

# FY 2021



National Capital Region  
**Transportation Planning Board**

## **Work Program Progress Report**

**February 2021**

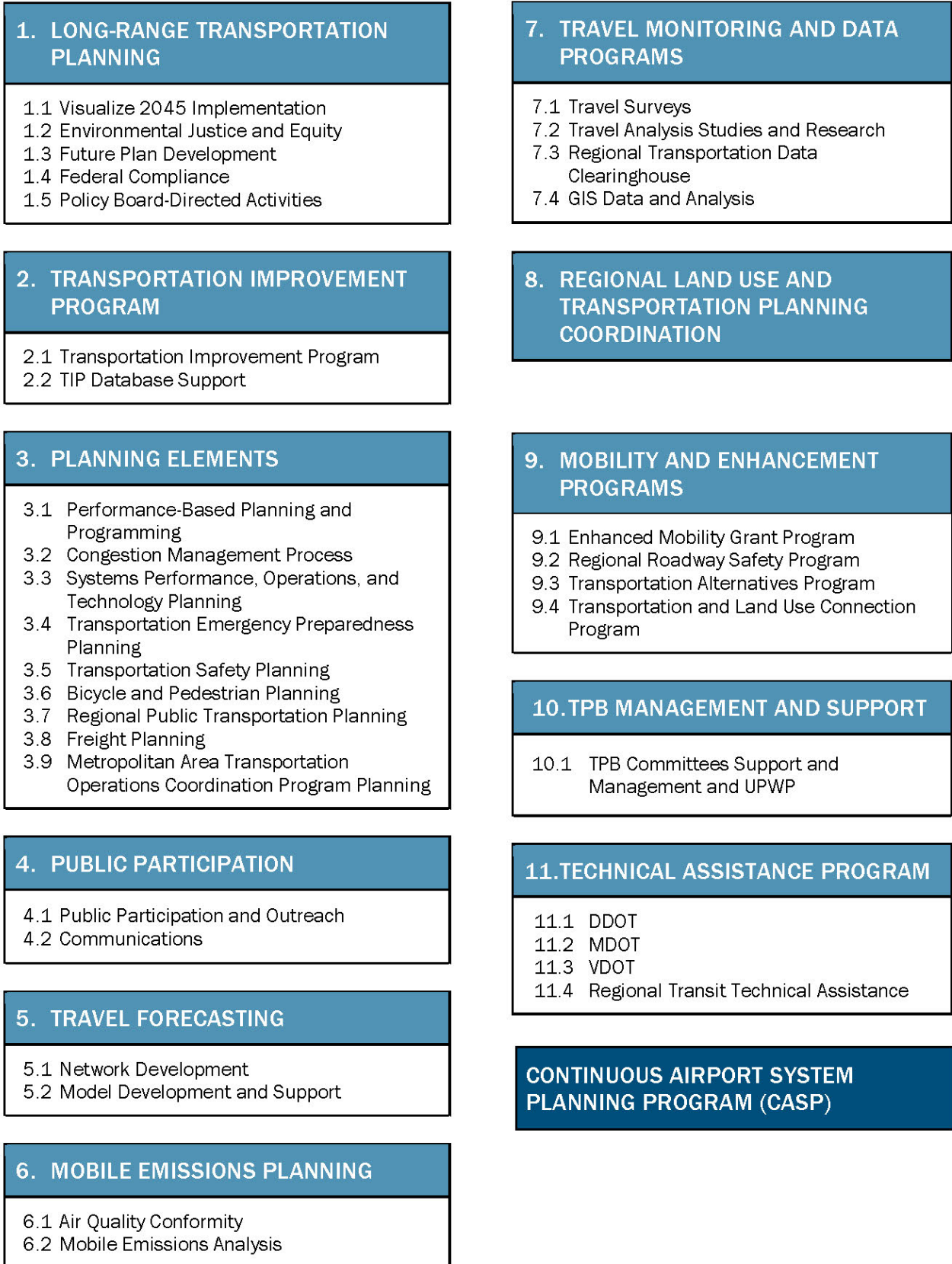
**FY 2021**

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS 777 NORTH CAPITOL STREET, N.E.,  
SUITE 300

WASHINGTON, D.C. 20002-4239

MAIN (202) 962-3200 | TTY 202/962-3212 | MWCOG.ORG

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 February. 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.



Task 1	BUDGET	Billed this month	% Funds Expended	UPWP Page
LONG RANGE TRANSPORTATION PLANNING	\$1,085,010	\$77,757	63%	31

**1. LONG-RANGE TRANSPORTATION PLANNING**

***1.1 Long-Range Transportation Plan***

In February 2021, the TPB staff conducted two of its ongoing biweekly LRTP coordination meetings, during which planning and coordination take place for a range of LRTP activities and materials, from technical and financial inputs, and preparation for the comment period and its related materials, to the LRTP outline and approach/content, communications, mapping and public participation.

To support data entry in TPB’s Project InfoTrak system, TPB staff coordinated with the technical members to review the inputs received during the solicitation period for the technical inputs to update Visualize 2045, the TIP, and the air quality conformity analysis for the plan and TIP, which extended from 12/16/2021-2/12/2021. Staff coordinated internally and with technical members to review the data updates, address any errors or questions and to apply quality control procedures.

Staff followed up with local jurisdictions and independent agencies, via email, and asked for any outstanding long-term revenue and expenditure inputs. Staff began their review of the inputs that had been received.

Staff coordinated with TPB subject matter experts to discuss the Visualize 2045 outline, approach and potential integration/ coordination across TPB products (such as the bike/ped and freight plans). Staff finalized the comment period materials templates, and continued work with a graphic design firm to cost-effectively build out a new website.

Staff that manages long-range transportation plan activities continued to work with the public participation team to draft a socially distant public engagement approach for the summer of 2021, building on Phase I of public participation (survey and focus groups).

Staff continued to work with a consultant to produce two additional infographics and one animated video about TPB policy priorities.

Staff continued testing new performance measures being considered to enhance the LRTP performance reporting.

Staff continued work, with consultant support, to document regional climate resiliency/stormwater planning and identify regional strategies for resiliency/stormwater management through transportation projects and programs.

***1.2 Federal Compliance***

The Fredericksburg MPO is planning to discuss the update to the 2004 MOU in their committees in March.

***1.3 Policy Board-Directed Activities***

The TPB has directed that the TPB itself and its staff commit that our work together will be anti-racist and will advance equity all its work activities...” In response to the TPB July 2022 resolution, TPB staff have conducted activities to discuss how to incorporate these concepts materially. The TPB staff conducted internal workshops to discuss examples of staff activities and have shared recent examples of best practices for considering equity and anti-racism in our work. TPB staff continue to weave equity, as a foundational principal, through TPB’s analyses, operations, procurement, programs, and priorities to ensure a more prosperous, accessible, livable, sustainable, and equitable future for all residents.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	\$438,483	\$29,950	65%	33

**2. TRANSPORTATION IMPROVEMENT PROGRAM**

**2.1 Transportation Improvement Program (TIP)**

TPB staff approved a total of seven administrative modifications for during the month of February. Four modifications were approved for DDOT (TIP IDs 3213, 5316, 6803, 6805); one for MDOT/SHA (TIP ID 6645); and one for Prince George’s County (TIP ID 6684).

**2.2 TIP Database Support**

During the month of February, EcoInteractive provided technical support to resolve several glitches that occurred in the Project InfoTrak database application. The consultant also completed the following tasks during the month of February:

- Change the COG staff person who receives all admin emails
- Add new lead agencies for Bike/Ped Plan module
- Produced LRTP Listings report (similar to TIP Listing)
- Document that shows all data on project page from system. Utilizing the data export and adding project questions

EcoInteractive began work on the following tasks in the month of February:

- TIP Overview Report - Maintain format that information is saved on project description
- TIP Overview Report - Display Fund ID instead of Fund Name
- Change to editing a TIP document page (remove FTA status and change 'Fed' to FHWA)
- Printable Project Description Forms
- Allow Accepted LRTP projects to be amended/carried out of open LRTP amendments
- New functionality on map tab that is a ‘create node’ feature that allows you to add a point on the map.

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Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$2,952,916	\$185,787	45%	35

**3. PLANNING ELEMENTS**

**3.1 Performance-Based Planning**

Staff commenced data collection on calendar year 2020 data for PBPP measures. Staff continued discussion on the content and work items regarding PBPP for the 2022 version of the Visualize 2045 long range transportation plan.

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

Staff continued compiling information on impacts of the COVID-19 pandemic on roadway traffic, transit ridership, and other aspects of transportation for presentation at future committee meetings, and as part of 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***

In coordination with the Long-Range Transportation Planning Task 1, a consultant team with staff oversight continued work on “Resiliency Planning Factor – Adaptation Planning and Coordination”, to research and document TPB member agency resiliency adaptation activities, and to develop a white paper to describe findings. The effort was anticipated to be completed by May 2021.

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

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

The February 10 meeting of the Transportation Emergency Preparedness Committee (R-ESF 1) was organized and conducted, regarding information sharing continued among committee members and staff on current regional transportation emergency preparedness issues, and Metropolitan Area Transportation Operations Coalition (MATOC) and transportation agency response actions due to COVID-19.

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

The regularly scheduled February 9 meeting of the Transportation Safety Subcommittee was organized and conducted. The agenda included an update on Virginia’s Highway Systemic Safety Action Plan from VDOT, an overview of pedestrian safety improvements in the Wheaton, MD central business district, a briefing on Maryland HSIP funds for local roads, and a status update on the TPB regional safety program.

Staff received and responded to 10 optional Regional Safety Program abstracts submitted by member jurisdictions. The application period for member jurisdictions to submit applications to the Regional Safety Program was open throughout February and will close on March 22nd.

Staff began developing a Request for Qualifications (RFQ) to solicit consultants for the Regional Safety Program.

For the Analysis of Regional Roadway Safety Outcomes study, the consultant team continued work on a regional roadway safety equity analysis.

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

The February 2 meeting of the Bicycle and Pedestrian Subcommittee was organized and held. The agenda included the selection of a new subcommittee chair for 2021, an update on the bicycle and pedestrian plan project database, a briefing on the new Regional Safety Program, and a review of the application process for the FY 2022 TLC program.

As part of the Subcommittee’s ongoing series of professional development workshops, staff organized and scheduled Vision Zero and FHWA Bikeway Selection Guide Workshops for April 23 and March 30 respectively.

Staff continued to work with TPB member agency staff to add users and answer questions on the use of the database portal.

Staff briefed the Capital Trails Coalition on the Bicycle and Pedestrian Plan update at its February 23 meeting, and provided a Street Smart update to the Prince George’s Vision Zero working group on at their meeting on February 25.

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

The Regional Public Transportation Subcommittee met in February. The agenda included an update on regional information gathering regarding transit operations and covid-19, a briefing on a infographic on Bus Rapid Transit (BRT) and transitways being prepared for Visualize 2045, a briefing on regional transit information that will be collected by survey as well as a survey on information for the 2020 State of Public Transportation report. The agenda concluded with a roundtable on 2021 agenda topics.

TPB staff worked on developing the BRT and Transitways infographic. Staff prepared a scope of work for the on-call planning consultant to develop a White Paper on Transit Equity. Staff participated in MATOC Transit Task Force calls and discussed options for assisting the region's transit providers in coping with the pandemic and the recovery of transit systems. Staff attended meetings of the WMATA JCC.

### **3.8 Freight Planning**

Staff developed the agenda and secured speakers for the regularly scheduled March 11 meeting of the TPB Freight Subcommittee.

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

The Metropolitan Area Transportation Operations Coordination (MATOC) Program is an operational partnership of the region's major transportation agencies, funded outside the UPWP, but with certain planning support activities provided by TPB staff under this task.

The regularly scheduled virtual February 9 meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted, continuing planning for winter weather response coordination.

The regularly scheduled virtual February 12 meeting of the MATOC Steering Committee was organized and conducted, continuing discussion of communications, coordination, and Traffic Incident Management topics, as well as impacts of COVID-19.

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Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	\$1,018,896	\$113,121	71%	41

## **4. PUBLIC PARTICIPATION**

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

Staff and consultants finalized the findings from a region-wide public opinion survey, called Voices of the Region, which was conducted last fall. More than 2,400 responses were received, which greatly exceeded the target of 2,000. The responses also generally met the targets for 10 sub-regional (largely county-level) geographies. The results of the survey were presented to the TPB at its February meeting. The findings were featured in a number of media stories. Throughout the month, staff and consultants worked to finalize the survey report, scheduled for release in March.

Staff concluded a series of 11 focus groups with randomly selected residents about key transportation challenges facing the region. The sessions, which focused on equity, safety and climate change, will provide qualitative input for the update of Visualize 2045, the region's long-range transportation plan. This input will complement the opinion survey that was conducted in the fall. Staff facilitated all the focus group sessions, took notes, and wrote up debrief documentation. Participants for the sessions were grouped by geographic and demographic categories, including residents who are low-income, racially and ethnically diverse, people with disabilities, older adults. One session was conducted in Spanish. Consultant assistance was engaged to recruit participants.

Later in February, staff began analysis of focus group input using qualitative research software. A report on this research will be released in the spring.

The Community Advisory Committee (CAC) to the TPB met on February 11 for an online-only meeting. This was the first meeting for the 2021–2022 committee. At the meeting, committee members introduced themselves to each other and participated in an orientation activity. Committee members shared their priorities for their two-year terms, including equity, safety, sustainability, technology (including autonomous vehicles), and the aspirational initiatives. The committee also received the latest briefing on the Regional Travel Survey and discussed the year ahead with Chair Allen.

Staff continued preparing for Phase II outreach for Visualize 2045, which will provide open opportunities for public input. Phase I was focused on public opinion research through quantitative research (opinion survey) and qualitative research (focus groups). Phase II engagement will be conducted this summer.

Staff held a virtual AFA committee meeting on February 12:

- New Chair Canek Aguirre introduced himself
- Visualize 2045 survey and focus groups:
  - Staff briefed the committee on initial results from TPB’s region-wide public opinion survey and focus groups in preparation for the 2022 update of Visualize 2045
  - Attendees provided suggestions to ensure equitable opportunity for all groups in the region to participate
  - Staff announced a joint focus group with AFA and the TPB’s Community Advisory Committee on February 25
- Presentations on impacts of COVID-19 on Enhanced Mobility and other programs in the region:
  - o Staff provided an overview of activities TPB/COG has taken and will continue to take in response to COVID impacts on Enhanced Mobility and other programs in the region serving older adults and people with disabilities
  - o Two Enhanced Mobility grantees, Mr. Werth from Diamond/National Express and Ms. Smith from The Arc of Prince William/INSIGHT, Inc., presented on the significant impacts of COVID-19 on their programming and transportation services for people with developmental and intellectual disabilities in Virginia and the region
  - o Committee discussion included how the AFA could bring awareness to the issue.
- Chair Aguirre announcements:
  - o AFA Member Deborah Fisher, an expert in intellectual and developmental disabilities, was selected by WMATA’s Accessibility Advisory Committee (AAC) to be the second AFA liaison.
  - o WMATA’s 2020 Hedding Award, which honors a person or organization whose efforts have resulted in significant improvements to accessible public transportation services for people with disabilities in the National Capital Region, was given to the late Charlie Crawford. Staff participated in the virtual event.
  - o Long-time AFA member Gloria Swiergina was appointed to the Maryland Commission on People with Disabilities.
- Staff announced Coronavirus Response and Relief Supplemental Appropriations Act of 2021 (CRSSAA) funding in the amount of \$591,353 at 100% Federal for the DC-MD-VA urbanized area. A proposal for eligibility and selection criteria will be presented at the February TPB meeting.
- Staff announced a webinar series on autonomous vehicles and people with disabilities offered by the U.S. Access Board.

## **4.2 Communication**

The following stories were featured in TPB News and COG news releases:

- *Get to know the TPB's Community Advisory Committee*  
February 23, 2021
- *Voices of the Region survey gauges opinions on future of transportation*  
February 23, 2021
- *What does the TPB do?*  
February 9, 2021
- *TPB in Spanish*  
February 9, 2021

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

Staff updated pages on the COG website related to transportation. Staff also planned updates of the website.

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Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	\$3,846,492	\$223,993	41%	43

## **5. TRAVEL FORECASTING**

### **5.1 Network Development**

Staff continued coordinating with various implementing agencies (e.g., VDOT and MDOT) to assist them as they add project inputs for the 2022 update to the Long Range Transportation Plan (LRTP), Visualize 2045, and the FY 2023-2026 Transportation Improvement Program (TIP) in the Project InfoTrak (PIT) database for inclusion in forecast-year networks for the upcoming air quality conformity analysis. Staff began exporting air quality conformity project records from the PIT and identifying changes since the 2020 Amendment to Visualize 2045.

Staff continued to develop the base 2019 transit service for use in the upcoming air quality conformity analysis of the 2022 update to Visualize 2045. This work includes adding (“coding”) new bus routes and/or deleting bus routes that are no longer in service in the geodatabase as well as recoding routes that have origin and/or destination changes.

In support of Gen3 Model development, staff continued to work on the development of the base-year (2018) transit networks reflecting four time-of-day periods. Staff developed a new automated procedure to extract the transit route information for four time-of-day periods from the GTFS schedules. Staff developed an exhaustive list of bus routes that operate only in PM peak and evening periods and created a GTFS-based regional bus route shape file for reference. Staff is currently in the process of coding these routes in the network database.

Staff troubleshooted and fixed an error in the network database related to an incorrect LinkID value in the transit network. Staff also fixed an issue related to the geometric directionality of highway links in the year-2045 network.



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

The Travel Forecasting Subcommittee (TFS) meets in odd-numbered months. In February, staff completed compiling the meeting highlights from the January 15 meeting and staff began preparing the agenda for the March 26 meeting.

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

Staff helped VDOT diagnose an issue related to running the mode choice model software (AEMS) of the Gen2/Ver. 2.3.78 Model in Cube Version 6.4.5.

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

In preparation for developing a Gen2/Version 2.4 Travel Model transmittal package, staff finished a draft of the model user's guide and drafted a transmittal memorandum. Both documents are currently undergoing internal review. Staff is also preparing a folder that contains the most requested travel model output files for the Ver. 2.4 Travel Model to facilitate expected future data requests.

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

Staff has been developing a version of the Gen2/Ver. 2.4 Travel Model that will use a newer transit path-building software module, known as Public Transport (PT), since the knowledge gained could transfer over to the Gen3 Travel Model, which will also use PT. In February, staff made a series of enhancements to the process used for developing transit access links, known as non-transit legs, including a process to record park-and-ride (PNR) parking cost and PNR-lot-to-station transfer times on transit paths, and an automated procedure to impose restrictions on kiss-and-ride (KNR) access links. After these model enhancements were made, staff performed a range of independent quality assurance/quality control (QA/QC) checks on the modeling results.

Staff developed draft flowcharts for the latest Ver. 2.4\_PT Model which are currently under review.

### **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 two check-in meetings with RSG and BMG, the consultants on the Gen3 Model development project (February 11 and 25).
- In support of the Gen3 Model data needs as outlined in an RSG memo, dated 12/1/20, staff collected and processed some data items. Specifically,
  - Item #6: Active park space and open space total acres. Staff in COG's Planning Data and Research Team prepared data files and documentation and transmitted them to RSG.
  - Item #18: Staff requested VRE monthly boarding data for October 2018.
- Staff continued to work on the reweighting of the COG Regional Travel Survey (RTS) data. Staff provided comments and recommendations regarding the options RSG proposed to improve estimated school attendance rates. Staff is still awaiting the RSG guidance on the overestimation of Metrorail trips.
- Per request from RSG, staff developed modeling files to generate additional travel time matrices that are needed for the Gen3 Model Phase 1 development, including highway travel times and costs ("skims") for four time-of-day periods, non-motorized (walking/biking) distance skims and intrazonal distance skims. Staff performed independent QA/QC checks on the modeling results and transmitted the modeling files to RSG.
- Coordinating with staff in other departments and other DTP teams, staff provided comments on the proposed crosswalk between North American Industry Classification System (NAICS) categories and COG employment types in support of the Gen3 Model Phase 1 development. COG staff also conducted research and provided comments on other proposed model features, such as Gen3 Model directory structure, type of shell script, format of skim files, etc. Specifically:

- Related to the choice of shell script, staff researched and compared the strengths and weakness of Windows batch, PowerShell, and Python scripts.
- Related to the format of skim files, staff tested the use of open-source Cube2OMX converter and the Python openmatrix library to work with the OMX file format.
- Staff tested the revised set up of the PopulationSim-based MWCOG population synthesizer on the modeling server which finally worked. RSG is finalizing the documentation of the software.
- Staff tested the latest ActivitySim with full MTC data and shared the findings with RSG.

**Other activities**

Staff serviced four data requests: One request was from a local agency (Fairfax County DOT); Three requests were from consultants working for VDOT and WMATA. The requested data included the Ver. 2.3.78 Travel Model, load-link highway networks from the Ver. 2.3.78 and Ver. 2.4 Travel Models for years 2019 and 2045.

Staff attended an internal COG workshop on February 3 entitled “Big Data - options and strategies.” Staff also attended a kickoff meeting on February 3 on the Transportation Data Dashboard Project.

Staff continued to work with IT to set up and conduct modeling tests on Amazon cloud servers. Specifically, staff conducted a series of tests on four proposed Amazon Cloud server settings and narrowed down the choice set to one setting for further testing. Staff also tested the Gen2 Model on the Amazon server and coordinated with Bentley and AECOM on an issue of running the AEMS mode choice software in Cube 6.5 on the Amazon cloud server.

Staff developed a Python script that adjusts and interpolates land use data for modeling use. Staff is currently performing review on the script. This script can potentially be integrated with the MWCOG population synthesizer which is also based on Python. Staff implemented and tested a write restriction on the main branch of the Gen2 Model repository on GitHub.

Staff tested the TRANSIMS ModeChoice software on Cube 6.4.5 and reported a run-time issue to AECOM.

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Task 6	Budget	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,835,592	\$131,502	58%	45

**6. MOBILE EMISSIONS PLANNING**

***6.1 Air Quality Conformity***

Staff continued to regularly attend coordination meetings related to scheduling tasks for the 2022 quadrennial update of the region’s LRTP, Vision 2045, including the air quality conformity analysis, system performance analysis, and environmental justice analysis.

Staff continued coordinating with various implementing agencies (e.g., state departments of transportation) to provide assistance with adding project inputs for the 2022 update to the region’s LRTP and the FY2023-2026 Transportation Improvement Program (TIP) in the Project InfoTrak (PIT) database for inclusion in forecast-year networks for the upcoming air quality conformity analysis. Staff began exporting conformity project records from the PIT database and identifying changes since the 2020 Amendment to Visualize 2045.

Staff continued to participate in the Scenario Planning Project Oversight Committee and provide feedback to the study team.

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

## **6.2 Mobile Emissions Analysis**

Staff conducted activities related to the TPB Climate Change Mitigation Study of 2021. Staff shared with the TPB Technical Committee a memorandum on the Phase I findings, which summarized the findings from past TPB and COG studies that analyzed potential greenhouse gas (GHG) reduction strategies for the on-road transportation sector (item #7). The Department of Environmental Programs (DEP) staff briefed the TPB Technical Committee on the 2030 Climate and Energy Action Plan (item #6) and Metropolitan Washington Air Quality Committee (MWAQC, item #6). Department of Transportation Planning (DTP) staff also developed a detailed draft scope of work for the project consultant, pertaining to the Phase II of the study, which will attempt to answer what it would take to reduce the on-road transportation-sector greenhouse gas emissions by 50% below 2005 levels by 2030. Staff plan to work with the consultant and finalize the draft scope of work in March and share it with appropriate committees in April and May.

DEP and DTP staff developed a joint TPB/MWAQC comment letter to the Environmental Protection Agency (EPA) regarding a still-in-place 1986 policy about replacement catalytic converters. Staff presented the letter to the TPB Technical Committee (Other Business), obtained approval for the letter from the TPB's Steering Committee (item #2) and the MWAQC Executive Committee (item #3), and submitted the letter to EPA before the end of the comment period. The letter was also discussed at the Metropolitan Washington Air Quality Committee's Technical Advisory Committee (MWAQC-TAC) meeting (item #3).

DEP staff briefed MWAQC-TAC on different planning options for the 2015 ozone National Ambient Air Quality Standards (NAAQS, item #2). Specifically, the committee was briefed on implications of different planning options and timelines given that the region was unable to attain the 2015 ozone NAAQS based on the draft 2018-2020 ozone design value data. MWAQC was also briefed on this topic at its February meeting (item #4).

Staff continued to work with COG's Office of Facilities and Purchasing to select a vendor to provide DTP staff with software to decode vehicle registration data, which were provided to staff by the Maryland, Virginia, and DC air quality agencies. Staff finalized the selection process and provided the vendor (ESP Data solutions) with a copy of the software license agreement signed by the COG Executive Director, Chuck Bean.

DTP staff continued to work with DEP staff, member jurisdictions, and state air agencies to facilitate various aspects of air quality and climate change planning activities.

DTP and DEP staff, and COG executive office representatives, coordinated activities with our members regarding the Transportation and Climate Initiative (TCI), which is a regional collaboration of Northeast and Mid-Atlantic states and the District of Columbia that seeks to reduce carbon emissions from the transportation sector. TCI finalized a Memorandum of Understanding, which was initially signed by Massachusetts, Connecticut, Rhode Island, and the District of Columbia on December 21, 2020. Eight other states, which include Maryland and Virginia, announced that they will continue to work with the signatory jurisdictions on the development of the details of the regional program while pursuing state-specific initiatives to reduce transportation-related greenhouse gas emissions. A summary regarding the recent developments was provided to the TPB Technical Committee (Other Business).

In response to a follow-up data request related to project-level air quality planning for the I-495 & I-270 Managed Lanes Study conducted by MDOT, staff provided a project consultant for MDOT with additional air quality modeling files from the 2020 Amendment to Visualize 2045.

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 both to maintain consistency with the Version 2.4 Travel Demand Model that is expected to be released to the public as the next production-use model in the spring of 2021 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	\$116,006	51%	47

**7. TRAVEL MONITORING AND DATA PROGRAMS**

***7.1 Travel Surveys***

Staff fielded RTS data requests from stakeholders.

Staff updated the RTS webpage.

Staff continued to prepare an RTS article to be released by TPB News in March.

Staff shared the tabulations from the RTS on the Regional Transportation Data Clearinghouse (RTDC), in addition to the “About the RTDC RTS Tabulations” documentation.

Staff provided input on the Air Passenger Survey Response Rate and Quality Study.

Staff provided input on the “Voices of the Region” Survey.

Staff participated in biweekly meetings with the Gen3 Model Development Team.

Staff provided an update on the RTS to the Community Advisory Committee on February 11.

Staff conducted a literature review of transportation surveys measuring the impacts to travel behavior from COVID-19 that inform regional transportation planning.

Staff answered questions from the Travel Forecasting and Emissions Analysis Team about the RTDC RTS Tabulations, RTS Technical Documentation, and coding of trips that begin or end outside the region.

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

Staff reviewed and commented on the “Voices of the Region” Survey slides and report.

Staff participated in the Gen3 Model Check-in meetings.

Staff supported the Transportation Planning Director with questions about Regional Travel Survey data on job holders per household.

Staff met with the Systems Performance Planning Team to discuss the concept for a transit equity study. Staff later reviewed and provided feedback on the Pandemic Transit Equity Study proposal.

**Transportation Impacts of the COVID-19 Pandemic**

Staff continued to coordinate with other key organizational technical staff to prepare an examination of COVID-related regional impacts from a multisectoral perspective, including the transportation sector to better understand and describe the impacts to the region’s transportation system from a broad context. Staff updated presentation slides with updated information and made several presentations during the period.

**RTS Stakeholder Question Project**

Staff worked as a team to develop outlines to perform technical analysis to inform questions submitted by regional stakeholders about the Regional Travel Survey (RTS) findings. Once the approaches were finalized, the team began to perform the analysis.

**Traffic Trends**

Staff processed and analyzed the December 2020 highway data from permanent count stations and shared the results with the TPB Planning Data and Research Program Director for inclusion in a presentation to the TPB on the Transportation Impacts of the COVID-19 Pandemic in the National

Capital Region. In addition, staff finalized the Covid-19 Travel Monitoring Snapshot for the calendar year 2020 and published it on the COG Website.

Staff received the July 2020 through December 2020 non-motorized count data from the Arlington County continuous counting stations. Staff processed these data and began to prepare charts to better understand how the pandemic is affecting non-motorized travel when compared with previous years.

Staff prepared a description of coordination on and monitoring of non-motorized traffic volumes across the region in support of the Planning Data and Research Program Director.

#### Big Data in Regional Travel and Mobility Analyses

Staff and the consultant convened a meeting with TPB Leadership to review the project, including the report, partner agency meetings, and procurement options and strategies as well as a procurement recommendation.

#### Transportation Data Dashboard

Staff continued testing various data visualization tools that can be used to support elements of the transportation data dashboard.

### ***7.3 Regional Transportation Data Clearinghouse (RTDC)***

Staff produced a data dictionary including new traffic-related items for the Traffic Volumes by Link RTDC layer and shared it with fellow team staff for comment. Staff finalized the 2019 traffic volumes for the Count Stations and External Stations tables. Staff began populating screenline links with 2018 traffic volume data.

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 met with fellow team staff on the Planning Research and Assistance side to discuss the products from the Regional Travel Survey (RTS) that will be added to the RTDC.

Staff responded to a question from Department of Environmental Programs (DEP) staff regarding the availability of a regional 'Points of Interest', specifically for Prince George's County. Staff provided recommendations and links to available data.

Staff attended and participated in the Maryland State Geographic Information Committee (MSGIC) virtual meeting held on February 10.

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

Staff attended the virtual Esri Federal User Conference held February 22-24.

Staff worked with the committee leadership of the GIS Committee and GDX Working Group to begin to plan the March 16 GIS Committee/GDX Working Group virtual meeting.

As part of support to the NCR GDX, staff participated in the February 26 Food Resources meeting.

Staff attended and participated in a meeting with fellow DTP staff regarding Big Data options and strategies, on February 3.

Staff attended and participated in the Transportation Data Dashboard Project kickoff meeting held February 3. In preparation for this meeting, staff developed a draft Story Map containing several examples of TPB's data and geospatial applications as well as examples on other types of transportation data visualizations done by other organizations.

Staff met with staff from the Plan Development & Coordination team on February 4 to discuss Short- and Long- term interactive map updates/ideas related to Visualize 2045.

Staff worked with TPB's bicycle and pedestrian planner and other Systems Performance team staff to develop a plan for supporting efforts on the 2021 Bicycle and Pedestrian Plan for the National Capital

Region. Staff is working on a draft map of the projects in the plan for the March 16 Bicycle and Pedestrian Subcommittee.

Staff worked with Prince George’s County Department of Public Works and Transportation (DPWT) and Planning staff to obtain spatial data for the county’s submitted bicycle and pedestrian projects. Staff worked collaboratively with county staff to refine the data—this dataset will be added to the data used in the draft map of bicycle and pedestrian projects being developed for the March 16 Bicycle and Pedestrian Subcommittee meeting.

Staff attended and participated in meetings regarding Visualize 2045 activities, hosted by the DTP Plan Development and Coordination Team, held on February 10 and 24, in addition to meeting informally throughout the month as necessary.

Staff continued to participate in meetings with the Travel Forecasting and Emissions Analysis Program team and their contractor, RSG, to assist with data needs for Gen3 Model development.

Staffs finalized the plan for deliverables for the Gen spatial data on parks and other open space to be used in the development of the Gen3 model. Staff started drafting a memo and Excel workbook that documents the data to be delivered to the consultant team next month.

Staff began to assist Commuter Connections staff with updating the Bike to Work Day web map used on COG’s Bike to Work Day website (<https://www.biketoworkdaymetrodc.org>)

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING	\$1,530,943	\$86,853	40%	51

**8. SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING**

***8.1 Socioeconomic Forecasting***

Review of initial draft Round 9.2 Cooperative Forecasts

Throughout February, 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 Cooperative Forecasting Subcommittee and the Planning Directors Committee both approved the draft Round 9.2 Forecasts at their respective meetings for use by the TPB in the upcoming Air Quality Conformity Analysis. The COG Board of Directors approved the draft Round 9.2 Cooperative Forecasts for use in Air Quality Conformity Analysis for the upcoming Visualize 2045 update at its February meeting. Throughout February, participating jurisdictions submitted their small-area 9.2 Forecast data files and DCPS staff began compiling the data into the regional dataset. It is anticipated that the DCPS compilation and quality control work on Round 9.2 will be completed during March. DCPS staff will also brief the TPB Technical Committee on the new Forecasts at their March meeting.

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. At their January meeting, DCPS staff presented a 35-year analysis of regional and jurisdictional residential permitting trends to the Planning Directors.

COVID-related impacts to the economy

To assist with the COG-wide multi-sector analysis of COVID impacts, DCPS staff continued to update the PowerPoint presentation that documents the effects to date of COVID on the region’s economy.

At their February meeting, members of the Planning Directors Committee agreed to focus each monthly meeting during 2021 on estimating COVID impacts to topics like office space usage, housing production, and telework – all which could influence future Cooperative Forecasts.

Staff reviewed and commented on a NAICS to Land Use Type Matrix prepared by the Gen3 Model Team.

**8.2 Scenario Planning**

Staff participated in a regular project management meeting with the consultant. The project manager coordinated internally to continue to build a vision for the workshop to be held later in the Spring. Staff reviewed and provided feedback on a questionnaire that was later distributed to Peer MPOs to learn more about their experience with Scenario Planning. Staff also reviewed and approved the consultant’s invoice for work performed in January.

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Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILITY AND ENHANCEMENT PROGRAMS	\$624,450	\$25,278	30%	55

**9. MOBILITY AND ENHANCEMENT PROGRAMS**

**9.1 Enhanced Mobility Grant Program**

Staff attended National Center for Mobility Management and National Aging and Disability Transportation Center webinars on CRRSAA funding.

Staff finalized eligibility and selection criteria to allocate the apportionment of \$591,353 for the DC-MD-VA urbanized area to existing Enhanced Mobility subrecipients and obtained FTA’s approval of the process.

Staff announced CRRSAA funding at the February Technical Committee meeting.

Staff presented the criteria and timeline for allocating CRRSAA funding to the TPB.

Staff developed an application, sent notification of the opportunity to current and prior Enhanced Mobility, JARC and New Freedom subrecipients and launched the CRRSAA solicitation.

On February 10, staff held a Virtual Training for subrecipients receiving vehicles under the Enhanced Mobility 4 program.

**9.2 Transportation Alternatives Set-Aside Program**

Staff oversaw the Steering Committee approval of a funding transfer to provide additional funding for a previously approved TAP project in Falls Church, Virginia.

Staff conducted discussions to explore options for using surpluses that have built up in the TPB’s sub-allocation accounts for TAP in the TPB’s state-level jurisdictions.

**9.3 Transportation Land-Use Connections Program**

The application period for the FY 2022 round of TLC projects opened on January 8. The deadline for applications is March 8. Potential applicants could submit abstracts by January 26 to get preliminary feedback on project concepts. Staff received 21 abstracts and responded with comments on February 2. For the upcoming year, the TLC Program is particularly seeking projects that promote ped/bike access in Transit Access Focus Areas (TAFAs) and the National Capital Trail Network (NCTN). Both the TAFAs map and the NCTN map were approved by the TPB last July.

Staff released a Request for Proposals (RFQ) in February for consultant support for the TLC Program. This RFQ will update the consultant procurement process for TLC. The RFQ deadline is March 22. Through this RFQ, COG/TPB will qualify a limited number of consultants who will each be awarded a contract that will provide them the opportunity to compete for task orders for individual TLC projects.

The 15 TLC Projects for FY 2021 were underway as described below:

- DC (North Capitol Cloverleaf) - Bi-weekly progress meeting with DCOP and DDOT staff continued. The consultant continued preparing existing multimodal facilities condition diagrams and began existing and No Build condition traffic analyses.
- DC (Public Space Activation Playbook) – A meeting was held between the consultant, jurisdiction, and COG staff liaison to review the draft project schedule, best practices, and determine next steps.
- MD (City of Bowie) – The consultant is developing the alternatives and is also working up the preliminary draft report this month.
- MD (City of Frederick) – The consultant completed an environmental inventory and began survey work for the project.
- MD (Montgomery County) – Jurisdiction and consultant are analyzing results from public survey and are continuing data collection and field work at the site.
- MD (Prince George’s County Cool Spring & Adelphi Road) – Plans for another community meeting are underway and data collection/fieldwork have been finalized.
- MD (Prince George’s County Riggs Road) – The consultant is developing materials for an upcoming public meeting in March. These materials include a project website, public input survey, and an interactive public comment map to receive feedback.
- MD (City of Takoma Park) - The consultant developed starter idea cross sections to review with the City.
- VA (City of Alexandria) – The consultant delivered a technical memo that is currently under review by the jurisdiction staff.
- VA (Arlington County Micro-Mobility) – Consultant work to develop a micro-mobility transit hub prototype is ongoing.
- VA (Arlington County Curb Space Allocation Tool) – Additional project meetings were held to work through required inputs to the Curb Space Allocation Tool and discuss model logic.
- VA (Fairfax County) – Stakeholder kick-off meeting was held on 2/12. The consultant is beginning to develop a draft final report for comment to FCDOT staff, COG staff and other key stakeholders.
- VA (City of Fairfax) – Jurisdiction and consultant staff met for a biweekly check-in on 2/24, in which the jurisdiction shared a new vision and design alternatives for Fairfax Circle. A short survey for the public to share priorities for the future of this intersection will be open until 3/7.
- VA (Town of Herndon) – Jurisdiction and consultant met to go over the second phase of the project. A meeting for phase three of the project is planned.
- VA (Prince William County) - Progress conference calls were held with the consultant and county staff on 2/11 and 2/25. Data collection has been completed, and data analysis is underway.



Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$858,369	\$65,569	45%	57

**10. TPB SUPPORT AND MANAGEMENT**

***TPB Support and Management***

Staff support was provided for the following committees and subcommittees:

- State Technical Working Group (STWG)
- TPB Technical Committee
- TPB Steering Committee
- MWCOG Board Meetings
- Transportation Planning Board (TPB)
- MATOC Steering Committee
- TPB Community Advisory Committee (CAC)
- TPB Access for All (AFA)
- Regional Public Transportation Subcommittee (RPTS)
- Bicycle & Pedestrian Subcommittee
- COG Planning Directors
- TPB Freight Subcommittee

Support activities from the administrative staffs included: meeting logistics with meeting rooms and amenities, duplication and distribution of meeting materials, email/phone call follow ups. Additionally, staff also worked on monitoring work program activities, providing administrative assistance to senior staff and monitoring and prepare financial reports. Additionally, administrative staff work on monthly financial administration and management activity which includes review and finalization of monthly expense reports for all UPWP activities, development, and submission of monthly UPWP invoices and any follow up activity with the funding agencies.

The Staff Director provided overall program management oversight to all the Department’s activities. Work activities the Director was involved in during the month of **February FY 2021** includes:

- Discussions, review, and finalization of the agenda topics for the TPB’s Technical Committee, State Transportation Working Group (STWG) and Board meetings. This includes meeting with the Program Directors and project staffs to review the progress and briefing materials.
- Participation in the STWG, TPB Technical Committee, TPB Steering Committee, TPB’s Citizen’s Advisory Committee and the TPB Board meetings.
- Metropolitan Washington Air Quality Committee

Other additional activities for the TPB Staff Director for the month of February FY 2021 Includes Telephone / Web Ex / Microsoft Teams Communications:

- DOE Grant and Housing
- Rail Vision Advisory Committee Meeting
- MD HR Bill 485/SB361 Discussion (MWCOG & BMC)
- City of Rockville – TRP Project Status Call
- Sidwell Friends – Senior Class Seminar
- MWAQC Executive Committee
- TPB Climate Change Mitigation Study of 2021 – Discussions with on-call consultant
- TPB FY 22 UPWP Funding (FTA) – Discussions with DDOT
- Prince George’s County – Climate action commission meeting
- Regional Roundtable for NCHRP (DC area)
- Transit Technical Assistance – VRE, (S. Soneji), MTA (Kyle), and Prin. Geo. Co. (Vic)
- Interview Washington Post – Lori Aratani

**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	\$25,200	6%	59
District of Columbia	\$294,366	\$320	16%	59
Maryland	\$807,806	\$11,262	3%	61
Virginia	\$578,978	\$9,155	10%	63
WMATA	\$373,857	\$4,461	2%	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 prepared a consent agenda item for the COG Board to begin accepting SP&R Funding. SP&R activities are described in a separate progress report.

Staff reached out to start identifying projects and plans for the FY 2022 Technical Assistance Program.

***11.2. Maryland***

Program Development, Data Requests, and Miscellaneous Services

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

Staff reached out to start identifying projects and plans for the FY 2022 Technical Assistance Program.

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.

Staff issued a Request for Proposals (RFP) to obtain on-call travel monitoring consultant services for FY 2022 travel monitoring studies. Staff reached out to VDOT to identify a representative to serve on the Technical Selection Committee.

For the I-395 and I-66 Mode Share Study, staff continued to review and prepare materials. Due to changes in transit service as the region continues to recover the impact from COVID, all transit routes will need to be reviewed again in the late Spring before finalizing the scope of work.

Staff reached out to start identifying projects and plans for the FY 2022 Technical Assistance Program.

#### Travel Monitoring and Survey

##### *Non-Motorized/Active Transportation Counts*

Staff finished reviewing the video files from the Fall 2020 non-motorized counts and approved all but two of the count summaries. Staff instructed the contractor to reprocess video files from two locations and to prepare new summaries.

Staff began discussing Spring 2021 non-motorized count locations with VDOT staff.

#### Sub-Regional Planning Study

##### *Park and Ride Study*

The consultant, VDOT, and COG/TPB participated in a regular monthly check-in meeting. A follow-up meeting was convened to review and integrate comments submitted by stakeholder meeting participants on the Current Needs Assessment, Future Technology and Mobility, and Planning and Funding Processes research. Staff coordinated internally and with the consultant to add language to the Park & Ride Map about the Commuter Connections. The consultant completed the Needs Assessment and corresponding table.

#### 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**

#### Program Development

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

After the carryover process was completed, staff reached out to discuss plans for the FY 2022 Technical Assistance Program.

Staff collaborate internally and with the Regional Transit Account representative (WMATA) to refine the proposal for the Transit within Reach Program Solicitation. The program will fund design projects that improve bicycle and pedestrian access to Transit Access Focus Areas.

Staff continued to develop the proposal for the high-capacity transit map and the program manager for the project was identified. The proposal was shared with the representative for the Regional Transit Account for comment and feedback.

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### 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.

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## **CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM**

### Continuous Air System Planning Program

Staff prepared the FY2021-2025 ACIP funding table and associated project narratives for submission to the Federal Aviation Administration (FAA). Following approval from the March COG Board Meeting, staff will submit the CASP 36 grant application to the FAA. Due to the decision not to conduct the Washington-Baltimore Regional Air Passenger Survey in the fall of 2021, an Air Cargo Study will instead be conducted during that time. As such, CASP program staff met with COG-TPB staff who specialize in freight / cargo planning to discuss study collaboration possibilities.

### Comprehensive Regional Air System Plan Update – Phase 3

The scheduled February 17 TPB presentation of the priority airport ground access projects resulting from the Comprehensive Washington-Baltimore Regional Air System Plan (RASP) Report was postponed to the March TPB meeting.

### Survey Response Rate and Quality Study

ICF provided a report back to the Technical Advisory Committee (TAC) on key findings from the stakeholder meetings conducted. Staff submitted the data and other content for the longitudinal analysis element of the study to ICF.

### Process 2019 Air Passenger Survey - Phase 2

Staff continued making modifications to the 2019 Washington-Baltimore Regional Air Passenger Survey Geographic Findings Draft Report as comments were received by members of the Aviation Technical Subcommittee.

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## **PROGRESS ON PLAN PRODUCTS**

### BIG DATA IN REGIONAL TRAVEL AND MOBILITY ANALYSES

- Completed kick-off meeting
- 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 was executed 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.
- Coordination meetings with DDOT, MDOT, VDOT, VDRPT, and WMATA were completed.
- COG/TPB Leadership Coordination Meeting completed

### Transportation Data Dashboard

- Completed kickoff meeting
- Tools evaluation under way

### COORDINATED HUMAN SERVICE TRANSPORTATION PLAN

- The current Coordinated Plan was adopted by the TPB in December 2018
- The next Enhanced Mobility Solicitation will be in Spring/Summer 2021.
- The next update of the Coordinated Plan will occur in 2022

### Develop Regional Safety Study Final Report

- Estimated completion in May 2021.

### Develop and Implement the Regional Safety Program

- Project Solicitation complete March 2021.
- TPB Approval of Initial Set of Projects complete June 2021.

### Bicycle and Pedestrian Plan Update

- Completion of the plan update is anticipated by mid-CY 2021.

### National Capital Regional Trail

- The current version of the trail map was approved and published in July 2020. An annual update to the map is anticipated in mid-CY 2021.

### Transit Access Focus Areas

- Completed: July 2020

### Public Participation Plan

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

### Opinion Survey for Visualize 2045

- Survey instrument and methodology developed: July-August 2020
- Respondents complete survey: September-October 2020
- Sneak-peak findings released: January 2021
- Presentation of findings to the TPB: February 2021
- Anticipated report finalization; March 2021

### Qualitative Research (Focus Groups) for Visualize 2045

- Methodology developed and participants recruited: October-December 2020
- Focus groups conducted: January-February 2021
- Anticipated findings analyzed and report released: Spring 2021

FY 2021 TRANSPORTATION PLANNING BOARD  
COG/TPB BUDGET EXPENDITURE SUMMARY  
February 2021

	DC, MD and VA FTA, FHWA and LOCAL BUDGET TOTAL	FUNDS EXPENDED	BILLED THIS MONTH	% FUNDS EXPENDED
<b>1. Long Range Planning</b>				
Long - Range Transportation Planning	1,085,009.84	679,912.83	77,757.92	63%
<b>Subtotal</b>	<b>1,085,009.84</b>	<b>679,912.83</b>	<b>77,757.92</b>	<b>63%</b>
<b>2. Performance-Based Plannin</b>				
Transportation Improvement Program	268,483.36	143,093.56	17,099.67	53%
TIP Database Support	170,000.00	139,791	12,851	82%
<b>Subtotal</b>	<b>438,483.36</b>	<b>282,884.56</b>	<b>29,950.67</b>	<b>65%</b>
<b>3. Planning Programs</b>				
Congestion Management Process	604,501.49	210,417	23,852.25	35%
Systems Performance, Ops & Tech Planning	806,685.57	320,209.48	45,306.4	40%
Transportation Emergency Preparedness Planning	124,045.56	52,735.22	6,619.13	43%
Transportation Safety Planning	258,367.03	139,844.13	42,810.41	54%
Bicycle & Pedestrian Planning	151,252.07	107,246.15	13,594.97	71%
Regional Public Transportation Planning	368,910.14	177,304.2	20,052.96	48%
Freight Planning	190,466.47	93,994.55	8,455.45	49%
Metropolitan Area Transportation Operation Coord Program Planning	168,288.89	78,323.58	8,449.31	47%
Performance-Based Planning & Programming	280,398.66	144,166.04	16,646.76	51%
<b>Subtotal</b>	<b>2,952,915.88</b>	<b>1,324,240.35</b>	<b>185,787.64</b>	<b>45%</b>
<b>4. Public Particitpaiton/Hum</b>				
Public Participation	1,018,896.59	727,909.34	113,121.57	71%
<b>Subtotal</b>	<b>1,018,896.59</b>	<b>727,909.34</b>	<b>113,121.57</b>	<b>71%</b>
<b>5. Travel Forecasting</b>				
Software Support	198,270.97	108,798.49	32,079.92	55%
Network Development 4t	999,084.04	592,095.14	77,340.22	59%
Models Development	2,649,137.27	864,253.9	114,573.23	33%
<b>Subtotal</b>	<b>3,846,492.28</b>	<b>1,565,147.53</b>	<b>223,993.37</b>	<b>41%</b>
<b>6. Mobile Emissions Planning</b>				
Air Quality Conformity	849,138.36	537,447.74	67,323.9	63%
Mobile Emissions Analysis	986,454.16	527,032.13	64,178.45	53%
<b>Subtotal</b>	<b>1,835,592.52</b>	<b>1,064,479.87</b>	<b>131,502.35</b>	<b>58%</b>
<b>7. Travel Monitoring and Dat</b>				
Regional Travel Survey	354,495.26	272,656.07	48,497.3	77%
Traffic Analysis & Research	866,343.32	226,282.23	16,617.97	26%
Regional Transportation Data Clearinghouse	326,085.62	224,216.13	7,780.01	69%
GIS Analysis	617,470.21	380,829.53	43,111.41	62%
<b>Subtotal</b>	<b>2,164,394.41</b>	<b>1,103,983.96</b>	<b>116,006.69</b>	<b>51%</b>
<b>8. Cooperative Forecasting</b>				
Socioeconomic Forecasting	1,032,477.45	506,063.89	49,237.65	49%
Scenario Planning	498,466.46	103,298.49	37,615.36	21%
<b>Subtotal</b>	<b>1,530,943.91</b>	<b>609,362.38</b>	<b>86,853.01</b>	<b>40%</b>
<b>9. Transportation Alternativ</b>				
Transportation and Land Use Connections Program	435,840.52	123,875.14	18,723.67	28%
Enhanced Mobility Grant Program	164,040.37	49,895.51	5,897.84	30%
Transportation Alternatives Set-Aside Programs	24,573.52	16,376.76	657.06	67%
<b>Subtotal</b>	<b>624,454.41</b>	<b>190,147.41</b>	<b>25,278.57</b>	<b>30%</b>
<b>10. TPB Support and Managemen</b>				
TPB Support and Mgmt	858,368.90	387,000.75	65,569.02	45%
<b>Subtotal</b>	<b>858,368.90</b>	<b>387,000.75</b>	<b>65,569.02</b>	<b>45%</b>
<b>Core Program</b>	<b>16,355,552.10</b>	<b>7,935,068.98</b>	<b>1,055,820.81</b>	<b>49%</b>
<b>A. DC Technical Assistant</b>				
District of Columbia Technical Assistance	294,365.66	45,833.53	320.26	16%
<b>B. MD Technical Assistant</b>				
Maryland Technical Assistance	807,807.13	23,829.3	11,262.92	3%
<b>C. VA Technical Assistant</b>				
Virginia Technical Assistance	578,978.65	55,509.31	9,155.13	10%
<b>D. WMATA</b>				
WMATA Technical Assistance	373,856.74	6,605.1	4,461.88	2%
<b>Technical Assistance</b>	<b>2,055,008.18</b>	<b>131,777.24</b>	<b>25,200.19</b>	<b>6%</b>
<b>TPB Grand Total</b>	<b>18,410,560.28</b>	<b>8,066,846.22</b>	<b>1,081,021.00</b>	<b>44%</b>

FY 2021 TRANSPORTATION PLANNING BOARD  
FINANCIAL STATUS OF TECHNICAL ASSISTANCE  
February 2021

SUPPLEMENT 1

	TOTAL		FTA/STA/LOCAL		PL FUNDS/LOCAL	
	AUTHORIZED	TOTAL	AUTHORIZED	FTA	AUTHORIZED	FHWA
	BUDGET	EXPEDITURES	BUDGET	EXPENDITURES	BUDGET	EXPENDITURES
<b>A. DC Technical Assistant</b>						
DC Technical Assistance	39,366.00	0.00	3,428.54	0.00	35,937.46	0.00
Program Development & Misc	10,000.14	4,472.11	870.95	389.49	9,129.19	4,082.62
Traffic Counts & HPMS Support	244,999.52	41,361.42	21,337.95	3,602.32	223,661.57	37,759.10
<b>Subtotal</b>	<b>294,365.66</b>	<b>45,833.53</b>	<b>25,637.43</b>	<b>3,991.82</b>	<b>268,728.23</b>	<b>41,841.71</b>
<b>B. MD Technical Assistant</b>						
Feasibility/Special Studi	50,000.62	9,857.34	4,354.75	858.51	45,645.87	8,998.83
Program Development & Misc	15,000.48	3,029.32	1,306.45	263.84	13,694.03	2,765.48
Planning Studies	100,000.34	0.00	8,709.41	0.00	91,290.93	0.00
Other Tasks	232,804.00	0.00	20,275.79	0.00	212,528.21	0.00
Transportation/Land Use Connection Program	260,000.00	10,942.64	22,644.40	953.04	237,355.60	9,989.60
Training, Misc and Tech Support	100,000.34	0.00	8,709.41	0.00	91,290.93	0.00
Transportation Performance Measures	50,001.35	0.00	4,354.81	0.00	45,646.54	0.00
<b>Subtotal</b>	<b>807,807.13</b>	<b>23,829.30</b>	<b>70,355.02</b>	<b>2,075.39</b>	<b>737,452.11</b>	<b>21,753.91</b>
<b>C. VA Technical Assistant</b>						
Program Development & Misc.	15,000.48	4,232.73	1,306.45	368.64	13,694.03	3,864.09
Sub-regional Planning Studies	62,000.18	25,502.08	5,399.83	2,221.07	56,600.35	23,281.01
Other Tasks	51,977.00	0.00	4,526.88	0.00	47,450.12	0.00
Transportation Land Use Connections	160,000.00	6,144.00	13,935.01	535.10	146,064.99	5,608.90
Travel Demand Modeling	99,999.96	11,259.97	8,709.38	980.67	91,290.58	10,279.30
Travel Monitoring	190,001.03	8,370.53	16,547.92	729.02	173,453.11	7,641.51
<b>Subtotal</b>	<b>578,978.65</b>	<b>55,509.31</b>	<b>50,425.47</b>	<b>4,834.52</b>	<b>528,553.18</b>	<b>50,674.79</b>
<b>D. WMATA</b>						
Program Development & Misc	5,000.74	2,655.65	5,000.74	2,655.65	0.00	0.00
Other Tasks	191,130.00	0.00	191,130.00	0.00	0.00	0.00
WMATA TIGER GRANT PERF MO	177,726.00	3,949.45	177,726.00	3,949.45	0.00	0.00
<b>Subtotal</b>	<b>373,856.74</b>	<b>6,605.10</b>	<b>373,856.74</b>	<b>6,605.10</b>	<b>0.00</b>	<b>0.00</b>
<b>Grand Total</b>	<b>2,055,008.18</b>	<b>131,777.24</b>	<b>520,274.66</b>	<b>17,506.82</b>	<b>1,534,733.52</b>	<b>114,270.42</b>