

FY 2024



National Capital Region
Transportation Planning Board

Work Program Progress Report
MAY 2024

FY 2024

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

77 NORTH CAPITOL STREET, N.E., SUITE 300

WASHINGTON, D.C. 20002-4239

MAIN 202/962-3200 | FAX 202/962-3201 | TTY 202/962-3212 | [HTTP://WWW.MWCOG.ORG](http://WWW.MWCOG.ORG)

TPB Work Program Progress Report
MAY 2024 FY 2024

The TPB approved its FY 2024 Unified Planning Work Program (UPWP) in March 2023. The TPB Work Program Progress Report summarizes each activity for May. In addition, this report concludes with status updates reflecting timelines for all ongoing program plans and projects. Please reference the 2024 UPWP for details concerning the approved budget, and work description for each task. The following graphics 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	\$1,136,668	\$74,679	75%	41

1. LONG-RANGE TRANSPORTATION PLANNING

1.1 – Visualize 2045 Implementation

Staff continued working on developing an existing multimodal system map as of 2023 and met internally to review it. Staff worked with agencies on the non-regionally significant projects to review the status of projects in the PIT database in advance of the June deadline for submitting NRS projects for V2050. As part of this effort, staff created a spreadsheet tool for agencies to indicate the NRS project status and which ones should be carried forward from the 2045 to the 2050 plan, removed, or had been completed since the previous inventory done for Visualize 2045.

1.2 – Environmental Justice and Equity

Staff presented to the TPB's Access for All Committee on the results of the March public comment period. At the 2050 team meeting, staff held an internal discussion on how the TPB considers equity in its many planning areas in advance of documenting this information in their respective process documents.

1.3 – Future Plan Development

The main activity this month was final preparations and conversations in advance of the board's action on the regionally significant for air quality projects and the air quality analysis scope of work. There were many comments and letters provided and compiled in advance of the meeting which staff packaged and shared with board members.

Staff continued promoting agency inputs for non-regionally significant projects and held three Q&A sessions with submitting agencies. Staff continued reviewing the draft PIT 2.0 data platform and identified improvements for EcoInteractive to make prior to launch. Staff worked on identifying photos for the Visualize plan and logging them in a common folder structure for easy access.

Staff prepared for and continued bi-weekly meetings with the graphic designer focusing on website development, an internal 2050 team meeting and weekly plan and PIT coordination discussions. Staff met with subject matter experts regarding their plan or process sections as needed, continued writing plan sections with a focus on the existing transportation system (including a draft interactive map) and documenting the current system performance of various modes and issues. Staff kept up with ongoing developments with the COG-WMATA DMVMoves initiative and how it could relate to the Visualize planning process.

1.4 – Federal Compliance

No activity at this time.

1.5 – Policy Board-Directed Activities

Staff maintained a calendar of key activities and met internally to ensure progress on plan development. Staff presented the regionally significant for air quality projects for approval this month at the TPB meeting, and the board approved all but one of the projects for inclusion in the air quality conformity analysis. The board directed staff to bring the one project, the I-95/I-495 Southside Express Lanes project, back for action at next month's meeting. Staff continued talking with key stakeholders and prepared for the June TPB meeting where action would be taken on whether to include the project in the air quality conformity analysis.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	\$583,710	\$38,464	82%	43

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1– Transportation Improvement Program (TIP)

At its meeting on Friday, May 3, the TPB Steering Committee adopted the two resolutions listed below, approving amendments to the FY 2023–2026 TIP:

- TPB SR23-2024 – requested by Prince George’s County Department of Public Works and Transportation to add the Bridge Preservation Program, Phase 1 (T13607) with \$6.75 million programmed using BFP and local matching funds for the current TIP (FY 2023-2026) and an additional \$1.0 million for FY 2027 for a total project cost of \$7.75 million.
- TPB SR24-2024 – requested by VDRPT to add \$3.0 million using federal earmark, state, and local funds for the Envision Route 7 BRT Planning Study (T13608) and adds approximately \$49 million in CMAQ and local matching funds for construction of the Crystal City Metro Station East Entrance project (T6670), bringing the revised total to cost \$146 million.

The bridge preservation program and the BRT planning study are both exempt from the air quality conformity requirement as defined in the Environmental Protection Agency’s (EPA) Transportation Conformity Regulations as of April 2012.

During the month of May, TPB staff approved administrative modifications to 21 project or program records in the FY 2023-2026 TIP as follows:

- DDOT - 6 records, a net total decrease of approximately \$6.24 million
- MDOT-SHA – 7 records, adding a net total of approximately \$82.17 million
- VDRPT – 1 record switched sources of funding with no change in cost
- TPB – 1 record modified to show all Sect. 5310 funding in FY 2024
- WMATA – 6 records, a net total decrease of approximately \$28.39 million

2.2–TIP Database Support

Contractor EcoInteractive, continued to provide their Software as a Solution platform, customized and branded as TPB’s Project InfoTrak database application, as well as ongoing bug fixes and help desk support for staff and member agency users.

Work in progress or completed in May under the baseline maintenance and support contract included updating some standard data values and fixing some bugs:

- Added a new funding source available for selection in TIP funding tables for Community Project Funding earmarks
- Renamed and repurposed the field previously designated for “NRS” but which was at the wrong level to capture that data.
- EcoInteractive continued ongoing work on developing the platform upgrade for the Project InfoTrak database application. Most reports that TPB staff were expecting to see have been developed and made available in the new platform’s testing environment.

Under an expanded contract for professional services, EcoInteractive developed and refined customizations of the software platform, and performed other specialized tasks. Work in progress or completed in May under the professional services contract included:

- Adding conformity implementation status and NRS fields to conformity level data.
- Modified logic so that Bike/Ped projects could be added to LRTP and TIP adoptions.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$3,505,138	\$231,950	62%	45

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff completed a memorandum and slide deck regarding PBPP highway asset and system performance data for the June Technical Committee. Staff coordinated with State DOT staff on the MPO CMAQ Performance Plan due in September.

3.2 Congestion Management Process

Staff continued information gathering, analysis, and development of the 2024 Congestion Management Process Technical Report.

3.3 Systems Performance, Operations, and Technology Planning

Consultant teamwork continued a member agency operations technology regional inventory project.

3.4 Transportation Emergency Preparedness Planning

Planning continued for future meetings of the Transportation Emergency Preparedness Committee (R-ESF 1) to discuss current regional transportation emergency preparedness issues.

3.5 Transportation Safety Planning

Staff coordinated with the consultant team to advance several elements of the Regional Safety Study. Staff provided guidance on the sourcing and collection of regional crash, population, and vehicle miles traveled (VMT) data, and the consultant team began analyzing 2018-2022 crash data collected from state Departments of Transportation. The consultant also delivered a draft literature review on safety best practices, which was reviewed and edited by staff. Work on a questionnaire to solicit qualitative data from jurisdictions also began.

Internal discussions were held to begin planning for a Safety Summit in the fall. Staff developed a conceptual framework for the summit agenda with preliminary topics for review and comment by TPB officers.

Planning sessions were held on May 7 and 21 with the Transportation Safety Subcommittee Chair to identify topics and speakers for future Subcommittee meetings.

3.6. Bicycle and Pedestrian Planning

Staff organized and held an in-person meeting of the Bicycle and Pedestrian Subcommittee on May 28. The Subcommittee was briefed on the TPB's new regional trail counts program, the draft Northern Virginia Bicycle Facilities Study, the draft Virginia Trails Plan, and Maryland's new Complete Streets policy.

Staff organized and held a Best Practices in Pedestrian Enforcement Workshop on May 10 and a regional Dockless Micromobility Workshop, held on June 3.

3.7 Regional Public Transportation Planning

Staff began a series of site visits to transit agencies operating in the TPB region, meeting with staff from VanGO in Charles County and VRE in Alexandria, Virginia. The purpose of the visits is to better

understand the existing operations of regional transit providers, engage with Regional Public Transportation Subcommittee members in the field, and discuss what role TPB can play in assisting its members with future agency plans. Media gathered from these visits will be incorporated into future COG and TPB products and social media posts highlighting regional transit.

Staff worked on the 2023 State of Public Transportation Report. Staff also contributed to transit-related content for the Visualize 2050 plan.

Staff prepared letters of endorsement for federal grant applications by member jurisdictions. Staff also attended WMATA's monthly JCC meeting and the monthly NVTC MAC meeting.

Staff continued work on the intercity bus and rail travel study with the on-call planning consultants, approving the inventory technical memo's outline and overseeing its preliminary drafting, as well as initial stakeholder engagement. The consultant team and TPB staff held regular bi-weekly check-in meetings.

Staff coordinated with the DMVMoves regional transit initiative, addressing regional transit funding and coordination. This involved attending meetings with project staff, including from WMATA and external facilitators, to establish meeting agendas and develop presentation materials.

3.8. Freight Planning

In coordination with the Maryland Department of Transportation (MDOT), staff presented recommendations for updating the Critical Urban Freight Corridor (CUFC) network in Suburban Maryland to the Steering Committee on May 3, which was subsequently approved by resolution.

Staff held a kick-off meeting with the TPB's on-call consultant to assist with the planning and execution of a Curbside Forum.

Planning sessions were held on May 2, 16, and 30 with the Freight Subcommittee Chair to identify topics and speakers for future Subcommittee meetings and the Curbside Forum. No Subcommittee meeting was held in May to allow time for planning of the Curbside Forum activities.

3.9 Metropolitan Area Transportation Operations Coordination Program Planning

The regularly scheduled May 23 virtual meeting of the MATOC Operations Subcommittee was organized and conducted, discussing regional roadway operations and traffic issues.

The regularly scheduled May 31 virtual meeting of the MATOC Steering Committee was organized and conducted, discussing communications, coordination, and Traffic Incident Management topics.

3.10 Resiliency Planning

In May, staff efforts in climate resilience and transportation initiatives continued generally and regarding the Phase II Transportation Resiliency Study. In May, staff efforts in climate resilience and transportation initiatives continued generally and regarding the Phase II Transportation Resiliency Study. In May, staff efforts in climate resilience and transportation initiatives continued generally and regarding the Phase II Transportation Resiliency Study. Resilience Planner continued to hold regular check-in meetings with ICF on the progress of the project. Staff presented the draft TRIP to the technical committee and board for May (notice for approval) and prepared to present to the board for final plan approval at the June meeting. drafted resolution (aims and goals) as preliminary outline for subcommittee formation. Resilience planner also worked with consultants on preparing and drafting engagement materials for socializing the TRIP and associated products as a resource for all in the region and beyond to use.

Progress on other existing projects continued – staff provided ongoing support for the Prince William County TLC project, assisted with planning for presentations for the upcoming Community Leadership Institute climate change module and completed the presentation at the event, presented at the quarterly meeting of the Resilient Roads Roundtable, presented on MWCOC/TPB resilience

efforts at a meeting for NVRC's MIRR 2.0 transportation implementation chapter, and continued to prepare scopes of work and proposals for work to be completed in the next fiscal year. Resilience planner continued to keep on top of the state of practice by attending webinars and reports and continues to serve on the leadership team organizing AMPO's Environment and Resiliency interest group quarterly online seminar. Lastly, resilience planner served as a panelist on a national Department of Transportation/FHWA online seminar on regional resilience improvement plans. In doing so, several new relationships have been established with resilience planners at other MPOs (Metropolitan Planning Organization) (Metropolitan Planning Organization) as TPB's resilience planner has offered assistance to MPOs that are starting on their own RIPs.

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	\$753,904	\$57,979	79%	53

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

Staff continued to receive and analyze comments on regionally significant for air quality projects proposed to be included in the air quality conformity analysis of Visualize 2050, the FY2026-2029 TIP and the draft scope of work. During the month of May, a total of 142 comments were received. The comments were focused on highway capacity-expanding projects. Staff developed a report on the input to the TPB.

The May meeting of the TPB Community Advisory Committee (CAC) was held virtually. The meeting featured discussion of the DMVMoves initiative, an update on the comments received for the air quality conformity analysis of Visualize 2050 and information on the Regional Bus Stop Design Forum.

The May meeting of the Access for All Advisory Committee was hybrid (both in-person and virtual). The meeting featured a discussion with the Safety Committee, Transportation and Land Use Connections (TLC) 2025 recipients and Visualize 2050 updates.

4.2 Communications

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

COG, WMATA launch historic initiative, DMVMoves, to create a unified vision and sustainable funding model for public transit

May 1, 2024

April 2024 TPB Meeting Recap: Visualize 2050 comments, Transportation Land-Use Connections project approvals

May 6, 2024

TPB supports 6 planning projects that promote roadway safety

May 15, 2024

TPB takes key step in development of Visualize 2050 plan

May 16, 2024

DMV region gears up for Bike to Work Day 2024 on Friday
May 16, 2024

May 2024 meeting recap: Visualize 2050, Regional Roadway Safety project approvals
May 30, 2024

Staff updated pages on the COG website related to transportation including the Planning Areas page.

Staff shared information about TPB activities via social media:

Metro Board/COG Board May 1 meeting, launch of DMVMoves initiative, CLI congratulations, Bike to Work Day announcement, TPB staff participation in AMPO meeting, Proposed WMATA Better Bus Network, TPB May 15 announcement, Regional Roadway Safety Program approvals, Bike to Work Day reminder, multiple Bike to Work Day reposts from TPB member jurisdictions and board/committee members, FHWA resilience planning webinar, All Stations Accessibility Program funding, VRE Fredericksburg station improvement

Staff completed the following in support of Task 1 Long-Range Transportation Planning:

Staff continued to work with Visualize 2050 consultant, Clark Communications, to prepare an updated menu and draft content outline for the Visualize 2050 website. Staff logged photo images for use in the Visualize 2050 plan document, presentations, and website posts.

Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	\$2,966,357	\$191,766	68%	55

5. TRAVEL FORECASTING

5.1 Network Development

Staff completed preparation of a 2023 base transit network to use as the foundation for forecast-year transit networks for the air quality conformity analysis of Visualize 2050 and used the network files in a test travel demand model run to quality assure the inputs. Using the network files exported from the network database, staff conducted travel forecasting for Quality Assurance/Quality Control (QA/QC) and found discrepancies in network coding. Network staff fixed these issues in the network database. Subsequently, staff reviewed the travel model outputs and determined that they were reasonable.

Staff continued to review regional bus and commuter rail fares to assure that the most up-to-date fares are included in the transit fare matrix for the travel demand model runs for the air quality conformity analysis of Visualize 2050. Staff prepared the appropriate files to reflect current Metrorail fares in the travel model for the upcoming air quality conformity analysis.

Staff updated transit fare tables for the Gen3 Travel Model for a 2019 analysis year.

Staff developed and reviewed network plots to quality assure the number of lanes coded on roads in the District of Columbia which were updated earlier in the fiscal year to reflect time-of-day parking restrictions.

Staff developed inputs and completed a “TIPUP” run, which is a process that uses the air quality conformity project input table to automatically update a large percentage of project changes in the highway network database.

Staff began the network coding process for the air quality conformity analysis of Visualize 2050. This work included coding into the network database the Gen3 Travel Model validation updates and other updates/corrections found since the 2022 update to Visualize 2045. Staff also created a shapefile for forecast-year transit routes submitted by Fairfax County.

Staff developed an automated procedure in COGTools that performs QA/QC checks on the network files exported from the Unified Network Database. While performing the QA/QC checks on the PT network files mentioned above, staff found some network coding errors that went unnoticed by the QA/QC procedure. Staff fixed the issues in the network database, and plan to enhance the QA/QC procedure of COGTools to detect/prevent these coding errors in the future. This task is currently on hold due to other work priorities.

Staff are in the process of developing a highway and transit network report for the Gen3 Travel Demand Model. This report will be included in the Gen3 Model transmittal package when the model is released for production use. This task is currently on hold due to other work priorities.

5.2 Model Development and Support

The Travel Forecasting Subcommittee (TFS) generally meets in odd-numbered months. Staff attended and presented at the May 17 TFS meeting, which included the following presentations:

- Status Report on the COG/TPB Gen3 Travel Model
- Feasibility of Adapting VisionEval for Scenario Planning in Virginia
- AGENT: A Platform for Demand Modeling and its Recent Key Applications

Generation 2/Ver. 2.4 Travel Model

Previously, staff had developed the Gen2/Ver. 2.4.6 Travel Model, which is to be used for the air quality conformity analysis of Visualize 2050. In May, in response to data requests, staff continued to distribute the model transmittal package.

Staff continued to distribute the March 22 version of the Round 10.0 land use data files for travel forecasting per data requests.

Staff generated exogenous travel demand inputs, including external and through trips, taxi trips, visitor/tourist trips, school trips and airport passenger auto driver trips, based on the Round 10.0 Cooperative Forecasts land use data. Staff also adjusted the exogenous trip tables for the Covid years and the immediately ensuing years to account for the pandemic effects on special travel markets. Staff conducted sensitivity tests that examined the impact of the Round 10.0 land use data and adjusted exogenous travel demand inputs data on modeling results. Staff documented the findings from the sensitivity tests in a memo dated May 7.

Generation 2/Ver. 2.4 Public Transport (PT) Travel Model

No updates.

Generation 3 Travel Model

Staff continued to work on the Phase 3 development of the Gen3 Travel Model, an activity-based travel model (ABM) implemented in ActivitySim software, which is being developed with the consultant assistance of RSG and Baseline Mobility Group (BMG). Specifically:

- Staff attended a Gen3 Model check-in meeting with RSG and Baseline Mobility Group (BMG) on May 21.
- Continuing to make updates, including new features, feature enhancements and bugfixes, to the Gen3 Model as needed. In May,
 - Staff extended the Autonomous Vehicle (AV) specification in the Gen3 Model to account for AV deadheading trips. Staff conducted two additional scenarios to examine the VMT impact of AV deadheading trips. Staff documented the extended scenario analysis in a revised version of the AV memorandum, dated May 16, and updated the Gen3 Model Phase 2 Sensitivity Testing Report to include the additional results.
 - Staff developed a streamlined program to compute View-From-Space (VFS) travel statistics for a subset of the synthetic population using user specified, geography/person/household-based criteria. Staff tested the program for QA/QC and fixed issues found in the testing.
 - Staff converted the template of the Gen3 Model User's Guide document to the TPB Report template and will update the User's Guide as a living document.
 - Staff renamed the synthetic population input filenames to avoid confusion.
 - Staff investigated Gen3 Model run errors that were related to the package management software Anaconda and fixed them by uninstalling and reinstalling Anaconda on the modeling servers. Subsequently, staff proposed a workflow, described in a memo dated May 9, to log Gen3 Model run errors in GitHub.
- Conducting Gen3 Model usability testing: In preparation for the usability testing, staff started to assemble model inputs for all the Visualize 2050 analysis years. Specifically,
 - Staff collected the most recent commuter rail (MARC and VRE) fare information and updated the corresponding fare input files.
 - Staff will update the network, Metrorail/bus fares, tolls factor files for the Gen3 Model based on the latest information that is currently being collected as part of the Visualize 2050 inputs.
- Implementing Sharrow in the Gen3 Model. This task is currently on hold.

Software support

Working with COG's Office of Information Technology (IT), TPB staff continued to maintain the software and hardware used to conduct travel demand forecasting and mobile emissions modeling. Hardware includes travel model servers (TMS) and mobile emissions model workstations (MEMWs) maintained at COG. Software includes Bentley Citilabs Cube, Python, Git/GitHub, R, MOVES, MySQL, MariaDB, and a travel speed post processor, implemented in Cube, for estimation of mobile emissions.

Staff have continued to meet, conduct model tests, and work with IT staff to address any issues related to the performance of workstations and servers using the Amazon Web Services (AWS) cloud servers. TPB staff are continuing to conduct tests to ensure that the processes that used to be executed using the on-premises computers can now be executed in the cloud. TPB staff are continuing to back-up the files located on the on-premises servers.

Other activities

In May, staff received six data requests and serviced five of them:

- Two requests were for the Gen2/Ver. 2.4.6 Travel Model. The first was from a consultant planning to use the input files, scripts, and documentation to create instructional examples and exercises for a custom-designed CUBE software training course. The second request was from an academic at George Washington University (GWU) who also requested loaded-link highway networks, person trips by mode, and vehicle trips.
- One request was for the Round 10 land use data (updated March 22) by a consultant working for NVTa to support the planning study of Preliminary Deployment Plan for a Regional Bus Rapid Transit System in Northern Virginia.
- One request was for loaded-link highway network shapefiles for the years 2017, 2021, 2023, 2025, 2030, 2040, and 2045 from the Gen2/Ver. 2.4.6 Travel Model, Round 10 land use by TAZ, and the 3,722 TAZ shapefile, by a consultant working for VDOT to calculate traffic growth rates for roadways near Washington Reagan National Airport.
- One request was from a consultant, working on VDOT's I-95 Bi-directional NEPA study, for clarification on the Round 10.0 land use forecasts for King George Co., Fredericksburg City, Stafford Co., and Spotsylvania Co.
- Staff are also in the process of providing a response to a request for the most recently updated Network Geodatabase and COGTools from M-NCPPC, Montgomery County Planning Department, to update Montgomery County's regional travel model network database.

Staff attended ActivitySim Consortium meetings regularly on Tuesdays and Thursdays. Staff also attended the ActivitySim Monthly Partners-Only Check-In Meeting on May 2.

RSG, Lawrence Berkeley National Laboratory (LBNL), COG, Prince George's Co. and the District of Columbia submitted a six-page proposal to USDOE on May 17 for a possible EV charging study using ActivitySim and MATSim. COG staff met internally on May 10 and had coordination meetings with RSG/LBNL on May 14, 16 and 17 to discuss the proposal and the concept paper.

Staff attended the monthly DTP Big Data User Group meeting on May 16.

Staff evaluated the validity of the Replica link volume data and AADT data by comparing them to the observed traffic counts at the regional screenline level. Staff also reviewed the Replica methodology document and quality reports as part of the investigation. Staff met with Replica staff on May 24 regarding some questions on the Replica data.

Staff reviewed a memorandum, dated May 10, that documents a recent analysis of transportation inequities in disadvantaged communities. Staff provided their feedback at a May 29 coordination meeting.

Staff continued to conduct daily modeling work on AWS cloud servers and work with IT to resolve issues encountered on the AWS servers. Staff had a bi-monthly coordination meeting with IT on May 17. Staff also worked with IT on the investigation of the "insufficient capacity" error encountered when launching a high-specs instance (r7i.8xlarge) on a cloud server.

Staff started to clean up the modeling data on the cloud, deleting unneeded files and moving older modeling data to archive drives to reduce the cloud storage cost.

Staff developed a job description for a Transportation Engineer 2 or 3 position that will replace Joe Davis, who retired in May. Staff started to work with HR on the hiring process.

Task 6	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$2,841,011	\$165,113	65%	59

6. MOBILE EMISSIONS PLANNING

6.1 Air Quality Conformity and Other Activities Associated with the Long-Range Transportation Plan

Staff continued to attend coordination meetings related to scheduling tasks for the 2025 update of the region's Long-Range Transportation Plan (Visualize 2050), including the air quality conformity analysis, system performance, and environmental justice analysis.

The TPB approved the project inputs (with the exception of one project in Virginia) and the scope of work for the air quality conformity analysis of Visualize 2050 (item #8). In preparation for this action, staff worked with implementing agencies to review project inputs for accuracy and made "technical correction" updates to the project input table to share with the Technical Committee and the TPB.

As a follow-up to the TPB action, staff began network coding and travel model file preparation for the air quality conformity analysis of the plan.

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

6.2 Mobile Emissions Analysis, Including Activities Associated with Climate Change Planning

Staff from COG's Department of Environmental Programs (DEP) and COG's Department of Transportation Planning (TPB staff) continued to coordinate with state air agencies on the update of motor vehicle emissions budgets (MVEBs) associated with the 2008 Ozone Maintenance State Implementation Plan (SIP). This MVEB update is being conducted to ensure that the tools used to develop future air quality conformity emissions estimates are consistent with the tools used to develop the MVEBs - i.e., that both are based on the current MOVES model. The Metropolitan Washington Air Quality Committee (MWAQC) approved the plan in September 2023, and the EPA is expected to approve the updated 2008 Ozone Maintenance Plan with new MVEBs in the next few months.

In December 2023, staff finalized the selection process and chose the vendor tasked with providing TPB staff with software to decode Vehicle Registration data, also referred to as Vehicle Identification Number (VIN) data, as documented in the selection memorandum. These data are used to create various inputs for the EPA MOVES model used to calculate criteria pollutant and greenhouse gas (GHG) emissions. In January 2024, the software procurement process was completed, with the vendor (ESP Data Solutions) delivering the latest version of software to TPB staff. TPB staff obtained the December 2023 VIN data from the state air agencies (via DEP point contact with state air agencies) in February and are continuing to conduct tests of the new software in coordination with the vendor.

TPB 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 in the region.

Staff continued to work with the project consultant (ICF) on a study of implementation considerations for on-road greenhouse gas (GHG) reduction strategies. On June 15, 2022, the TPB adopted on-road transportation sector GHG reduction goals of 50 percent below 2005 levels by

2030 and 80 percent below 2005 levels by 2050. Part of the approval was adoption of seven GHG reduction strategies as priorities and identification of seven additional greenhouse gas reduction strategies that merited further study, which are the subject of this study (along with some other additional strategies). ICF briefed the TPB Technical Committee on the status of the study and presented a draft report (item #6).

Staff continued to coordinate planning activities with the state departments of transportation related to the Carbon Reduction Program (CRP). This program, established by the Bipartisan Infrastructure Law (BIL), provides funds for projects designed to reduce on-road transportation emissions. As part of this program, each state was required to develop, by November 15, 2023, a Carbon Reduction Strategy, which should support efforts to reduce transportation emissions and identify projects and strategies to reduce these emissions. Staff reviewed six applications related to the program that were submitted by the state of Maryland.

Staff continued to monitor developments related to the Climate Pollution Reduction Grants (CPRG) Program, established by the Inflation Reduction Act. This program provides an investment of \$5 billion to support efforts by states, municipalities, air pollution control agencies, and tribes to develop and implement strong, local GHG reduction strategies.

Staff continued to participate in electric vehicle (EV) planning activities. COG staff and ICF staff (project consultant) held check-in meetings for the Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy project. Staff reviewed the updated draft strategy outline and provided feedback to the consultant. Staff also attended the Regional Electric Vehicle Deployment Working Group meeting.

TPB staff attended Climate, Energy and Environment Policy Committee (CEEPC) and Metropolitan Washington Air Quality Committee (MWAQC) meetings to keep abreast of the relevant developments pertaining to the on-road transportation sector. TPB staff also attended the first MWAQC Environmental Justice Subcommittee meeting on May 2.

As the version of MOVES that was last used in the air quality conformity analysis (MOVES2014b) cannot be used for these types of analyses starting with January 2023, TPB staff continued to conduct MOVES model tests using the most recent model version (MOVES4) and continued to evaluate the impacts of the new software on both criteria pollutants and GHGs. MOVES4 is now expected to be used in the Visualize 2050 air quality conformity analysis. DEP staff acquired several inputs for MOVES4 model for milestone years 2023, 2025, 2026, 2030, 2040, 2045, and 2050 for the Visualize 2050 conformity analysis and the GHG analysis. Staff started coordinating with state air agency staff to quality assure those inputs.

In support of the Community Leadership Institute session focused on climate change, DTP staff developed a presentation on climate change and created a simplified GHG emissions calculator for an interactive game. Model application staff briefed the attendees on the GHG mitigation strategies and facilitated discussion, on May 2, related to different climate change mitigation strategies with the aid of the GHG emissions calculator developed by the staff.

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	\$3,294,963	\$97,189	42%	63

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Transportation Research and Analysis

Staff provided project oversight and management for several large projects/initiatives, including the DMV Moves Survey, the Transportation Inequities in Disadvantaged Communities Study, and the Regional Electric Vehicle Implementation Strategy.

Staff continued drafting the scope for the next Regional Travel Survey.

Staff obtained a list of transit operators as part of the Transit On-Board Survey project.

Staff met with the on-call contractor (ICF) to discuss the Intercity Travel Survey.

Staff met with WMATA staff to discuss the DMV Moves Survey.

Staff met internally to discuss the DMV Moves Survey focusing on survey design and sampling approach.

Staff worked with the on-call contractor (ICF) to revise the draft survey instrument for the DMV Moves Survey.

Staff developed a draft survey instrument for the DMV Moves Survey.

Staff delivered a presentation on developing and implementing regional surveys at a national conference of the Association of Metropolitan Planning Organizations.

Traffic Trends

Staff prepared and delivered a presentation at the May meeting of the TPB Bicycle and Pedestrian Subcommittee on a framework for developing a regional active transportation count program.

Staff developed the summary workbook for 2022 pavement and 2023 bridge data. Staff also created templates for all the charts to visualize bridge and pavement conditions at the jurisdictional level.

Staff finalized the master Bridge feature class using updated information from the 2022 and 2023 NBI and produced 2022 and 2023 bridge attribute tables. Staff finalized the 2021 and 2022 pavement condition feature classes.

Staff provided guidance to others on how to create charts for PBPP and how to identify and map the structurally deficient bridges.

Staff reviewed presentation slides for TPB Technical Committee Meeting and Bike and Pedestrian Subcommittee Meeting and provided comments.

Staff provided the 2022 weekday VMT by jurisdiction to the Systems Performance Planning Program team.

Staff provided guidance on using VMT per capita data at the sub-regional level to Staff from the City of Alexandria.

Staff continued to update traffic-related data for inclusion in the RTDC while creating step-by-step instructions of the processes.

Staff worked to document and train others on various projects for succession planning.

Meetings & Conferences

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

Staff participated in the 2024 AMPO Planning Tools & Training Symposium in Albuquerque, New Mexico. Staff who attended both moderated and delivered feature presentations.

7.2 Data Management and Visualization Services

Staff completed the initial development of the TPB Resources and Applications Page (TRAP) online resource. Staff presented the product to the TPB Technical Committee at the May 3 meeting.

Staff completed the work to migrate the consultant-produced High-Capacity Transit Accessibility Analysis Hub page, including all geospatial content and pages created for this project, to TPB's ArcGIS Online organization.

Staff worked with fellow DTP staff to update datasets and visualization products for bridge and pavement highway asset performance measures. Staff received tabular data from the Planning Research and Assistance team and began transposing the data into the appropriate format for use in visualization products. Staff also provided Systems Performance staff with the performance measure values for highway assets to be used in an upcoming presentation to the TPB Technical Committee. This work is ongoing.

Staff continued to meet with fellow staff to discuss the geospatial data needs and requirements to support Visualize 2050. Staff met with Plan Development and Coordination staff to discuss the existing multimodal system map progress. This work is ongoing.

Staff continued to coordinate with fellow DTP staff on the following consultant projects: Regional Electric Vehicle Infrastructure Implementation (REVII) and HCT Local Transit Analysis Coordination project).

Staff continued to research tools and software, such as the ArcGIS API for Python, to identify and redefine workflows for creating and updating datasets. Staff tested a workflow to automate obtaining electric vehicle (EV) charging station data and publishing a dataset using the API from the Alternative Fuels Data Center (AFDC) website and ModelBuilder in ArcGIS Pro,

Staff continued to perform several updates to geospatial content items in ArcGIS Online and ArcGIS Enterprise to support a more integrated and streamlined relationship between the two products. Tasks include updating content tags and categories, deleting duplicate content, and migrating content to the most proper location based on project and program requirements. This work is an ongoing task of the Planning Data Resources team.

GIS Committee/GDX Working Group

Staff planned and participated in the May 21 GIS Committee/GDX Working Group virtual meeting. Highlights of the meeting included: Updates on CAD2GIS, a demonstration of the DC FEMS Whole Blood Data Integration project, and the regular status reports on Next Gen 9-1-1 and HSEMA Food and Water Resilience Project. The HSEMA Food and Water Resilience Project status report also included a discussion of the work DC has started to do to collect the food assistance data.

Data Requests

Staff responded to a request from the City of Manassas for assistance downloading the Equity Emphasis Areas (EEA) dataset from the Regional Transportation Data Clearinghouse (RTDC).

Staff responded to a request from the Washington Metropolitan Area Transit Authority (WMATA) for the National Capital Trail Network (NCTN) dataset.

Staff helped fellow staff facilitate a data request from WMATA in support of DMVMoves for TPB's existing High-Capacity Transit (HCT) stations and lines datasets.

Staff responded to a question from a consultant regarding Census Transportation Planning Package (CTPP) data available in the RTDC.

Meetings & Conferences

Staff attended an Esri Lunch & Learn 'Automate Geoprocessing Workflows with ModelBuilder' on May 30.

Staff attended the Maryland Department of Transportation (MDOT) Sidewalk Data Collaboration Demonstration meeting on May 23.

Staff attended and participated in the Big Data User Group meeting on May 16.

Staff attended the Travel Forecasting Subcommittee meeting on May 17.

Staff attended the Bicycle and Pedestrian Subcommittee meeting on May 28.

Staff attended the Cooperative Forecasting and Data Subcommittee meeting on May 14.

Staff attended the COG RESF-2 CIO Committee meeting on May 16.

Staff participated in the recurring meeting related to Visualize 2050 planning activities (May 31)

Staff continued to attend the regularly scheduled meetings (and additional meetings as needed) for the Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy project.

Staff continued to attend meetings with the Plan Development and Coordination staff related to Project InfoTrak inputs in support of Visualize 2050, as necessary.

Staff participated in meetings and email exchanges with the Travel Forecasting and Emissions Analysis Program team and their contractor, RSG.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
REGIONAL LAND USE AND TRANSPORTATION PLANNING COORDINATION	\$1,211,231	\$66,522	57%	67

8. REGIONAL LAND USE AND TRANSPORTATION PLANNING COORDINATION COG staff convened the Cooperative Forecasting and Data Subcommittee on May 14th. A presentation was provided by Skylar Olsen, Chief Economist with the Zillow Group “DMV Housing Market Overview” of the Washington region. COG staff also brief the committee on the work of updating the “Suggested Baseline Employment Guidance” memo for year 2022, a June completion is expected. No June meeting is planned.

COG’s Department of Community Services (DCPS) hosted the May 17th Planning Directors Technical Advisory Committee meeting that included a presentation (“Update to HANDS’s Housing Indicator Tool (HIT)” from Courtney Battle, Executive Director, HAND and Leah Hendey, Principal Research Associate with the Urban Institute. Hilary Chapman, Housing Manager with COG provided an overview of COG’s Regional Housing Initiative. COG staff also lead a discussion about a future Joint-Housing Directors and Planning Directors Technical meeting for July. No June meeting is planned.

Staff released the April issue of the Regional Economic Monitoring System (REMS) report that covers the following data points for the month of March 2024: Total Employment, Over-the-Year Inflation Rate, and Unemployment Rate, and New Housing Units Authorized During the Previous 24 Months. Similar data points for other MSAs are also collected for comparison purposes with the Washington MSA but not reported out.

DCPS staff continued with compiling data from the Co-Star database for the future 2023 Commercial Construction and Multi-Family Construction reports planned release in 2024.

COG staff continued work on the Activity Centers Map/Project during the month of May with one schedule “One-on-One Meeting” with Charles County. Other meetings are being planned for June.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS	\$1,135,269	\$68,840	56%	69

9. COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS

9.1 Enhanced Mobility Grant Program

There is no activity to report at this time,

9.2 Regional Roadway Safety Program

Each of the eight (8) FY 2024 approved projects is currently underway with progress as follows:

- **City of Frederick: Jefferson-Patrick Redesign Study** - The consultant developed draft conceptual level designs and cost estimates, for review and discussion.

- **City of Gaithersburg: Local Roadway Safety** - The consultant began drafting the Local Road Safety Plan final report.
- **Montgomery County: Bel Pre Road Safety Improvement Project** - The consultant prepared and delivered draft 30% design plans for review and comment by County staff.
- **City of Rockville: Pedestrian Crossing Guidelines** - The consultant developed and revised pedestrian crossing decision flow charts and context matrices, researched pedestrian crossing practices in other jurisdictions, and developed draft countermeasures for pedestrian crossings.
- **City of Alexandria: Pedestrian Lighting Improvements Study** - City of Alexandria conducted fieldwork on this project.
- **Arlington County: Regionwide, Data-Driven Anti-Drunk Driving Campaign** - The consultant delivered a revised literature review based on comments received from project stakeholders and delivered a draft data analysis for review and comment. A project meeting was held on May 28 during which preliminary recommendations were shared.
- **City of Fairfax: Main Street Corridor Roadway Safety Audit** - The consultant submitted a draft existing conditions memo, RSA report, and alternatives analysis to City staff for review and comment.
- **Prince William County: Darbydale/Forestdale Avenue Corridor Retrofitting Project** - Traffic data for the project area is being gathered by County and VDOT staff.

The projects identified by the program Selection Panel to recommend for funding were presented to and approved by the TPB on May 15. Upon approval, staff began developing statements of work for the six approved projects.

9.3 Transportation Alternatives Set-Aside Program

The application period for the next round of the Maryland Transportation Alternatives Program closed on May 15. MDOT received 11 applications for the Washington metropolitan region, which were forwarded to TPB staff for review. In preparation for the review period, TPB staff lined up a review panel and scheduled two meetings for the panel in June. Staff began a review of the applications, including an analysis of how they serve key regional goals.

9.4 Transportation Land Use Connections Program

Work on all the FY 2024 TLC projects was underway. See below:

- Alexandria - South Pickett Street Corridor Improvements Study - The project team held monthly meeting and exchanged e-mails for data requests. Consultant sent final report at the end of May and rescheduled their June meeting.
- Falls Church - East-West Ped/Bike Connection - The consultant developed a draft report, which was circulated for comments.
- Frederick, City of - East Street Redesign 30% Design - The project team developed draft designs, which were circulated for comments.
- Gaithersburg - SRTS Priority Improvements Study - The project was wrapped up in April.
- Montgomery County - An updated draft of the Task 3 memo, along with an appendix of micro-transit zone profiles, was distributed for county feedback and a draft of the Task 4 memo would be shared soon (early June).
- Prince George's County - Consultant shared with the county the Task 2 memo and Task 3 report summarizing field work for feedback. PGC requested extra time (into June) to review the materials and provide feedback, agreeing to a deadline of June 10.

- Prince William County - Green Infrastructure Study – Consultant sent final report and slide deck to client. Project is effectively complete, barring any edits or comments PWC may request.
- Prince William County - Yorkshire Multimodal Corridor Planning Study – The consultant developed a draft report, which was circulated for comments.
- Rockville, City of - Mannakee Street Complete Streets Feasibility Study – The Consultant Team working with city staff finalized corridor alternatives, conducted an alternative evaluation, and started to prepare a draft final report. The Consultant Team also summarized public feedback collected from the May public meeting.
- Takoma Park - Laurel Avenue Street Closure Traffic Study - The contractor delivered the final Task 4 report on May 29.

Staff began the consultant selection for the 10 new projects for FY 2024 approved by the TPB in April. Staff sent a questionnaire to the list of pre-qualified consultants to gauge their interest in submitting proposals. Staff also held individual meetings with each project recipient to inform about the consultant selection process and other activities related to getting started.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB MANAGEMENT AND SUPPORT	\$1,707,259	\$81,948	56%	71

10. TPB MANAGEMENT AND SUPPORT

Transportation Planning Board Committee 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 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 subcommittees:

- State Technical Working Group (STWG)
- TPB Technical Committee
- TPB Steering Committee
- MWCOG Board meetings
- Transportation Planning Board (TPB)
- MATOC Steering Committee

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- TPB Community Advisory Committee (CAC)
- Access for All (AFA)
- Regional Public Transportation Subcommittee (RPTS)
- Bicycle & Pedestrian Subcommittee
- COG Planning Directors
- TPB Freight Subcommittees
- CAOs Monthly
- System Performance Operation & Technology Subcommittee (SPOTS)

The Staff Director gave overall program management oversight into all the Department's activities. Work activities the Director was involved in during the month of MAY 2024 FY 2024 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 staff to review the progress and briefing materials for the Program Directors and project staff to review the progress and briefing materials.
- Participation in the STWG, TPB Technical, TPB Steering Committee, TPB's Citizen's Advisory Committee and the TPB Board Meetings.

Other added activities for the TPB Staff Director for the month of MAY 2024 FY 2024 includes Telephone / Web Ex / Microsoft Teams Communications:

- COG – WMATA Boards Joint Meeting
- DMVMoves – COG Internal Check-in
- COG-WMATA BOARDS – JOINT MEETING
- COG-WMATA Regional Transit Initiative w/ CAC Chairs
- DMVMoves Project management Meetings
- SS4A Grant Discussion with DDOT
- Client Touchpoint | MWCOC Breakthrough Lab
- TPB Community Leadership Institute – Day 3
- Visualize2050 Virginia Projects / R. Moore – DDOT
- DMV Moves – Govt. Partners Advisory Group Briefing
- Community Partners Advisory Group Briefing
- COG Human Services Policy Committee
- Montgomery County Chamber's Infrastructure & Land Use Committee Mtg. Rockville
- DMV Moves Community Partners Advisory Council / J. McDougle
- COG Climate, Energy, and Environment Policy Committee

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 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	\$2,090,511	\$138,785	28%	73
District of Columbia	\$330,930	\$0	8%	73
Maryland	\$707,967	\$94,165	33%	75
Virginia	\$664,437	\$44,620	48%	77
Regional Transit	\$387,177	\$0	0%	79

11. TECHNICAL ASSISTANCE

11.A District of Columbia

1. Program Development, Data Requests, and Miscellaneous Services

Staff attended the meeting with DDOT staff to discuss the possibility of using FY 2024 UPWP Technical Assistance Program funds to purchase new traffic counters for DDOT's HPMS program.

Staff assigned 40 volume counts, 10 classification counts, and 9 ramp counts using FY2024 UPWP Technical Assistance Program funds as part of an effort to “reset” the DC HPMS counting program to perform a greater number of counts during the more favorable spring season in future.

2. Regional Safety Program

As part of the Regional Safety Program, technical assistance projects were partially funded under the District of Columbia Technical Assistance Program. See the Regional Safety program section of this progress report for more details.

3. Transportation / Land Use Connections Program

Although the FY 2024 UPWP names this subtask for support for the Transportation Land-Use Connections (TLC) Program, no TLC projects are being funded in FY 2024 through this subtask. As a result, this subtask is found in the progress report as a placeholder to align with the UPWP document, however, no activity is expected during FY 2024.

4. Other Tasks to Be Defined

No. Activity.

11.B Maryland

1. Program Development, Data Requests, and Miscellaneous Services

No activity.

2. Project Planning, Feasibility, and Special Studies

No activity.

3. Transportation / Land Use Connections Program

As part of the Transportation Land-Use Connections Program, four technical assistance projects in Maryland were fully or partially funded under this PE number. The projects were completed on time

and within budget by the end of the fiscal year. See TLC item above (9.3) for further details about the TLC Program.

4. Regional Safety Program

As part of the Regional Safety Program, technical assistance projects were partially funded under the Maryland Technical Assistance Program. See the Regional Safety program section of this progress report for more details.

5. Other Tasks to be defined

No activity.

11.C Virginia

1. Program Development, Data Requests, and Miscellaneous Services

No activity.

2. Travel Monitoring and Survey

Staff prepared the Sole Source & Contract Rider Request form to support the payment of Eco Counter subscription renewal and battery replacement for VDOT.

Staff completed the I-66/I-395 Mode Share Study memos and transmittal files based on the feedback from VDOT and NVTC.

Staff completed the I-66 OTB counts memo and transmittal file and shared with VDOT.

Staff provided guidance to the contractor on the 2024 Spring Active Transportation Count dates and shared the count schedule with VDOT.

3. Travel Demand Modeling

No activity.

4. Transportation / Land-Use Connections Program

As part of the Transportation Land-Use Connections Program, three technical aid projects in Virginia were fully or partially funded under this PE number. The projects were completed on time and within budget by the end of the fiscal year. See TLC item above (9.3) for further details about the TLC Program.

5. Regional Safety Program

As part of the Regional Safety Program, technical assistance projects were partially funded under the Virginia Technical Assistance Program. See the Regional Safety program section of this progress report for more details.

6. Other Tasks to be Defined

No activity.

11.D Regional Transit

1. Program Development, Data Requests, and Miscellaneous

No Activity.

2. Transit Within Reach Program

Work on the three FY 2024-2025 projects was underway as follows:

- Gaithersburg to Washington Grove Share-Use Path 30% Design – Consultant developed draft design documents for review.
- DC, 9th Street NW Sidewalk 30% Design – Consultant continued work on 15% design efforts. Subconsultant continued work on drainage analysis. Consultant conducted added field visit to confirm utilities and sidewalk measurements.
- Fairfax County, Prosperity Avenue Road Diet and Protected Bike Lanes 30% Design – Consultant began file setup for the 30% design plans

3. High-Capacity Transit Map

No Activity. This task has been placed on hold until after the next update of the regional long-range transportation plan, *sualize 2050*, which will provide an updated list of High-Capacity Transit Stations that will then be used as the basis for this map product.

4. Other Tasks to be Defined

No activity.

CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM

Program Management

- COG/TPB staff has updated the monthly enplanement data.
- Staff prepared for and supported the May meeting of the Aviation Technical Subcommittee

Conduct and Process 2022/23 Baltimore-Washington Regional Air Passenger Survey (APS)

- Staff completed weighting factors and developed tabulations from the 2023 Regional Air Passenger Survey (APS) for all three airports (BWI, DCA, IAD).
- Staff delivered a briefing on the 2023 APS focusing on general findings from the survey data to the Aviation Technical Subcommittee on May 23.
- Staff continued drafting the report on general findings from the 2023 APS.

Air Cargo Element Update

- Staff conducted research and began drafting the report for the Air Cargo Element Update.

Ground Access Travel Time Study

Staff delivered a briefing on the Ground Access Travel Time Study focusing on how comments and suggestions on the draft report were addressed in the revised version to the Aviation Technical Subcommittee on May 23.

PROGRESS ON PLAN PRODUCTS

Priorities and Planned Activities for FY 2025. The Visualize 2050 National Capital Region Transportation Plan is anticipated to be approved in June 2025. The focus in 2025 is the Air Quality Conformity Analysis, the Plan Performance Analysis, and all the planning elements in the documentation.

- The FY 2026-2029 Transportation Improvement Program will be approved.
- TPB will select projects for funding and/or consultant services for:
 - DC and Maryland Transportation Alternatives Set-Aside Program
 - Transportation and Land Use Connections projects
 - Regional Roadway Safety projects
- TPB will set Performance Based Planning and Programming targets for the following federal categories:
 - Annual Highway Safety Targets
 - Annual Transit Safety Targets
 - Transit Asset targets.
- Projects/products:
 - 2024 Regional Safety Study (enhanced transportation safety data deep dive), March 2025
 - Coordination of climate change mitigation implementation strategies.
 - Create the Regional Transportation Resilience Subcommittee
 - Conduct resilience analysis: interior flooding (hydraulic and hydrologic) analysis; economic analysis of select adaptation scenarios; and closures due to natural hazard data analysis and mapping
 - Update the National Capital Trail Network map
 - Intercity Bus and Rail Travel Study, initiated January 2024
 - Annual State of Public Transportation Report
 - Update COG/TPB's strategic plan for travel demand model development.
 - Implementation of new Regional Travel Survey (RTS) format, transitioning from a "once-a-decade" to a more frequent survey activity
 - Regional coordination of future transit on-board surveys (TOBS)
 - Regional bike/active transportation count program
 - 2024 Congestion Management Process Technical Report

FY 2024 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
May 2024

	DC, MD and VA		BILLED	
	FTA, FHWA and LOCAL	FUNDS	THIS	% FUNDS
	BUDGET TOTAL	EXPENDED	MONTH	EXPENDED
1. Long-Range Transportation Planning				
Long - Range Transportation Planning	1,136,668.51	850,405.14	74,679.23	75%
Subtotal	1,136,668.51	850,405.14	74,679.23	75%
2. Transportation Improvement Program				
Transportation Improvement Program	353,708.82	182,158.88	19,542.93	51%
TIP Database Support	230,000.00	189,212.5	18,921.25	82%
Subtotal	583,708.82	371,371.38	38,464.18	64%
3. Planning Elements				
Congestion Management Process	433,870.74	310,541.84	20,399.71	72%
Systems Performance, Ops & Tech Planning	430,355.33	307,363.05	62,479.38	71%
Transportation Emergency Preparedness Planning	139,196.00	116,045.47	9,172.56	83%
Transportation Safety Planning	407,497.86	128,653.8	23,465.45	32%
Bicycle & Pedestrian Planning	198,851.96	154,049.72	15,506.47	77%
Regional Public Transportation Planning	573,566.35	346,875.76	28,660.29	60%
Freight Planning	396,491.66	144,574.94	10,534.31	36%
Metropolitan Area Transportation Operation Coord Program Planning	171,139.72	91,255.59	5,429.15	53%
Performance-Based Planning & Programming	216,047.96	173,015.48	20,158.12	80%
Resilience Planning	538,120.51	394,472.86	36,144.7	73%
Subtotal	3,505,138.09	2,166,848.51	231,950.14	62%
4. Public Participation				
Public Participation	753,904.21	594,537.87	57,979.82	79%
Subtotal	753,904.21	594,537.87	57,979.82	79%
5. Travel Forecasting				
Network Development	1,173,454.94	837,480.47	84,697.59	71%
Model Development	1,792,902.50	1,190,078.3	107,068.79	66%
Subtotal	2,966,357.44	2,027,558.77	191,766.38	68%
6. Mobile Emissions Planning				
Air Quality Conformity	1,221,950.95	838,225.82	73,604.55	69%
Mobile Emissions Analysis	1,619,061.94	1,017,596.88	91,509.21	63%
Subtotal	2,841,012.89	1,855,822.7	165,113.76	65%
7. Travel Monitoring and Data Programs				
Research & Analysis	2,408,336.48	949,131.31	56,171.51	39%
Data Visualization & Management	886,626.84	444,126.54	41,017.66	50%
Subtotal	3,294,963.32	1,393,257.85	97,189.17	42%
8. Planning Scenarios and Socioeconomic Forecasting				
Socioeconomic Forecasting	1,211,231.11	689,245.48	66,522.74	57%
Subtotal	1,211,231.11	689,245.48	66,522.74	57%
9. Complete Street Mobility and Enhancement Programs				
Transportation and Land Use Connections Program	622,450.01	364,416.93	57,075.05	59%
Enhanced Mobility Grant Program	102,906.87	69,088.12	3,761.47	67%
Transportation Alternatives Set-Aside Programs	32,907.67	44,695.35	0	136%
Regional Roadway Safety Program	377,004.84	161,962.1	6,004.2	43%
Subtotal	1,135,269.39	640,162.5	66,840.72	56%
10. TPB Support and Management				
TPB Support and Management	1,707,259.82	950,693.32	81,948.65	56%
Subtotal	1,707,259.82	950,693.32	81,948.65	56%
Core Program	19,135,513.60	11,539,903.52	1,072,454.79	60%
A. District of Columbia Technical Assistance				
Program Development & Misc.	330,930.20	26,340	0	8%
B. Maryland Technical Assistance				
Program Development & Misc.	707,968.41	233,943.07	94,165.58	33%
C. Virginia Technical Assistance				
Program Development & Misc.	664,437.34	318,129.04	44,620	48%
D. Public Transit Technical Assistance				
Program Development & Misc.	387,176.17	0	0	0%
Technical Assistance	2,090,512.12	578,412.11	138,785.58	28%
TPB Grand Total	21,226,025.72	12,118,315.63	1,211,240.37	57%

FY 2024 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
May 2024
SUPPLEMENT 1

	TOTAL		FTA/STA/LOCAL		PL FUNDS/LOCAL	
	AUTHORIZED	TOTAL	AUTHORIZED	FTA	AUTHORIZED	FHWA
	BUDGET	EXPEDITURES	BUDGET	EXPENDITURES	BUDGET	EXPENDITURES
A. District of Columbia Technical Assistance						
Program Development, Data Requests, & Misc	28,900.00	0.00	2,299.38	0.00	26,600.62	0.00
Regional Roadway Safety Program	14,999.52	0.00	1,193.41	0.00	13,806.11	0.00
Transportation/Land Use Connections Program	30,000.00	26,340.00	2,386.90	2,095.70	27,613.10	24,244.30
TBD	257,030.68	0.00	20,450.22	0.00	236,580.46	0.00
Subtotal	330,930.20	26,340.00	26,329.91	2,095.70	304,600.29	24,244.30
B. Maryland Technical Assistance						
Feasibility/Speacial Studies	25,001.54	0.00	1,989.21	0.00	23,012.33	0.00
Program Development & Misc	14,999.52	0.00	1,193.41	0.00	13,806.11	0.00
Planning Studies	185,000.00	50,050.62	14,719.22	3,982.19	170,280.78	46,068.43
TBD	172,967.35	0.00	13,761.86	0.00	159,205.49	0.00
Transportation Performance Measures	310,000.00	183,892.45	24,664.64	14,631.10	285,335.36	169,261.35
Subtotal	707,968.41	233,943.07	56,328.33	18,613.29	651,640.08	215,329.78
C. Virginia Technical Assistance						
Program Development & Misc	14,999.52	1,188.64	1,193.41	94.57	13,806.11	1,094.07
MARC - VRE Runthrough - VA	185,000.00	24,525.55	14,719.22	1,951.33	170,280.78	22,574.22
Sub Regional Plan Studies	0.00	36.00	0.00	2.86	0.00	33.14
VDOT Raise Grant	17,892.00	17,421.60	1,423.55	1,386.12	16,468.45	16,035.48
Transportation/Land Use Connection Program	185,000.00	83,282.44	14,719.22	6,626.23	170,280.78	76,656.21
Travel Demand Modeling	11,244.96	0.00	894.69	0.00	10,350.27	0.00
Travel Monitoring	250,300.86	191,657.91	19,914.77	15,248.94	230,386.09	176,408.97
VA Other Tasks	0.00	16.90	0.00	1.34	0.00	15.56
Subtotal	664,437.34	318,129.04	52,864.86	25,311.41	611,572.48	292,817.63
D. Public Transportation Technical Assistance						
Program Development & Misc	14,999.52	0.00	14,999.52	0.00	0.00	0.00
Regional HCT Graphic/Map	90,000.00	0.00	90,000.00	0.00	0.00	0.00
TBD	157,176.65	0.00	157,176.65	0.00	0.00	0.00
Transit Within Reach Solicitation	125,000.00	0.00	125,000.00	0.00	0.00	0.00
Subtotal	387,176.17	0.00	387,176.17	0.00	0.00	0.00
Grand Total	2,090,512.12	578,412.11	522,699.27	46,020.40	1,567,812.85	532,391.71