

FY 2024



National Capital Region
Transportation Planning Board

Work Program Progress Report
March 2024

FY 2024

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The TPB approved its FY 2024 Unified Planning Work Program (UPWP) in March 2023. The TPB Work Program Progress Report summarizes each activity for March. 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 | \$81,412 | 62% | 41 |

1. LONG-RANGE TRANSPORTATION PLANNING

Task 1.1 – Visualize 2045 Implementation

Staff presented at the March Technical Committee and TPB meetings sharing on the expansion of the express highway network and BRT/Transitways was being implemented from the Visualize 2045 aspirational initiatives and carrying them forward as priority strategies in Visualize 2050. Staff worked on creating an interactive map of these segments.

Task 1.2 – Environmental Justice and Equity

Staff identified which zip codes were associated with Equity Emphasis Areas and targeted paid advertising to these areas promoting the Spanish-version of the Visualize 2050 MetroQuest comment form on the air quality analysis inputs. Staff reviewed concerns submitted to the TPB about environmental justice concerns.

Task 1.3 – Future Plan Development

This month staff held the public comment period on the draft technical inputs to the air quality conformity analysis to Visualize 2050. Staff updated key materials as needed during the month, prepared for and presented the information to the Technical Committee, the TPB, CAC, and AFA along with a couple other stakeholder groups.

Staff continued coordinating with member agencies on necessary updates to make via the Project InfoTrak database and the AQC Table. Staff marketed the comment opportunity, primarily using paid ads via Facebook. Staff monitored the public engagement results through the month and prepared how results would be summarized post March 30 within a few days in advance of sharing them with the Technical Committee on April 5. Staff reviewed the financial information of project inputs submitted to the PIT database for the Visualize 2050 air quality conformity analysis. Staff assisted with responses to comments received through the public participation process.

Staff held a 2050 team meeting, weekly project and plan development meetings to keep tasks on track. Staff reviewed the master calendar with all staff and made updates to key activities. Staff worked with Clark Communications on creating the process document templates. Staff created a photo log system and began gathering photos for use in the plan. Staff continued reviewing the PIT 2.0 platform for edits needed prior to transitioning all project information. Staff drafted a flowchart showing the relationship between other planning/programming efforts with the Visualize plan.

1.4 – Federal Compliance

Staff worked on the Visualize 2050 process documentation, creating a template with the graphic designer for each TPB subject-matter expert to describe the Visualize 2050 planning process around individual topics in a consistent format to accompany the Self-Certification Statement.

1.5 – Policy Board-Directed Activities

Staff maintained a calendar of key activities and met internally to ensure progress on plan development. This month staff conducted the March comment period on the regionally significant for air quality project inputs and the air quality conformity analysis scope of work, per the TPB's adopted schedule for the Visualize plan update. At the March TPB meeting, the Board requested a presentation and clarification on the MD express lane projects at its next meeting. This month staff began coordinating with MDOT on the April presentation and jointly developed a handout clarifying the MD express lane projects sharing that with Board members at the end of March.

| Task 2 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|------------------------------------|-----------|-------------------|------------------|-----------|
| TRANSPORTATION IMPROVEMENT PROGRAM | \$583,710 | \$21,414 | 48% | 43 |

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1– Transportation Improvement Program (TIP)

On Friday, March 1, the TPB Steering Committee approved two resolutions amending the FY 2023 – 2026 TIP, as requested by the District and Virginia Departments of Transportation (DDOT and VDOT). Each of the amendments were exempt from the air quality conformity requirement.

- TPB SR18-2024 – requested by DDOT to add \$406,087 in National Recreational Trails and District funding to the Galloway Street NE Trail project (T6678).
- TPB SR19-2024 – requested by VDOT on behalf of Virginia Railway Express (VRE), to add \$11.8 million Section 5307 Urban Formula, state, and local matching funds for the VRE Crossroad Yard Expansion project (T13602) in Spotsylvania County..

In March, TPB staff reviewed and approved requests for administrative modifications to 9 project or program records in the FY 2023-2026 TIP. TPB staff continued reviewing projects submitted for the FY 2026-2029 TIP as a part of the conformity inputs for the Visualize 2050 update.

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 March under the baseline maintenance and support contract included fixing a series of report bugs:

- Extra conformity record versions printing on LRTP reports
- TIP Source name issue that confused Congestion Relief Program with the Carbon Reduction Program

EcoInteractive continued ongoing work on developing the platform upgrade for the Project InfoTrak database application. Under an expanded contract for professional services, EcoInteractive developed and refined customizations of the software platform, and performed other specialized tasks. Work underway and completed in March under the professional services contract included reviewing several requests to develop programmatic features that would allow agencies to upload data files for project groupings, and other automations that would prevent users from providing data inputs incorrectly.

| Task 3 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|-------------------|-------------|-------------------|------------------|-----------|
| PLANNING ELEMENTS | \$3,905,138 | \$202,776 | 46% | 45 |

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff prepared a briefing for the March TPB Technical Committee meeting on the Greenhouse Gas (GHG) Emissions performance measure and the staff proposed methodology for measuring performance and setting targets.

Staff collected information for the highway asset and system performance areas of the PBPP process, in support of a mid-period update and for PBPP material to be incorporated into the Visualize 2050 transportation plan.

3.2 Congestion Management Process

The periodic virtual meeting of the Vehicle Probe Data Users Group (VPDUG) was organized and conducted on March 22, 2024, discussing applications of probe vehicle data in VDOT; queue prediction for Maryland's Chesapeake Bay Bridge; and RITIS Trip Analytics for analyzing origins and destination route databases.

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

3.3 Systems Performance, Operations, and Technology Planning

Work began on a regional transportation systems management and operations technology inventory, with consultant assistance.

3.4 Transportation Emergency Preparedness Planning

The regularly scheduled March 13, 2024 Transportation Emergency Preparedness Committee (R-ESF 1) meeting was organized and conducted as an in-person/hybrid meeting at WMATA facilities, discussing current regional transportation emergency preparedness issues.

3.5 Transportation Safety Planning

After reviewing proposals, TPB staff issued a Task Order award to its on-call planning consultant to develop the 2024 Regional Safety Study and began planning for an April kick-off meeting. Staff also reviewed and edited safety performance-related inputs for the Visualize 2050 plan.

Planning sessions were held on March 12 and 21 with the Transportation Safety Subcommittee Chair to identify topics and speakers for future Subcommittee meetings.

3.6. Bicycle and Pedestrian Planning

Staff contributed to the "Think Regionally" podcast on the recently updated National Capital Trail Network that was released in March. The regularly scheduled meeting of the Bicycle and Pedestrian Subcommittee was organized and held on March 19. The Subcommittee was briefed on the TPB resolution adopting the updated National Capital Trail Network, the Alexandria Duke Street project, and the Arlington Trails Dashboard.

3.7 Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met virtually in March. Agenda items included briefings from Anne Arundel County on their transit planning and operations and from DDOT on the Nannie Helen Burroughs Avenue NE bus priority and transit hub projects. TPB staff presented an

update on Visualize 2050, the 2023 State of Public Transportation report, and closed with a request for agency transit on-board survey information.

Staff worked on the 2023 State of Public Transportation Report. Staff prepared letters of endorsement for federal grant applications by member jurisdictions. Staff also reviewed transit projects and information submitted for the Visualize 2050 plan.

Staff briefed the TPB Technical Committee on the conclusion of the Regional High-Capacity Transit Analysis study. Staff commenced the intercity bus and rail travel study with the on-call planning consultants.

Staff attended several meetings on WMATA funding and the monthly JCC meeting. In addition, staff attended the monthly NVTC MAC meeting.

3.8. Freight Planning

The Freight Subcommittee met on March 14, 2024. The meeting agenda included briefings on the freight elements of Arlington County's Commercial Market Resiliency Initiative, the freight concept associated with the Potomac Fast Ferry Study, and proposed changes for the Critical Urban Freight Corridor (CUFC) network in Suburban Maryland.

Staff coordinated and held meetings with the Maryland Department of Transportation (MDOT) to identify recommendations for updating the Critical Urban Freight Corridor (CUFC) network in Suburban Maryland. To finalize the recommendations, staff developed a methodology for identifying key CUFC segments and worked with MDOT staff to gather and analyze relevant data.

Staff developed a preliminary agenda for a Curbside Forum and began developing contracting documents to solicit supplemental event planning support from the TPB's on-call consultant.

3.9 Metropolitan Area Transportation Operations Coordination Program Planning

The regularly scheduled March 12, 2024 meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted, hosted at VDOT offices, discussing coordination for transportation agency response to the winter weather season.

The regularly scheduled March 15 virtual meeting of the MATOC Steering Committee was organized and conducted, discussing communications, coordination, and Traffic Incident Management topics. The regularly scheduled meeting of the MATOC Operations Subcommittee was organized and conducted on March 28, hosted at DDOT offices, discussing regional roadway operations and traffic issues.

3.10 Resiliency Planning

In March, staff efforts in climate resilience and transportation initiatives continued both generally and with regards to the Phase II Transportation Resiliency Study. Resilience Planner continued to hold regular check-in meetings with ICF on the progress of the project. Milestones reached during March were holding meetings with planners who submitted projects to confirm various aspects of their submissions, receiving and reviewing the final draft of the overall TRIP and sending comments to ICF, finalizing the vulnerability assessment report and posting to the TPB website, scheduled and began planning for the final working group meeting which was held on April 15, and began planning the schedule for finalization of the TRIP with review by internal staff, working group, FHWA national and divisional office, TPB technical committee and TPB board (May and June 2024).

Progress on other existing projects continues – staff continues to provide ongoing support for the Prince William County TLC project, assisting with planning for presentations for the upcoming Community Leadership Institute climate change module, attended meetings for NVRC’s MIRR 2.0 transportation implementation chapter, presented to Community Advisory Committee monthly meeting, and continuing 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 continues to serve on the leadership team organizing AMPO’s Environment and Resiliency interest group quarterly online seminar.

| Task 4 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|----------------------|-----------|-------------------|------------------|-----------|
| PUBLIC PARTICIPATION | \$753,904 | \$60,744 | 65% | 53 |

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

Between March 1 and March 30, 2024, the TPB held a public and agency open comment period on the air quality conformity (AQC) inputs to Visualize 2050, which is a subclass of all the transportation projects in the region including projects of regional significance that may impact air quality conformity analysis following requirements in the 1990 Clean Air Act Amendments. The project list is fiscally constrained in that projects can be implemented using revenue sources that are already committed, available, or reasonably expected to be available in the future regardless of their potential funding source. Staff analyzed comments received during the comment period. A total of 893 comments were received via the following methods:

- MetroQuest Comment Form (823)
- Email (48)
- Letter (16)
- In Person at TPB’s March 2024 Meeting (6)

There was predominantly project-related input by the type of project and not by the application of the project type in a particular project location. This indicated that many participants were in favor or against a type of project regardless of where it was being proposed, for example, roadway projects that add capacity for automobiles. Staff developed a report on the input, which was presented to the Technical Committee and to the TPB.

The March meeting of the TPB Community Advisory Committee (CAC) was held virtually and in-person on March 14. The meeting featured a “getting re-acquainted session,” completion of a presentation on the Transportation Resilience Improvement Plan (TRIP), and a briefing in public engagement for the air quality conformity analysis for Visualize 2050.

The Access for All (AFA) Advisory Committee met virtually on March 11. The committee discussed the approved 2023 Enhance Mobility grant awards, Virginia TAP funding for projects, and TPB’s Visualize 2050 public comment period activities.

Staff finished preparations for the new round of the TPB’s Community Leadership Institute (CLI), which will be held in April and May 2024. The CLI is a three-day evening workshop in which community leaders from throughout the region come together to learn how regional transportation planning works.

4.2 Communications

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

Transportation Planning Board approves \$19.5 million in federal funding for a set of transportation alternatives projects in Virginia (March 21, 2024)

Transportation Planning Board kicks off Visualize 2050 comment period (March 7, 2024)

Staff updated pages on the COG website related to transportation including Visualize 2050 publication page, TPB Comment Form, Regional Roadway Safety Program, Transportation Land-Use Connections Program.

Staff shared information about TPB activities via social media:

March Visualize 2050 comment period (7 English and 2 Spanish); Virginia Transportation Set-Aside project approvals, Community Leadership Institute, Transportation Land-Use Connections project examples/application period, COG podcasts on bicycling, Bike to Work Day kick-off, and TPB Board Meeting reminder

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

Visualize 2050 website and communications materials were updated throughout the month of March for the March 1-30, 2024 comment period. Staff posted social media communications for Twitter/X and Facebook in both English and Spanish. Staff coordinated with the Visualize 2050 designer to develop Word templates for the Visualize 2050 process documents.

| Task 5 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|--------------------|-------------|-------------------|------------------|-----------|
| TRAVEL FORECASTING | \$3,442,357 | \$231,148 | 48% | 55 |

5. TRAVEL FORECASTING

5.1 Network Development

Staff released the air quality conformity project input table for a 30-day comment period beginning on March 1. The “conformity table” lists all projects to be coded in the highway and transit networks for the air quality conformity analysis of Visualize 2050, the region’s newest long-range transportation plan. Staff gave presentations on the project inputs to the Transportation Planning Board (TPB), the Technical Committee, the Metropolitan Washington Air Quality Committee Technical Advisory Committee, the Travel Forecasting Subcommittee, the Regional Public Transportation Subcommittee, and the Community Advisory Committee. Staff continued working with implementing agencies to review project input for accuracy.

Staff updated the conformity project input table to reflect the latest projects under the purview of the Baltimore Metropolitan Council (BMC) and the Fredericksburg Area Metropolitan Planning Organization (FAMPO). Projects in counties in the BMC and FAMPO regions are included in the travel demand model area to forecast travel more accurately within the TPB region.

Staff continued preparation of a base transit network, reflecting transit service in October 2023, to use as the foundation for forecast-year transit networks for the air quality conformity analysis of Visualize 2050. The development of the base transit network involves coding about 3,700 routes in

the network. Among them, about 3,400 are coded in General Transit Feed Specification (GTFS) format and about 300 are retrieved from paper schedules or web sites (and are not in GTFS format). In March, staff processed the miss-matched table and created a complete GTFS-based transit network. Staff also conducted QA/QC checks and made corrections to coding errors in the network. The network development is near completion.

Staff reviewed regional transit 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 developed an automated procedure in COGTools that performs Quality Assurance/Quality Control (QA/QC) checks on the network files exported from the Unified Network Database. The procedure is under internal review. This task is currently on hold due to other work priorities.

Staff are in the process of fixing lanes on many DC roads (considering street parking and new sidewalk space added since 2021) for the upcoming 2025 LRTP update (Visualize 2050). This task is currently on hold due to other work priorities.

Staff reviewed and signed off on network revisions that consultant proposed as part of the Gen3 Model calibration and validation work. Staff plan to include these network revisions, where appropriate, in the current network database. This task is currently on hold due to other work priorities.

Staff are 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) meets in odd-numbered months. Staff attended and presented at the March 22 TFS meeting and started preparing meeting highlights. The meeting mainly covered the following topics:

- Model Inputs and Scope of Work for the Air Quality Conformity of Visualize 2050
- Status Report on the COG/TPB Gen3 Travel Model
- Teralytics Studio: Introduction and New Features

Generation 2/Ver. 2.4 Travel Model

Staff developed the Gen2/Ver. 2.4.6 Travel Model, which is to be used for the upcoming 2025 LRTP (Visualize 2050). In March, staff continued to distribute the transmittal package for the model per data requests.

Staff found a minor rounding discrepancy in the Round 10.0 land use data. Staff fixed the issue and updated the land use input files on March 22. Staff examined the effects of this fix on modeling results in a test run and found them to be marginal.

Staff generated exogenous travel demand inputs, including external and through trips, taxi trips, visitor/tourist trips, school trips, and airport passenger trips, based on the Round 10.0 Cooperative Forecasts of land use. Staff also adjusted the exogenous trip tables for the Covid years and the immediately ensuing years to account for the pandemic effects on the special travel markets. Staff conducted two sensitivity tests for the year 2021 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 exogenous travel demand data in a draft technical memorandum, dated March 28, which is currently under review.

Staff implemented a code change in the Gen2 Model that generates the link tables of the loaded networks in CSV format from the .NET network files.

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

No updates.

Generation 3 Travel Model

Regarding the consultant-assisted project to develop the TPB's next-generation travel demand forecasting model, known as the Gen3 Model, which will be an activity-based travel model (ABM) implemented in ActivitySim software:

- As of March 5, staff completed the Gen3 Model Phase 2 Development. Specifically,
 - As of March 4, COG staff uploaded the following Phase 2 documentation to the COG website:
 - Gen3 Model user's guide, dated January 31, 2024,
 - Gen3 Model Phase 2 calibration and validation report, dated February 7, and
 - Gen3 Model Phase 2 sensitivity testing report, dated February 12
 - COG staff reviewed the final pull request (PR) from RSG for the Gen3 Model and approved the PR on March 5. The resulting Gen3 Model was tagged as Version 1.0.0. Gen3 Model, Version 1.0.0, the final deliverable from RSG, marked the completion of the Phase 2 development.
- In March, staff started the Phase 3 development of the Gen3 Model, which will be led by COG with the on-call support from RSG and Baseline Mobility Group (BMG). The Phase 3 development entails the following:
 - Continuing to make updates, including new features, feature enhancements and bugfixes, to the Gen3 Model as needed. In March, specifically,
 - Staff integrated the toll setting process in the Gen3 Model flow and tagged the resulting model as Version 1.0.1. Staff conducted modeling tests and created a technical memorandum, dated March 15, that documents this work.
 - Staff updated the Gen3 Model flow charts, which are now consistent with Version 1.0.1.
 - 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 optimized and extended an existing Python script for processing land use data. The script replicated the output from the existing Cube-based process. This script will be used to generate land use input files for the Gen3 Model.
 - Staff ran the MWCOC Population Synthesizer to generate synthetic population data based on the Round 10.0 land use forecasts. Staff found a software issue and are investigating it.
 - RSG fixed a software issue that staff found in the MWCOC Population Synthesizer software. Staff generated synthetic populations based on the Round 10.0 land use files.

- Based on the synthetic population data, staff conducted school enrollment projection and generated final Gen3 land use input files that contain the school enrollment data.
- Staff will update the network, transit fare, tolls, and CPI files for the Gen3 Model based on the latest information being collected as part of the Visualize 2050 inputs.
- Implementing Sharrow in the Gen3 Model. This task is currently on hold. COG shared the issues found in Sharrow implementation with the ActivitySim consortium. The consortium issued the ActivitySim Phase 9a task orders to address Sharrow and other performance issues in ActivitySim.

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

Staff serviced 12 data requests: Ten requests were for the updated Round 10 land use data. Eight requests were fulfilled using the Round 10 land use data released on February 27, 2024, and two were fulfilled using the Round 10 land use data updated on March 22. Two requests were from VDOT for the Gen2/Ver. 2.4.6 Travel Model and for the loaded-link highway network files for years 2017, 2021, 2023, 2025, 2030, 2040 and 2045 from the Ver. 2.4.6 Travel Model in preparation for Round Six of VDOT's Smart Scale program.

Staff attended ActivitySim Consortium meetings regularly on Tuesdays and Thursdays. Staff also attended the partners-only meeting on March 28.

Staff attended a follow-up meeting with WMATA on March 7 regarding the regional coordination on the upcoming Metrobus Passenger Survey. WMATA made the final decision on March 25: The three additional survey questions requested by COG will be incorporated in their web-based survey.

Staff attended the monthly DTP Big Data User Group meeting on March 21.

Staff responded to an inquiry about ActivitySim from the Roads and Transport Authority (RTA), Dubai, United Arab Emirates on March 14.

Staff continued to conduct daily modeling work on AWS cloud servers and work with IT to resolve issues encountered on the AWS servers. Staff attended the bi-monthly coordination meeting with IT on March 15.

| Task 6 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|---------------------------|-------------|-------------------|------------------|-----------|
| MOBILE EMISSIONS PLANNING | \$2,922,011 | \$214,635 | 53% | 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.

As noted in the Network Development section (above), staff released the air quality conformity project input table for a 30-day comment period beginning on March 1. The "conformity table" lists all projects to be coded in the highway and transit networks for the air quality conformity analysis of Visualize 2050, which is currently in development. Staff gave presentations on the project inputs to the Transportation Planning Board (TPB) (item #10), the Technical Committee (item #6), the Metropolitan Washington Air Quality Committee Technical Advisory Committee (item #3), the Travel Forecasting Subcommittee (item #3), the Regional Public Transportation Subcommittee (item #4), and the Community Advisory Committee (item #6). Staff continued working with implementing agencies to review project inputs for accuracy.

Staff updated the conformity project input table to reflect the latest projects under the purview of the Baltimore Metropolitan Council (BMC) and the Fredericksburg Area Metropolitan Planning Organization (FAMPO). Projects in counties in the BMC and FAMPO regions are included in the travel demand model area to forecast travel more accurately within the TPB region.

In accordance with the TPB consultation procedures, staff forwarded 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. Given that the Metropolitan Washington Air Quality Committee (MWAQC) approved the plan in September 2023, the EPA is now expected to approve the updated 2008 Ozone Maintenance Plan with new MVEBs in the next few months.

Staff reviewed new EPA multi-pollutant emissions standards for model years 2027 and later for light-duty and medium-duty vehicles and provided a summary of the rule to share with the Transportation Planning Board in the Director's Report.

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. The software procurement process was completed in January 2024, 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's point of contact with state air agencies) in February and are conducting tests of the new software in coordination with the vendor.

TPB staff continued to work with DEP staff, member districts, and state air agencies to facilitate various aspects of air quality and climate change planning activities in the region.

Staff began working with the project consultant (ICF) on a study of implementation considerations for on-road transportation 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 merit further discussion, which are the subject of this study (along with some additional strategies). The TPB Technical Committee was briefed on the study status and asked to provide feedback regarding additional strategies for consideration (item #10).

Staff continued to coordinate planning activities with the state departments of transportation related to the Carbon Reduction Program (CRP). This program, recently 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. MDOT staff briefed the TPB Technical Committee on MDOT plans for the CRP (item #7). Furthermore, TPB staff attended coordination meetings with MDOT staff regarding the program ("MDOT MPO Roundtable").

Staff continued to monitor developments related to the Climate Pollution Reduction Grants (CPRG), 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 greenhouse gas reduction strategies. DEP staff led the effort to develop the Priority Climate Action Plan (PCAP) for the Metropolitan Statistical Area with funding from the CPRG. PCAP was submitted to the EPA by the March 1, 2024 deadline. DEP staff provided an update on the project status to MWAQC-TAC (item #4).

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. ICF staff provided a draft final report, which is currently under review.

Staff continue to study the final rule for "National Performance Management Measures; Assessing Performance of the National Highway System, Greenhouse Gas Emissions Measure," announced on November 22, 2023. This new element of the Performance Based Planning and Programming (PBPP) includes planning requirements for the states and MPOs (e.g., setting declining greenhouse gas emissions targets). Staff provided a response to a questionnaire about the measure created by the Association of Metropolitan Planning Organizations (AMPO).

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 in January 2023, TPB staff continued to conduct MOVES model tests using the most recent model version (MOVES4) and evaluate the impacts of new software on both criteria pollutants and GHGs. MOVES4 is now expected to be used in the Visualize 2050 air quality conformity analysis.

Staff continued to monitor developments related to air quality and climate change planning in other parts of the country. Specifically, TPB staff attended the FHWA Every Day Counts (EDC-7) Colorado Summit: Integrating GHG Emissions Considerations into Planning (March 12-13).

| Task 7 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|-------------------------------------|-------------|-------------------|------------------|-----------|
| TRAVEL MONITORING AND DATA PROGRAMS | \$5,344,964 | \$135,647 | 23% | 63 |

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Transportation Research and Analysis

The recruitment of a program manager for travel monitoring and planning assistance was ongoing throughout February.

Staff continued developing the scope for a future Regional Travel Survey.

Staff held an internal meeting to discuss the Transit On-Board Survey.

Staff held an internal meeting with the Commuter Connections staff to discuss upcoming survey efforts.

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.

Traffic Trends

Staff finalized the preparation of the 2022 Regional HPMS file for eventual inclusion in the RTDC.

Staff performed a comparison of annual VMT on various NHS and urbanized roadway groupings since 2017 for input into the greenhouse gas emissions performance measure. This included analyzing the 2022 HPMS highway data available from FHWA and researching data abnormalities.

Staff used the 2021 and 2022 HPMS files to calculate pavement conditions on the National Highway System in the TPB Planning Area for Performance Based Planning and Programming purposes. Staff reported data anomalies to PBPP staff so that the results could be verified with the state DOTs.

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.

Staff updated the spreadsheet of AADT and AAWDT at External Stations through 2022 and provided it to TFEA team members as an input to external data processing for Visualize 2050.

Staff participated in a meeting with fellow TPB staff to discuss the possible use of big data for travel monitoring.

Meetings & Conferences

COG/TPB staff participated in biweekly meetings with the Gen3 Model Development Team.

Staff participated in the NextGen National Household Travel Survey Technical Advisory Committee meetings in Columbus, Ohio.

7.2 Data Management and Visualization Services

Staff completed all additional requested adjustments to the National Capital Trail Network (NCTN) geospatial dataset based on feedback received after the January TPB meeting. Staff worked with DTP's Communications Manager and COG's Office of Communications to coordinate online content of resources related to the NCTN to be ready for the February TPB meeting where the NCTN item received Board approval.

Staff continued to refine the web mapping application of Local Technical Assistance projects (Transportation-Land Use Connections and Regional Roadway Safety Program, Transportation Alternatives Program) based on feedback received. Staff continue to work with Plan Development and Coordination and Systems Performance staff to finalize the application.

Staff updated the Highway Performance Monitor System (HPMS) data available in the Regional Transportation Data Clearinghouse (RTDC) with data to 2021.

Staff continued to develop the next phase of the TPB Resources and Applications Page (TRAP) online resource. Staff began migrating content to the new site, creating new content and adjusting resources to make them discoverable in the new TRAP interface.

Staff met with consultant staff from FourSquare ITP working on the MWCOG High-Capacity Transit Accessibility Analysis to migrate geospatial content created for this project from TPB's ArcGIS Online organization. Staff worked to identify and troubleshoot issues. Staff continue to work with consultant staff to ensure all content (and references to said content) and fully realized in TPB's organizational account. This work is ongoing, and the knowledge gained from this effort will help inform future partnerships with consultants creating online interactive content for TPB.

Staff continued to meet with fellow staff to discuss the geospatial data needs and requirements to support Visualize 2050. This work is ongoing.

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 appropriate location based on project and program requirements. This work is an ongoing task of the Planning Data Resources team.

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 continue to work with Commuter Connections staff to address requests for changes received from pit stop managers for Bike to Work Day (BTWD) pit stop location map that was used on the <https://www.biketoworkmetrodc.org/>. Staff also assisted Commuter Connections staff by providing code to update the inset maps for the individual pit stops on the BTWD website. additional products to support Commuter Connections and other TPB plans and programs.

GIS Committee/GDX Working Group

Staff planned and participated in the March 19 GIS Committee/GDX Working Group virtual meeting. Highlights of the meeting included: Updates on CAD2GIS, a summary of the Food Assistance Geospatial Data Layer Workshop, and the regular status reports on Next Gen 9-1-1 and HSEMA Food and Water Resilience Project. There were 26 people in attendance.

Data Requests

Staff responded to an internal data request from the Plan Development and Coordination staff to perform geospatial analysis comparing the location of the current EEAs against U.S. Zip Codes in the TPB Planning Area.

Meetings & Conferences

- Staff moderated the AMPO Data Interest Group webinar “Data Collection at Not-So-Big MPO” on March 21.
- Staff attended an Esri Lunch & Learn: 3D Visualization, Raster Analysis, and GeoAI on March 28.
- Staff attended the Mayland State Geographic Information Committee (MSGIC) meeting on March 12.
- Staff attended the TPB Freight Subcommittee meeting on March 14.
- Staff attended the Bicycle and Pedestrian Subcommittee meeting on March 19.
- Staff attended and participated in the Big Data User Group meeting on March 21.
- Staff attended the Vehicle Probe Data Users Group (VPDUG) meeting on March 22.
- Staff attended the TPB Regional Public Transportation Subcommittee (RPTS) meeting held on March 26.
- Staff participated in the recurring meeting related to Visualize 2050 planning activities (March 8).
- 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 | \$58,221 | 47% | 67 |

8. REGIONAL LAND USE AND TRANSPORTATION PLANNING COORDINATION

COG Staff did not convene the Cooperative Forecasting and Data Subcommittee in February.

Staff hosted the March 15th Planning Directors Technical Advisory Committee meeting that included a presentation (“Best Practices in Placemaking and the Changing Face of the Retail Experience”) from Gabriela Clark, Partner at LandDesign and Andrew Kabat, Senior Vice-President at Regency Centers. The committee also received a presentation (“COG’s Housing Affordability Planning

Program: Supporting Affordable Housing Near Transit” from Hilary Chapman, Housing Program Manager at COG. Greg Goodwin and John Kent provided an update on the Activity Centers Map/Project status.

Staff continued with one-on-one meetings with COG’s Planning Directors and/or representatives to begin consultation in updating the Regional Activity Centers.

Staff released the February issue of the Regional Economic Monitoring System (REMS) report that covers the following data points for the month of January 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.

Staff completed the 2022 Multi-Family Rental Housing Construction Indicators report and was released on COG’s website in March. Work will start with compiling data from the Co-Star database for the future 2023 Commercial Construction and Multi-Family Construction reports planned release in 2024.

| Task 9 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|---|-------------|-------------------|------------------|-----------|
| COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS | \$1,135,269 | \$39,078 | 38% | 69 |

9. COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS

9.1 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 technical data requests. Project team sent Conceptual Design report to Alexandria and will send Existing Conditions report soon.
- Falls Church - East-West Ped/Bike Connection – The project team presented proposed concepts at a stakeholder meeting.
- Frederick, City of - East Street Redesign 30% Design – The project team continued to develop designs based on input to date.
- Gaithersburg - SRTS Priority Improvements Study – The team prepared a framework for cost estimates and gave their presentation to the Gaithersburg city council. Revisions continued to be made to the final report based on the council’s feedback.
- Montgomery County - Consultant delivered Task 3 memo for county review. Currently finishing Task 4, pending distribution of a survey and incorporation of its results into the Task 4 report.
- Prince George's County - Consultant continued developing recommendations and base maps of bus stops suggested for prioritization.
- Prince William County - Green Infrastructure Study – Project team held monthly status meeting April 1. Task 4 deliverable was submitted and reviewed by Prince William County prior to the April 1 meeting, during which edits were discussed and next steps decided upon. Task 4 memo was submitted by contractor, and project is on-track to be completed on time.

- Prince William County - Yorkshire Multimodal Corridor Planning Study – The project team developed a package of recommendations that were presented to the project working group for review and discussion.
- Rockville, City of - Mannakee Street Complete Streets Feasibility Study – The Consultant continued with the all-way stop control warrant analysis at Carr Avenue and Mannakee Street. Additional work was conducted including an impact analysis and a conversation about design concepts and paving widths. Looking ahead to preparing public meeting materials in April. The TLC team held a check-in meeting on March 21st.
- Takoma Park - Laurel Avenue Street Closure Traffic Study - The contractor worked towards finalizing the scenario analyses, began analyzing potential countermeasures, and began drafting the Task 3 memo.

The FY 2025 deadline for TLC and RRSP applications was March 8. The TPB received 29 applications, which was the largest number ever received in one year – nearly twice as many as last year. Throughout March, staff reviewed the applications, including desktop analysis and site visits. Staff pulled together a selection panel, which met on March 28 and April 2.

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 gathered and analyzed community survey results throughout February and March.
- Montgomery County: Bel Pre Road Safety Improvement Project - The consultant and Montgomery County staff reviewed public comments received through a survey and discussed strategies to manage access at Layhill Shopping Center.
- 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 staff are gathering GIS information for the consultant's analysis.
- Arlington County: Regionwide, Data-Driven Anti-Drunk Driving Campaign –The consultant delivered a draft literature review about existing anti-drunk driving campaign strategies for the County to review.
- City of Fairfax: Main Street Corridor Roadway Safety Audit – The consultant distributed and updated based on feedback from a field review packet for safety audit participants. The road safety audit was conducted on March 14th.
- Prince William County: Darbydale/Forestdale Avenue Corridor Retrofitting Project – Traffic data for the project area is being gathered by County and VDOT staff.

The application period for the FY 2025 RRSP round closed on March 8, and staff began analysis of the submittals and conducted project site visits in preparation for a Selection Panel meeting in April.

9.3 Transportation Alternatives Set-Aside Program

Staff wrapped up the application project selection process for the TAP program in Virginia, which is on a two-year cycle. Staff convened a selection panel at the end of February that identified 15 projects to recommend for funding. Staff presented the panel's recommendations to the Technical Committee and the Access for All Committee in March. At the TPB's March meeting, the board

approval the recommendations. Throughout March, staff worked with the CTP Northern Virginia District members and with VDOT to ensure coordination of the funding allocations.

Staff announced the upcoming application period for TAP in Maryland, which will be between April 1 and May 15.

| Task 10 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|----------------------------|-------------|-------------------|------------------|-----------|
| TPB MANAGEMENT AND SUPPORT | \$1,707,259 | \$95,447 | 46% | 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
- 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 March 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 additional activities for the TPB Staff Director for the month of March 2024 FY 2024 includes Telephone / Web Ex / Microsoft Teams Communications:

- VA's Funding Plans
- Kanti meeting w/ R. Puentes @ ENO
- DMVMoves project meetings with WMATA
- Phone call with VDOT and NVTa
- Planning Directors Meeting
- REVII Strategies w/DTP Staff
- DMVMoves Survey w/TPB Staff
- RFC Planning Discussion w/ COG-DCPS staff
- Region Forward Coalition meeting

UPWP

The UPWP activities include:

- Supervise the preparation, negotiation, and approval of the annual work program and budget.
- involving the State Transportation Agencies, the TPB Technical Committee, the TPB 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 | \$2,215,511 | \$3,122 | 8% | 73 |
| District of Columbia | \$330,930 | \$0 | 0% | 73 |
| Maryland | \$707,967 | \$0 | 0% | 75 |
| Virginia | \$664,437 | \$3,122 | 14% | 77 |
| Regional Transit | \$512,177 | \$0 | 0% | 79 |

11. TECHNICAL ASSISTANCE

11.A District of Columbia

1. Program Development, Data Requests, and Miscellaneous Services

No. Activity.

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 Regional Safety program section of this progress report for more details.

3. Transportation / Land Use Connections Program

Although the FY 2024 UPWP identifies 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 identified in the progress report as a placeholder to align with the UPWP document, however, no activity is anticipated during FY 2024.

4. Other Tasks to Be Defined

No. Activity.

11.B Maryland

11.B.3. Maryland Technical Assistance (TLC 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.

11.C Virginia

1. Program Development, Data Requests, and Miscellaneous Services

No activity.

2. Travel Monitoring and Survey

Staff finalized the memos and transmittal files for the VDOT I-66/I-395 Mode Share Study and the I-66 outside the Beltway counts and shared them with VDOT and NVTA staff for their review and comment.

Staff drafted the task order for the Spring 2024 active transportation counts and delivered it to the consultant for a cost estimate.

3. Travel Demand Modeling

No activity.

4. 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 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 Transit1. 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 continued data collection activity, including investigation of existing and planned utilities.
- DC, 9th Street NW Sidewalk 30% Design – Consultant and jurisdiction completed a site visit and completed existing conditions and survey needs for the project.
- Fairfax County, Prosperity Avenue Road Diet and Protected Bike Lanes 30% Design – Consultant developed existing conditions corridor base mapping.

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, *Visualize 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 PROGRAMProgram Management

- COG/TPB staff has updated the monthly enplanement data.
- COG/TPB received resolution approval from the COG Board authorizing COG to conduct Phase 39 of the CASP Program on March 13.
- The Aviation Technical Subcommittee held its regular meeting on March 28, 2024

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

- COG/TPB staff developed weighting factors from the 2023 APS full-scale survey for all three airports (BWI, DCA, IAD).
- COG/TPB staff conducted an internal investigation of the 2023 APS data as part of developing the weighting factors and worked with the contractor to resolve the issue of some missing ID values.
- COG/TPB staff delivered an update on the data processing activities of the 2023 APS to the Aviation Technical Subcommittee on March 28.

Air Cargo Element Update

- COG/TPB staff developed the scope of work for the Air Cargo Element Update.
- COG/TPB staff delivered a briefing on the air cargo element update focusing on the scope of work and timeline to the Aviation Technical Subcommittee on March 28.

Ground Access Travel Time Study

COG/TPB staff delivered a briefing on the Ground Access Travel Time Study including extensive findings from the study that assessed ground access travel to and between the three airports (BWI, DCA, IAD) to the TPB Technical Committee on March 1.

PROGRESS ON PLAN PRODUCTS**PRIORITIES AND PLANNED ACTIVITIES FOR FY 2024.**

- 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 including all of 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
March 2024

| | DC, MD and VA | | BILLED | |
|---|----------------------|---------------------|---------------------|------------------|
| | FTA, FHWA and LOCAL | | THIS | |
| | BUDGET TOTAL | EXPENDED | MONTH | % FUNDS EXPENDED |
| 1. Long-Range Transportation Planning | | | | |
| Long - Range Transportation Planning | 1,136,668.51 | 705,729.33 | 81,412.29 | 62% |
| Subtotal | 1,136,668.51 | 705,729.33 | 81,412.29 | 62% |
| 2. Transportation Improvement Program | | | | |
| Transportation Improvement Program | 353,708.82 | 147,517.66 | 21,414.56 | 42% |
| TIP Database Support | 230,000.00 | 132,448.75 | 0 | 58% |
| Subtotal | 583,708.82 | 279,966.41 | 21,414.56 | 48% |
| 3. Planning Elements | | | | |
| Congestion Management Process | 833,870.74 | 285,708.67 | 32,689.97 | 34% |
| Systems Performance, Ops & Tech Planning | 430,355.33 | 232,264.24 | 21,737.58 | 54% |
| Transportation Emergency Preparedness Planning | 139,196.00 | 99,123.18 | 10,363.31 | 71% |
| Transportation Safety Planning | 407,497.86 | 95,935.28 | 12,656.5 | 24% |
| Bicycle & Pedestrian Planning | 198,851.96 | 127,909.44 | 18,871.26 | 64% |
| Regional Public Transportation Planning | 573,566.35 | 284,249.41 | 29,438.11 | 50% |
| Freight Planning | 396,491.66 | 124,111.82 | 16,685.21 | 31% |
| Metropolitan Area Transportation Operation Coord Program Planning | 171,139.72 | 82,049.94 | 6,790.8 | 48% |
| Performance-Based Planning & Programming | 216,047.96 | 137,585.8 | 27,053.96 | 64% |
| Resilience Planning | 538,120.51 | 323,521.25 | 26,490.27 | 60% |
| Subtotal | 3,905,138.09 | 1,792,459.03 | 202,776.97 | 46% |
| 4. Public Participation | | | | |
| Public Participation | 753,904.21 | 490,986.72 | 60,744.79 | 65% |
| Subtotal | 753,904.21 | 490,986.72 | 60,744.79 | 65% |
| 5. Travel Forecasting | | | | |
| Network Development | 1,173,454.94 | 696,089.06 | 106,839.02 | 59% |
| Model Development | 2,268,902.50 | 973,138.59 | 124,309.52 | 43% |
| Subtotal | 3,442,357.44 | 1,669,227.65 | 231,148.54 | 48% |
| 6. Mobile Emissions Planning | | | | |
| Air Quality Conformity | 1,221,950.95 | 714,348.92 | 99,173.69 | 58% |
| Mobile Emissions Analysis | 1,700,061.94 | 837,804.08 | 115,461.72 | 49% |
| Subtotal | 2,922,012.89 | 1,552,153 | 214,635.41 | 53% |
| 7. Travel Monitoring and Data Programs | | | | |
| Research & Analysis | 4,458,336.48 | 846,339.46 | 85,158.77 | 19% |
| Data Visualization & Management | 886,626.84 | 375,872.13 | 50,488.61 | 42% |
| Subtotal | 5,344,963.32 | 1,222,211.59 | 135,647.38 | 23% |
| 8. Planning Scenarios and Socioeconomic Forecasting | | | | |
| Socioeconomic Forecasting | 1,211,231.11 | 572,619.41 | 58,221.56 | 47% |
| Subtotal | 1,211,231.11 | 572,619.41 | 58,221.56 | 47% |
| 9. Complete Street Mobility and Enhancement Programs | | | | |
| Transportation and Land Use Connections Program | 622,450.01 | 257,374.33 | 26,374.03 | 41% |
| Enhanced Mobility Grant Program | 97,904.69 | 62,799.88 | 4,160.39 | 64% |
| Transportation Alternatives Set-Aside Programs | 37,912.20 | 41,735.75 | 4,809.3 | 110% |
| Regional Roadway Safety Program | 377,004.84 | 65,330.62 | 3,734.97 | 17% |
| Subtotal | 1,135,271.74 | 427,240.58 | 39,078.69 | 38% |
| 10. TPB Support and Management | | | | |
| TPB Support and Management | 1,707,259.82 | 778,608.96 | 95,447.26 | 46% |
| Subtotal | 1,707,259.82 | 778,608.96 | 95,447.26 | 46% |
| Core Program | 22,142,515.95 | 9,491,202.68 | 1,140,527.45 | 43% |
| A. District of Columbia Technical Assistance | | | | |
| Program Development & Misc. | 330,931.43 | 9,780 | 0 | 3% |
| B. Maryland Technical Assistance | | | | |
| Program Development & Misc. | 707,968.41 | 65,873.49 | 0 | 9% |
| C. Virginia Technical Assistance | | | | |
| Program Development & Misc. | 664,437.34 | 93,657.47 | 3,122.29 | 14% |
| D. Public Transit Technical Assistance | | | | |
| Program Development & Misc. | 512,176.17 | 0 | 0 | 0% |
| Technical Assistance | 2,215,513.35 | 169,310.96 | 3,122.29 | 8% |
| TPB Grand Total | 24,358,029.30 | 9,660,513.64 | 1,143,649.74 | 40% |

FY 2024 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE

March 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 | 14,999.52 | 0.00 | 442.54 | 0.00 | 14,556.98 | 0.00 |
| Regional Roadway Safety Program | 30,000.00 | 9,780.00 | 885.11 | 288.55 | 29,114.89 | 9,491.45 |
| Transportation/Land Use Connections Program | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TBD | 285,931.91 | 0.00 | 8,436.07 | 0.00 | 277,495.84 | 0.00 |
| Subtotal | 330,931.43 | 9,780.00 | 9,763.73 | 288.55 | 321,167.70 | 9,491.45 |
| B. Maryland Technical Assistance | | | | | | |
| Feasibility/Special Studies | 25,001.54 | 0.00 | 737.64 | 0.00 | 24,263.90 | 0.00 |
| Program Development & Misc | 14,999.52 | 0.00 | 442.54 | 0.00 | 14,556.98 | 0.00 |
| Planning Studies | 185,000.00 | 4,205.45 | 5,458.20 | 124.08 | 179,541.80 | 4,081.37 |
| TBD | 172,967.35 | 0.00 | 5,103.19 | 0.00 | 167,864.16 | 0.00 |
| Transportation Performance Measures | 310,000.00 | 61,668.04 | 9,146.17 | 1,819.44 | 300,853.83 | 59,848.60 |
| Subtotal | 707,968.41 | 65,873.49 | 20,887.75 | 1,943.52 | 687,080.66 | 63,929.97 |
| C. Virginia Technical Assistance | | | | | | |
| Program Development & Misc | 14,999.52 | 792.75 | 442.54 | 23.39 | 14,556.98 | 769.36 |
| MARC - VRE Runthrough - VA | 185,000.00 | 0.00 | 5,458.20 | 0.00 | 179,541.80 | 0.00 |
| Sub Regional Plan Studies | 0.00 | 36.00 | 0.00 | 1.06 | 0.00 | 34.94 |
| VDOT Raise Grant | 17,892.00 | 15,299.78 | 527.88 | 451.40 | 17,364.12 | 14,848.38 |
| Transportation/Land Use Connection Program | 185,000.00 | 18,750.00 | 5,458.20 | 553.20 | 179,541.80 | 18,196.80 |
| Travel Demand Modeling | 11,244.96 | 0.00 | 331.77 | 0.00 | 10,913.19 | 0.00 |
| Travel Monitoring | 250,300.86 | 58,762.04 | 7,384.82 | 1,733.70 | 242,916.04 | 57,028.34 |
| VA Other Tasks | 0.00 | 16.90 | 0.00 | 0.50 | 0.00 | 16.40 |
| Subtotal | 664,437.34 | 93,657.47 | 19,603.41 | 2,763.25 | 644,833.93 | 90,894.22 |
| 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 | 250,000.00 | 0.00 | 250,000.00 | 0.00 | 0.00 | 0.00 |
| Subtotal | 512,176.17 | 0.00 | 512,176.17 | 0.00 | 0.00 | 0.00 |
| Grand Total | 2,215,513.35 | 169,310.96 | 562,431.06 | 4,995.31 | 1,653,082.29 | 164,315.65 |