmitted the collected data sets to RSG.
- Staff tested the SEMCOG developmental version of ActivitySim with a focus on RAM utilization and runtime, following suggestions from RSG.

Other activities

Staff serviced nine data requests: Two requests were from state DOTs; two requests were from local agencies; three requests were from consultants; and two requests were academics. The requested data include: Ver. 2.3.78 Travel Model, loaded-links highway network files in CUBE file format from previous Version 2.3 Travel Models, Select-Link Analysis (SLA) programs, bus schedule data for the metropolitan Washington region, and I-270 and I-495 model estimated volumes for six locations (this request was from two Maryland State Delegates).

COG and Portland Metro staff held a teleconference, on July 7, regarding Portland Metro's use of Replica, a synthetically generated representation of the activities and movement of residents, visitors and commercial vehicles. Replica and COG staff held a teleconference on July 8. COG staff reviewed Replica's methodology. Staff also conducted a literature review on related modeling work.

Staff held a teleconference with senior management on August 13 to discuss a University of Maryland study of the COVID-19 impact on travel demand and congestion, which was to be presented to the Maryland House of Delegates later that day.

COG staff held a teleconference with VRE and MTA representatives on August 19 to discuss the pros and cons of using the FTA's STOPS (Simplified Trips-on-Project Software) for the next step for the MARC-VRE Run-Through Service study.

Staff served on the TPB Performance Measures Task Force.

Staff continued efforts to recruit a Transportation Engineer, including conducting interviews.

Staff conducted some testing on an Amazon cloud server set up by COG's IT Department and shared the findings with IT. Staff conducted research and proposed five servers to IT for travel demand modeling. Staff developed a spreadsheet and requested IT to fill basic specifications of the cloud/virtual servers in the spreadsheet.

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Task 6	Budget	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,835,592	\$241,458	13%	45

6. MOBILE EMISSIONS PLANNING

6.1 Air Quality Conformity

Staff conducted a sensitivity test for 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 (documented in greater detail under "Technical Assistance," "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 (LRTP), including the air quality conformity analysis, system performance, and environmental justice analysis. Staff continued to participate in the TPB Performance Analysis Advisory Group and Scenario Planning Project Oversight Committee, attend scheduled meetings, review documents produced by the project consultants, and provide feedback.

In preparation for future air quality conformity work, staff finalized the model testing designed to assess whether any adjustments to the existing toll-setting process would be needed. The final recommendations, including the necessary recommendations, were implemented in the Version 2.4 Travel Demand Model. The documentation of the new process is being developed.

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

Staff continued to coordinate with state departments of transportation (DOTs) on Congestion Mitigation Air Quality (CMAQ) mid-period Performance Based Planning and Programming (PBPP) reporting requirements. Staff attended a Congestion Mitigation Air Quality (CMAQ) Improvement Program Cost Effectiveness webinar.

6.2 Mobile Emissions Analysis

DTP staff continued working closely with COG's Department of Environmental Programs (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. Metropolitan Washington Air Quality Committee's Technical Advisory Committee (MWAQC-TAC) was briefed on this topic at its July meeting (item #5).

DEP staff provided an ozone season summary to MWAQC-TAC (item #2) and impacts of COVID-19 restrictions on traffic and air quality. As a follow-up to this item, DTP staff provided DEP staff and MWAQC-TAC with a summary of ozone-season criteria pollutant emissions by vehicle type based on the MOVES model output.

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 July Climate Energy and Environment Policy Committee (CEEPC) meeting, at which the attendees were briefed on the 2030 Regional Climate Planning Goals (item #4).

DTP staff provided DEP staff with answers to the questions pertaining to the transportation-sector GHG emissions posed at the July 8 Business-as-Usual and Scenario Technical Webinar.

To facilitate the climate change planning activities conducted by individual jurisdictions, DTP and DEP staff conducted a call with the Fairfax County staff and project consultants. DTP staff provided feedback on draft Fairfax County Climate Plan goals for the transportation sector.

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 began preparing materials and logistics for the 2020 TPB Work Session on Climate Change Planning in the National Capital Region, which will include briefings on the 2030 Climate Action Plan and TCI.

In response to a request by the Federal Highway Administration’s (FHWA’s) Volpe Center staff, DTP staff began conducting 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	\$363,543	17%	47

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Regional Travel Survey

For the July and August reporting period, the key tasks were focused on data processing, tabulating conducting data validation checks on the trip files in the 2017/2018 COG/TPB Regional Travel Survey (RTS).

- COG/TPB staff provided the updated RTS trip files to RSG, the contractor for the Gen3 Model, to set up the reweighting procedure using Population Sim.
- COG/TPB staff provided the RTS household, person, and trip files for the Arlington County oversample to Arlington County staff.
- COG/TPB staff provided an update on the RTS to the Planning Directors Technical Advisory Committee on July 17.
- COG/TPB staff provided the updated RTS trip files to the Baltimore Metropolitan Council (BMC) for the three overlapping BMC counties (Anne Arundel, Carroll, and Howard Counties) to combine with the Maryland Travel Survey dataset.
- COG/TPB staff the trips files on July 31.
- COG/TPB staff conducted 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.

- COG/TPB staff conducted validation checks of the RTS household, person, and trip files.
- COG/TPB staff reviewed the household, person, and trip files from the Maryland Travel Survey for the three overlapping BMC counties (Anne Arundel, Carroll, and Howard Counties) to be combined with the RTS dataset.
- COG/TPB staff met with the Gen3 Model Development Team on August 12 to discuss a memorandum from RSG describing the reweighting of the RTS data files.

Staff also developed a proposal for a COVID-19 travel behavior survey literature review.

7.2 Traffic Analysis Studies, and Research

Staff continued to evaluate the traffic volume patterns during COVID. The analysis, which used data from continuous count stations throughout the COG modeled region, was expanded to compare regional travel for each month from January through July of 2020 with the equivalent month of 2019. This analysis was used as an input to the memorandum on the Transportation Impacts of the Covid-19 Pandemic in the National Capital Region to be presented at the September TPB Technical Committee meeting.

Staff supported an internal discussion about a request for a special tabulation of equity emphasis areas in Virginia to support an event in October.

Staff assisted the Plan Development and Coordination team by:

- Sharing a spreadsheet with land area by traffic analysis zone in the TPB modeling area
- Providing input and feedback on potential data available for TPB Infographics.

Staff assisted COG Community Planning staff with a request from Prince George's County for regional vehicle miles traveled data.

Staff assisted District Office of Planning with an inquiry about a potential fast ferry study.

Staff participated in a few discussions with Arlington County staff about bike and pedestrian sensor resource constraints.

Staff was contacted by the U.S. Consumer Product Safety Commission (CPSC) about a forum on Micromobility. Upon request, staff distributed a request for abstracts from local and regional government to internal and external stakeholders.

Staff participated in the following meetings and forums:

- Gen3 Model Check-in meetings
- TPB Travel Forecasting Subcommittee meeting
- TPB Regional Public Transportation Subcommittee
- FHWA Data Business Planning National Workshop
- Dockless E-Scooter Workshop

Big Data in Regional Travel and Mobility Analyses

The final report was received and distributed to the TPB Team Leaders.

Staff is developing 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

Staff participated in the Talking Traffic FHWA webinar on July 14.

Staff received a file of the Virginia Bicycle Facilities inventory from the Virginia Department of Transportation (VDOT) bike planning staff.

Staff responded to an inquiry from Smart City Media regarding the Equity Emphasis Areas (EEA) layer in the RTDC.

Staff responded to a request from a Georgetown University student looking for regional datasets to use for a group project.

Staff responded to a request from a citizen regarding the availability of AADT Model Forecasts and Level of Service Forecasts for several Maryland roadways.

Staff responded to an inquiry from Models Development staff regarding the availability of daily and hourly traffic counts for 2018.

Staff requested and received historical hourly non-motorized counts at all locations from Arlington County staff. COG/TPB staff began the process of importing those data into SAS so that they can be checked and analyzed, this process is ongoing.

Staff provided 2019 peak hour traffic at six continuous count stations along I-270 and I-495 in Maryland to the Director of Transportation Planning to be used to better understand the proportion of regional Maryland peak period traffic that interstates represent.

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

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

Staff reviewed and provided comments on the final Long-Range Plan Performance Analysis Evaluation.

Staff responded to a request from the Department of Environmental Programs (DEP) regarding the Electric Vehicle (EV) charging stations dataset.

Staff performed IT troubleshooting to detect and correct issues with RTDC (and other online content) availability. Most service disruptions were due to COG-wide incidents where the network was unavailable.

Staff reviewed the ArcGIS Online RTDC content and made any necessary adjustments to ensure compliance with Esri's guidelines for URLs.

7.4 GIS Data, and Analysis

Staff attended the June meeting of the Maryland State Geographic Information Committee held on July 10.

Staff attended (remotely) the Esri International User Conference the week of July 13-17.

Staff attended (remotely) the Towson University GIS Conference (tuGIS) the week of August 10-13.

Staff attended (remotely) the Safe Walking Summit hosted by the Northern Virginia Regional Commission (NVRC) on August 19.

Staff planned and participated in the GIS Committee/GDX Working Group virtual meeting on July 21. Highlights of the meeting included: status reports on the NCR-GDX and NextGen911, and a discussion of the Food Availability Data Mapping Initiative.

Staff attended The Chief Information Officers (CIO) virtual meetings on July 13 and July 27. These meetings were mainly focused on jurisdictional COVID-19 response and recovery efforts. In addition, staff attended the CAD2GIS Working Group meeting on July 17 and the NextGen911 Webinar on July 22.

Staff developed the final draft version of the National Capital Trail Network and updated the web mapping application. The draft network was presented to and approved by TPB at its July meeting held on July 22.

Staff continued to work with fellow DTP staff on the Transit Access Focus Areas (TAFE) project. Staff refined the TAFE map and provided statistics on the population and employment in the TAFE station areas. The information was used in a presentation at the July 22 TPB meeting, where the list of priority TAFE was approved.

Staff prepared additional statistical analysis that summarizes the total population and jobs in the TAFE station access areas and the National Capital Trail Network (NCTN) to be used in the COG Board presentation given by DTP's Director. Staff also prepared a table of High Capacity Transit (HCT) stations by mode and jurisdiction for the same presentation.

Staff responded to a request from the Office of Communication to provide code to WAMU that enables the NCTN map to be embedded in a website.

Staff responded to a request from the Office of Communication to provide graphics of the NCTN to the Washington Post. Staff also reviewed and responded to a reporter's questions regarding the NCTN.

Staff responded to a request from the Washington Metropolitan Area Transit Authority (WMATA) regarding the availability of spatial data for transportation analysis zones (TAZ) with demographic data in High Capacity Transit (HCT) station areas.

Staff provided a PDF map of the TPB Planning Area (that shows jurisdictions) to the Planning Data and Research director.

Staff participate in the regularly scheduled MWCOG Gen3 Model check-in meetings held throughout July and August. Staff provided feedback on the document "MWCOG Gen3 Model Data Items" prepared by the consultant.

Staff continued to support the efforts of bicycle and pedestrian planner to obtain data for the regional bicycle and pedestrian plan. This effort is ongoing.

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

Staff participated in a meeting with fellow DTP Staff and staff from the Department of Community Planning and Services (DPCS) regarding the allocation of transportation analysis zones (TAZ) associated with High Capacity Transit (HCT) station areas This work is ongoing.

Staff continued to participate in the bi-weekly conference calls with TPB's TIP database contractor and fellow DTP staff as needed to continue to work toward inputting bicycle and pedestrian project information into the database.

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 began organizing media (maps graphics, tables, etc.) created for various TPB programs and projects into a single place on the G drive that will serve as a department-wide repository for sch items. This work is ongoing.

Staff added the Equity Emphasis Areas (EEA) layers and associated files to the G drive to make the data more accessible to fellow TPB/COG staff.

Staff coordinated with staff from the Office of Information Technology and Facilities Management (ITFM) to install ArcGIS Pro software on user machines. Staff then followed up to ensure the software was accessible and configured correctly.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING	\$1,530,943	\$146,858	10%	51

8. SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING

8.1 Scenario Planning

The consultant and staff participated in project management team meetings in July and August.

Staff coordinated internally to schedule and convene the second meeting with the Oversight Committee meeting.

The consultant prepared an outline and then draft memo with an overview of scenario planning.

The consultant used input from the Oversight Committee to draft an organizational definition of scenario planning.

The Project Advisor and Project Manager reviewed, provided input on, and approved the material to be shared in advance of the second meeting with the Oversight Committee.

Staff reviewed, approved, and processed the third (June 2020) and fourth (July 2020) invoices for this project.

8.2 Socioeconomic Forecasting

During July and August, DPCS staff worked to support Socioeconomic Forecasting by planning for updates to Round 9.1 Cooperative Forecasts (9.2); performing ongoing analysis of the effects of COVID-19 on the region’s economy; and supporting the COG Board / TPB “Transit-Oriented Communities” initiative.

To support economic analysis and develop base-year employment estimates, which are critical components to the land use forecasts used in the regional model, DCPS staff also purchased the March 2020 InfoUSA employment database. As part of the purchase, DPCS staff will also be receiving the September 2020 InfoUSA data later this year. DCPS staff will geocode and develop analyses of both files later this year.

Using a broad range of regional and jurisdictional employment and unemployment data, COG DCPS staff developed a Region Forward blog post for the COG website entitled, “Data shows how region is weathering COVID-19 economic downturn.” The blog post and subsequent REMS reports show the immediacy of the employment and unemployment effects in early April, as well as the ongoing, mild recovery to the region’s labor market, and the residential pattern for workers most-susceptible to COVID-related economic shutdowns.

At its July meeting, the Cooperative Forecasting and Data Subcommittee was briefed on COG’s annual Point-in-Time Count of the Homeless Population. In addition, to develop better base year population and housing estimates for Forecasting, the Subcommittee was briefed on an Update on the Census Bureau’s Differential Privacy and Overall Privacy of Decennial Census Data by U.S. Census Bureau staff. Members were also received a Training on COVID-19 Demographic and Economic Resources Using Census Data. Members discussed their current plans to update their Round 9.1 Cooperative Forecasts and responded to the transmittal schedule. These discussions on important regional demographic topics inform local government planning staff in making assumptions for growth and development in the Cooperative Forecasting program.

At its July meeting, the Planning Directors Technical Advisory Committee was briefed on COG Board Resolutions on COVID-related federal housing funds, and on establishing racial equity as a fundamental value. Members also discussed their local progress on addressing the COG Board

Housing Initiative production targets and participated in roundtable discussion about techniques for providing services during the COVID-19 shutdown. Members were also briefed on the COG/TPB “Transit-Oriented Communities” and on the demographic findings from the TPB Regional Travel Survey. Finally, to assist with small-area economic analysis for employment forecasting, COG staff presented findings from the recently released Commercial Construction report.

Staff continued to support the COG Executive Director by participating in meetings for the Connected DMV COVID Economic Recovery Task Force and providing regional economics, land use and transportation planning expertise. Staff also coordinated between Connected DMV and internal COG subject matter experts.

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TPB staff participated in the following meetings and forums:

- Transit Oriented Communities internal meeting to consider how TAZ level can be aggregated or associated with the High-Capacity Transit Station Area
- Organization for Economic Co-operation and Development’s 2020 Economic Outlook Forum.

- Maryland Department of Planning and the Smart Growth Network’s
 - Just Suburbs: Creating Equitable Opportunities in Suburban Development
 - Pedaling Through Pandemic: How (E-) Cycling Can Keep Post-COVID Cities Moving
 - Missing Middle Housing: Thinking Big and Building Small to Respond to Today’s Housing Crisis
 - COVID-19 and the Future of Planning
- U.S. Census Bureau
 - Resources for Investors & Economic Development Organizations
 - Exploring Emerging Technologies

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILITY AND ENHANCEMENT PROGRAMS	\$624,450	\$45,868	7%	55

9. MOBILITY AND ENHANCEMENT PROGRAMS

9.1 Enhanced Mobility Grant Program

Staff held a virtual AFA committee meeting on July 7:

- COG staff explained how equity is a priority for the COG Board and is woven into COG’s Region Forward Initiative. As an example, COG staff discussed an active partnership with the Government Alliance on Race and Equity (GARE) to advance equity at the regional level was discussed. GARE cohorts, representing 11 jurisdictions and over 100 government staff, develop racial equity action plans to help normalize conversations about race and implement new policies and practices to advance racial equity in their jurisdictions.
- COG staff also shared that COG’s Health Officials Committee partnered with the Virginia Commonwealth University’s Center on Society and Health to issue the brief “Health Equity: How Opportunities for Health are Shaped by Race and Ethnicity. The study the brief is based on was a prior AFA agenda item
- A participant of Charles County Maryland’s GARE group shared information on their project to improve the County’s public transportation system, VanGo, to better support the needs of people of color.
- TPB staff briefed the committee on the findings of the Regional Roadway Safety Study, with a focus on pedestrians, and shared the draft recommendations for reducing fatalities and serious injuries on our roadways.
- Chair Kostiuk shared details of her participation in TPB’s Curbside Management Forum on June 22, where she spoke on curbside accessibility with Cesar Baretto, the ADA Coordinator for DDOT and shared related concerns expressed by AFA members.
- A Virginia Tech PhD student briefed the committee on her research project focusing on accessibility of ride-hailing companies (Uber/Lyft) in Washington, DC and requested assistance in locating wheelchair users in DC to participate in her survey. Chair Kostiuk invited her back to a future AFA meeting to share her findings.
- Staff began planning for the biennial committee refresh and rotation of the Access for All Advisory Committee Chair
- Chair Kostiuk, TPB Staff, and some AFA members attended the Dockless E-scooter and Bike Share Workshop on August 13.

9.2 Transportation Alternatives Set-Aside Program

The TPB on July 22 approved funding for projects in Maryland under the federal TA Set-Aside Program. The TPB is responsible for selecting projects on an annual basis in each of its state level jurisdictions using sub-allocated TA-Aside funds. MDOT received two eligible applications from Maryland jurisdictions in the National Capital Region.

9.3 Transportation Land-Use Connections Program

Staff conducted procurement activities for the new TLC projects that were approved in April. In June, staff requested proposals from a limited number of firms (3-6 for each project). The deadline for the proposals was July 20.

For each of the projects, staff identified a Technical Selection Committee (TSC), comprising a COG staff member and two staffers from the relevant jurisdiction. The TSC’s 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 percentages points, staff will convene a consensus panel to determine final winners. The selection of consultants for 14 of this year’s projects is expected to be completed in September.

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. The consultant for this project is expected to be finalized in October.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$858,369	\$88,511	10%	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
- COG Board Meeting
- Transportation Planning Board (TPB)
- MATOC Steering Committee
- TPB Citizens Advisory Committee (CAC)
- TPB Freight Subcommittees
- COG Planning Directors
- Bicycle and Pedestrian Subcommittee
- Access for All (AFA)
- TPB Citizens Advisory Committee

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 months of July and August 2020 include:

JULY:

- Road to Recovery / Density & Transportation During COVID-19
- IMG Rebel – Transit & COVID-19 Pandemic Tool
- COVID-19 Response & Regional Transportation Dashboard - COG/TPB
- CARES Act Funding for Vanpools
- MWCOC / GWP Reopening Survey Study (2)
- BOS Study External Stakeholders
- LGW's Thought Leadership – Session 1
- CEEPC
- Region Forward Coalition
- Md House of Delegates T&E Subcommittee Meeting Prep.

AUGUST:

- COG - CAO Meeting
- ULI Presentation to COG @ TAFE
- BRTB & TPB Chairs Conf. Call @ MD GA – T&E Subcommittee Meeting
- Washington Post Call

- COG Board of Directors Meeting (TAFA & NCTN)
- Md House of Delegates E&T Subcommittee Meeting (2)
- LGW's Thought Leadership Series - Session 2
- Racial Equity Discussion (Living Cities and Fairfax County)
- Leadership Peer Exchange
- TPB Climate Workshop Update
- COG/TPB Executive Committee Meeting
- AFA Chair Discussion

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	\$27,666	1%	59
District of Columbia	\$294,366	\$15,004	5%	59
Maryland	\$807,806	\$61	0%	61
Virginia	\$578,978	\$11,795	2%	63
WMATA	\$373,857	\$804	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 inquired with DDOT about the status of obtaining a purchase order for the transition from UPWP to DDOT State Planning and Research (SPR) funding.

In support of the DC Decongestion Pricing Study, staff worked with the project consultant on troubleshooting some of the previously transmitted data.

Upon request, staff provided guidance to DDOT staff on FTMS data analysis for submittal to FHWA.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

Staff worked with DDOT staff to plan and participate in the July 22 and August 26 HPMS Committee meetings. Staff updated the committee on the CY 2020 data from continuous count stations. In

addition, staff proposed that short-term counts be conducted at 37 locations counted in 2019 to help inform the 2020 factors. Staff prepared summaries of the meetings.

Based on a question that arose at the August HPMS Committee meeting, staff produced a table indicating the direction of traffic measured at all PCS by channel. Staff provided this table in addition to the schematics of each PCS (a pdf file delivered by the PCS contractor at the time of installation) to the HPMS Committee.

Staff identified potential locations for fall 2020 counts to help inform 2020 factors based on the availability of consistent counts over time, location, and functional classification and volume coverage. When these locations were approved by the HPMS Committee, staff assigned the counts to the contractor.

Staff summarized and analyzed the May, June, and July 2020 traffic data from PCS and FTMS stations and shared the summaries with DDOT staff for field inspection purposes. Staff reviewed the HPMS submittal observations from FHWA and provided a response to the traffic items.

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 obtained consent to proceed with bicycle, pedestrian, and scooter counts in the Fall. Staff worked with VDOT's District Park & Ride Lot and Bicycle/Pedestrian Coordinator to begin to plan for the FY 2021 non-motorized counts and to schedule the non-motorized counts that were postponed from the Spring of 2020.

Travel Demand Modeling

Air Quality Conformity (AQC) Sensitivity Test

Upon request from DDOT, staff worked to develop a cost estimate and proposal and then performed an air quality conformity (AQC) sensitivity test 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. As part of interagency consultation, staff presented the proposed sensitivity test to the MWAQC TAC at its July meeting, and will share the results of the analysis with MWAQC TAC, the TPB Technical Committee, and the TPB at their respective September meetings. The work included updating networks, running travel demand, and running an emissions analysis for a 2045 forecast year. The test showed that the proposed updates have a minor impact on regional emissions and would not change the results of the air quality conformity determination for the approved 2020 Amendment to Visualize 2045 Plan and FY 2021-2024 TIP. Staff drafted and sent a letter to VDOT in August to convey the results of the sensitivity test.

Sub-Regional Planning Study
Park and Ride Study

The consultant, VDOT, and COG/TPB participated in regular monthly check-in meetings as well as meetings to discuss the approach for specific tasks including the GIS tasks as well as the research summary and lot inventory summary for existing resources, studies, and capacities.

The consultant completed and prepared a memo summarizing the results of the Northern Virginia Regional Park and Ride Assessment Stakeholder survey. A final call for responses was made by VDOT staff before the survey was closed.

COG/TPB staff provided a link to the network-based walksheds for High Capacity Transit (HCT) stations and coordinated internally to:

- Encourage responses to the project's Northern Virginia Regional Park and Ride Assessment Stakeholder survey
- Obtain AGOL Username

Staff reviewed and approved the first invoice (May and June) for this project.

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.

Staff participated in a second meeting with WMATA, VRE, MARC to discuss a potential supplement to the VRE-MARC Run Through Service Market Assessment. Staff reached out to the Travel Forecasting and Emissions Analysis (TFEA) team to discuss tools that might help with questions coming out of the first study. Staff later arranged a meeting between TPB's TFEA team and WMATA, VRE, and MARC, to discuss the evolving research questions and potential tools.

CONTINUOUS AIRPORT SYSTEM PLANNING

Aviation Technical Subcommittee

Staff hosted the July 23 Aviation Technical Subcommittee Meeting, during which time staff shared out the RASP Phases 1-3 draft final report key findings and updated the subcommittee on progress made on both the 2019 Washington-Baltimore Regional Air Passenger Survey Geographic Findings Report and the Air Passenger Survey Response Rate Study.

Comprehensive Regional Air System Plan Update – Phase 3

In coordination with the Metropolitan Washington Airports Authority (MWAA), and the Maryland Aviation Administration (MAA), staff completed the RASP Phases 1-3 Report.

Survey Response Rate Study

Staff completed the scope of work for the upcoming Survey Response Rate Study.

Process 2019 Air Passenger Survey - Phase 1

COG staff continued the analysis of the 2019 Washington-Baltimore Regional Air Passenger Survey (APS), including preparing to begin the geocoding process and updating observed enplanement data for 2020.

PROGRESS TOWARD REPORTS AND PLANS

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 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 conducted: November-December 2020
- Anticipated findings analyzed and report released: January-February 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 contacted TPB member jurisdictions to request geospatial and other project data from agency plans.
- Completion of the bulk import phase project database (a major basis for the plan update) is anticipated September 2020, from jurisdictions that could make information available. Also, anticipated for September 2020, the National Capital Trail network data will be incorporated into the database, and an online data portal will be made available for the jurisdictions to add projects or edit existing project data.
- Completion of the plan update is anticipated for mid-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 began December 2019
- Virtual forum scheduled for June 22, 2020

Metropolitan Washington Regional Intelligent Transportation Systems Architecture (MWRITSA)

- The most recent MWRITSA full update was posted on the TPB website in July 2019. Minor adjustments and updates were requested as of August 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 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)

- Approval 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

July/August 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	139,904.88	139,904.88	13%
SUBTOTAL	1,085,010.00	139,904.88	139,904.88	13%
2. Transportation Improvement Program				
Transportation Improvement Program	268,483.00	34,479.33	34,479.33	13%
TIP Database Support	170,000.00	0.00	0.00	0%
SUBTOTAL	438,483.00	34,479.33	34,479.33	8%
3. Planning Elements				
Congestion Management Process	604,501.00	52,342.66	52,342.66	9%
Systems Performance, Ops & Tech Planning	806,686.00	68,501.07	68,501.07	8%
Transportation Emergency Preparedness Planning	124,046.00	14,571.35	14,571.35	12%
Transportation Safety Planning	258,367.00	27,235.26	27,235.26	11%
Bicycle & Pedestrian Planning	151,252.00	24,985.94	24,985.94	17%
Regional Public Transportation Planning	368,910.00	38,401.68	38,401.68	10%
Freight Planning	190,466.00	23,184.47	23,184.47	12%
Metropolitan Area Transportation Operation Coord Program Planning	168,289.00	20,142.32	20,142.32	12%
Performance-Based Planning & Programming	280,399.00	33,654.36	33,654.36	12%
SUBTOTAL	2,952,916.00	303,019.11	303,019.11	10%
4. Public Participation				
Public Participation	1,009,599.00	141,287.21	141,287.21	14%
Communications	9,297.00	0.00	0.00	0%
SUBTOTAL	1,018,896.00	141,287.21	141,287.21	14%
5. Travel Forecasting				
Software Support	198,271.00	18,702.87	18,702.87	9%
Network Development	999,084.00	142,098.45	142,098.45	14%
Model Development	2,649,137.00	202,680.09	202,680.09	8%
SUBTOTAL	3,846,492.00	363,481.41	363,481.41	9%
6. Mobile Emissions Planning				
Air Quality Conformity	849,138.00	122,628.84	122,628.84	14%
Mobile Emissions Analysis	986,454.00	118,829.40	118,829.40	12%
SUBTOTAL	1,835,592.00	241,458.23	241,458.23	13%
7. Travel Monitoring and Data Programs				
Regional Travel Survey	354,495.00	63,286.68	63,286.68	18%
Traffic Analysis & Research	866,343.00	49,716.96	49,716.96	6%
Regional Transportation Data Clearinghouse	326,086.00	86,624.75	86,624.75	27%
GIS Analysis	617,470.00	163,915.42	163,915.42	27%
SUBTOTAL	2,164,394.00	363,543.81	363,543.81	17%
8. Planning Scenarios and Socioeconomic Forecasting				
Socioeconomic Forecasting	1,032,477.00	124,268.98	124,268.98	12%
Scenario Planning	498,466.00	22,589.32	22,589.32	5%
SUBTOTAL	1,530,943.00	146,858.30	146,858.30	10%
9. Mobility and Enhancement Programs				
Transportation and Land Use Connections Program	353,274.00	29,104.18	29,104.18	8%
Enhanced Mobility Grant Program	37,693.00	11,802.98	11,802.98	31%
Transportation Alternatives Set-Aside Programs	233,483.00	4,961.69	4,961.69	2%
SUBTOTAL	624,450.00	45,868.85	45,868.85	7%
10. TPB Support and Management				
TPB Support and Management	858,369.00	88,511.85	88,511.85	10%
SUBTOTAL	858,369.00	88,511.85	88,511.85	10%
SUBTOTAL CORE PROGRAM ITEMS 1-10	16,355,545.00	1,868,413.00	1,868,413.00	11%
TECHNICAL ASSISTANCE				
District of Columbia Technical Assistance	294,366.00	15,004.19	15,004.19	5%
Maryland Technical Assistance	807,806.00	61.89	61.89	0%
Virginia Technical Assistance	578,978.00	11,795.38	11,795.38	2%
WMATA Technical Assistance	373,857.00	804.58	804.58	0%
TECHNICAL ASSISTANCE PROGRAM TOTAL	2,055,007.00	27,666.04	27,666.04	1%
TPB GRAND TOTAL	18,410,552.00	1,896,079.03	1,896,079.03	10%

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

July/August 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	14,571.18	21,338.26	1,269.08	223,661.74	13,302.10
SUBTOTAL	294,366.00	15,004.19	25,637.79	1,306.79	268,728.21	13,697.40
B. Maryland Technical Assistance						
Program Development & Misc	15,000.00	61.89	1,306.42	5.39	13,693.58	56.50
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	61.89	70,355.83	5.39	737,450.17	56.50
C. Virginia Technical Assistance						
Program Development & Misc.	15,000.00	61.89	1,306.42	5.39	13,693.58	56.50
Travel Monitoring	190,001.00	170.56	16,548.13	14.86	173,452.87	155.71
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	495.13	5,399.89	43.12	56,600.11	452.00
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	11,795.38	50,426.06	1,027.32	528,551.94	10,768.06
D. WMATA Technical Assistance						
Program Development & Misc	5,001.00	804.58	5,001.00	804.58	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	804.58	373,857.00	804.58	0.00	0.00
GRAND TOTAL	2,055,007.00	27,666.04	520,276.68	3,144.07	1,534,730.32	24,521.96