

FY 2019



National Capital Region
Transportation Planning Board

Work Program Progress Report

JULY & AUGUST 2018

FY2019

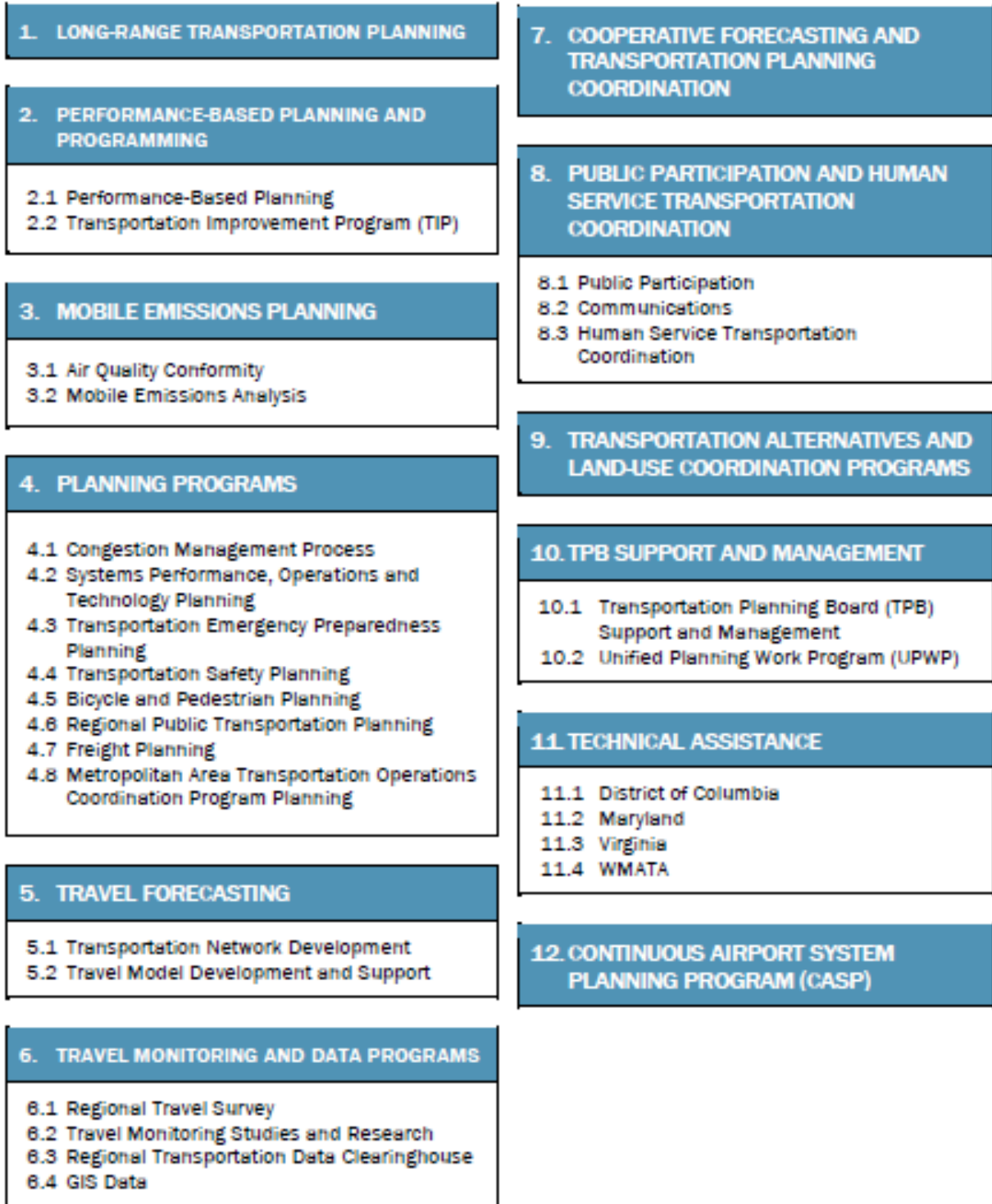
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The TPB approved its FY 2019 Unified Planning Work Program (UPWP) in March 2018. The TPB Work Program Progress Report provides a short summary of each activity for the month of September. Please reference the 2019 UPWP for details concerning the approved budget and work description for each task. The following graphic identifies all the activities in the UPWP.



| Task 1 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|------------------------------------|-------------|-------------------|------------------|-----------|
| LONG RANGE TRANSPORTATION PLANNING | \$1,049,855 | \$127,303 | 12% | 27 |

1. LONG-RANGE TRANSPORTATION PLANNING

Staff finalized activities for Visualize 2045, the 2018 quadrennial long-range plan update. Staff finalized content for all the chapters that will be included in the document, including text on background and policy; the aspirational element; the financially constrained element; the financial plan; additional elements; and plan development and public involvement. Staff developed website documentation, including interactive maps on the plan. Staff conducted performance analysis of the plan and prepared a PowerPoint presentation on that content, which will be used to develop text for the final plan.

Staff worked with a consultant on the design of the document. A draft layout with sample chapters was released to the Technical Committee in July. A draft version of the plan was prepared for release in October to the TPB and its committees.

Staff conducted various activities in preparation for the release of the plan for public comment on September 7, including preparing web documentation, public comment pages, documentation of the plan in draft publication format, and presentations on the draft, which will be made to the TPB, Technical Committee, and other groups, in September.

The draft financial analysis of the constrained element of the Visualize 2045 plan was presented to the TPB Technical Committee at their July meeting, incorporating assumptions on the new dedicated funding for WMATA. Comments were received and revisions were made to the analysis, including a memo summarizing the changes made distributed to the State Technical Working Group. With no further comments, the revised financial plan documentation was prepared for inclusion in the Visualize 2045 long-range plan.

| Task 2 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|--|-----------|-------------------|------------------|-----------|
| PERFORMANCE-BASED PLANNING AND PROGRAMMING | \$701,890 | \$85,411 | 12% | 29 |

2. PERFORMANCE-BASED PLANNING AND PROGRAMMING

2.1. Performance-Based Planning

Final reports on the travel time reliability and highway asset performance measures and targets were provided to the July TPB Technical Committee meeting; the TPB adopted targets for the measures at its July TPB meeting. Staff prepared documentation on performance-based planning for the Visualize 2045 long range plan.

An MPO CMAQ Performance Plan was drafted and distributed to the State DOTs for comment. Comments were received, and a revised plan distributed for a second round of comments. TPB staff also prepared draft responses for inclusion with the required baseline performance reports to be submitted by the State DOTs.

Individual copies of the PBPP Letter of Agreement for formal documentation of performance-based planning and programming responsibilities were distributed to local jurisdictions and transit agencies for signature.

Staff reviewed the new Transit Safety rulemaking, published July 19, and participated in FTA webinars on it.

2.2. Transportation Improvement Program (TIP)

At its meeting on July 12, the TPB Steering Committee approved three resolutions to amend the FY 2017-2022 TIP. The first amendment was to update funding for 22 projects in the District of Columbia, 16 projects in Maryland, and 30 projects in Virginia, as requested by Eastern Federal Lands Highway Division of the Federal Highway Administration. Requested by WMATA, the second amendment was to include funding for the Facilities Maintenance Support project grouping. The third amendment was requested by VDOT to include for the Northstar Boulevard Extension project.

TPB staff processed administrative modifications for 19 projects as requested by DDOT, MDOT, and WMATA.

TPB staff hosted a Public Forum on the FY 2019-2024 TIP on July 12 in conjunction with the Citizens Advisory Committee meeting. The forum was advertised via email and social media and was featured in a TPB News article on July 10. The forum was attended by 15 people and was also broadcast on Facebook Live.

TPB staff finalized and issued a request for proposals for the Visualize 2045 Database Project which would include an upgrade to the current iTIP database for TIP records. The RFP was issued on July 3, 2018. A Technical Selection Committee reviewed the four proposals that were received and scored. Selection has been postponed until TPB staff clarifies some questions with the preferred vendor.

A draft of the FY 2019-2024 TIP was produced, including project tables with over 300 records, a reorganized introduction, a financial plan, and a PBPP analysis section.

| Task 3 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|---------------------------|-------------|-------------------|------------------|-----------|
| MOBILE EMISSIONS PLANNING | \$1,887,121 | \$224,712 | 12% | 33 |

3. MOBILE EMISSIONS PLANNING

3.1. Air Quality Conformity

On July 10, the MWAQC TAC staff briefed on the adopted Performance Based Planning and Programming (PBPP) regional reduction targets for CMAQ emissions and traffic congestion (Item 5). These targets were approved by the TPB on June 20 (R19-2018).

On July 20, staff provided a briefing to the Travel Forecasting Subcommittee (TFS) on the current disposition of the Air Quality Conformity (AQC) analysis of Visualize 2045. Staff anticipates the conformity analysis (including inputs, methods and findings) will be adopted by the TPB in October. The release of the adopted travel model and inputs will be made available in December.

Staff forwarded June meeting agenda items relating to the Visualize 2045 AQC analysis to all relevant agencies and public advisory committees in accordance with standard consultation procedures.

Staff completed the travel demand and mobile emissions modeling for the final (2040 and 2045) analysis years of the Visualize 2045. Evaluation of the results have been completed and shared with DEP staff for their review.

Staff participated in cross-team coordination meetings to formulate and refine the Visualize 2045 “rollout” and the CMAQ Performance Plan. Staff participated in a review of proposals for the consultant selection supporting an update to the iTIP database.

Staff prepared preliminary appendices of the final conformity report including the TERMS analysis and technical summaries of the mobile emissions (MOVES) modeling inputs. Work on the standard elements of the report (graphs, tables, and charts) have been developed. Staff has begun the developing the presentation of the Visualize 2045 conformity analysis for the September TPB Technical Committee meeting.

3.2. Mobile Emissions Analysis

At the July 10 MWAQC TAC meeting, DEP staff briefed the committee on the most recent air quality monitor readings pertaining to ozone emissions (Item 2). As per the ongoing COG/DEP “What Can We Do” initiative, the committee was briefed on the feedback provided received at the June 21 workshop/meeting regarding high priority NOx control measures (Item 3). The committee also discussed the draft MWAQC letter commenting on EPA’s proposed rule on strengthening transparency in regulatory science (Item 4).

On July 25, MWAQC was briefed on the “What Can We Do” the June 21 work session proceedings and discussed the next steps (Item 2). MWAQC also approved the MWAQC TAC comment letter to the U.S. EPA that highlighted potential issues that could result from the EPA’s proposed rule to strengthen transparency in regulatory science (Item 3).

DTP staff undertook some sensitivity testing for DEP staff to assess the impact of specific transportation control measures identified in the “What Can We Do” effort. DEP will document these results in their project reporting.

DEP staff’s oversight of DTP staff’s mobile emissions modeling files is a standard practice. DEP staff reviewed MOVES2014a inputs and outputs for six analysis years studied for the Visualize 2045 analysis. Two sets of MOVES2014a files were reviewed for the ozone season day analysis – one for the 1997 ozone NAAQS and the other for the 2008 ozone NAAQS. (At the outset of the Visualize 2045 analysis, it was not clear which standard would be in effect). Staff also reviewed one set of MOVES2014a files for developing annual GHG emissions for the six analysis years.

DEP staff assisted DTP staff with documenting the non-transportation MOVES2014a inputs (meteorological, fuel, and inspection/maintenance programs) used for each analysis year. This information will be included in the Visualize 2045 conformity report.

Staff attended the CEEPC training session on ICLEI’s new tool, Drivers of Change for Local Greenhouse Gas Emissions (July 25).

Staff attended the 2018 Northern Transportation and Air Quality Summit in Newark, NJ on August 7-8.

Staff attended the Transportation & Climate Initiative (TCI) Listening Session on August 27 on low-carbon transportation policy prospects in the region.

Staff attended (via phone) the Maryland Commission for Climate Change’s Mitigation Working Group meeting on August 30.

Staff participated in the 2018 TRB Transportation and Air Quality Committee (ADC20) Summer meeting.

Staff conducted additional testing and analysis of updated (December 2016) vehicle registration data from the District of Columbia.

| Task 4 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|-------------------|-------------|-------------------|------------------|-----------|
| PLANNING PROGRAMS | \$1,859,037 | \$247,663 | 13% | 35 |

4. PLANNING PROGRAMS

4.1. Congestion Management Process

The draft 2018 CMP Technical Report was presented to the TPB Technical Committee on July 6, 2018, the Commuter Connections Subcommittee on July 17, the Travel Forecasting Subcommittee on July 20, and the Systems Performance, Operations, and Technology Subcommittee (SPOTS) on August 2, toward finalization in September.

The draft of the 2018 Congestion Management Process Technical Report was compiled into a single document toward finalization in September.

4.2. Systems Performance, Operations and Technology Planning

A regularly scheduled Systems Performance, Operations, and Technology Subcommittee (SPOTS) meeting was held on August 2. The following agenda items were discussed: the 2019 UPWP elements under the Subcommittee’s oversight; the TPB’s Seven Endorsed Initiatives and potential implementation strategies; review of the 2018 CMP Technical Report; and the MDOT-SHA TSM&O Strategic Plan.

The COG Traffic Incident Management Enhancement (TIME) Task Force meeting was held August 7. The following agenda items were discussed: advising development of findings and recommendations toward a November 2018 report to the COG Board and TPB; proposals for an ongoing Traffic Incident Management committee; and Woodrow Wilson Bridge June 20 major incident after-action considerations.

Staff participated on the I-95 Corridor Coalition Volume and Turning Movement Count steering committee meeting on July 16. Staff had multiple calls with the TIME Task Force Co-Chairs to discuss agenda and progress on the initiative. Staff attended the CHART Board preparatory meeting on July 27. Staff participated in the MDOT-SHA Connected/Autonomous Vehicle (CAV) working group meeting on August 9. Participated in the TIM self-assessment conducted by the Traffic Incident Management for Baltimore Region (TIMBR) committee on August 22.

4.3. Transportation Emergency Preparedness Planning

A regularly scheduled Regional Emergency Support Function #1 Transportation Emergency Preparedness Committee (R-ESF 1) meeting was held on July 11 as a conference call. The following agenda items were discussed: updates by representatives to various advisory groups and working groups under the emergency support function umbrella; and training activities in the region.

A regularly scheduled Regional Emergency Support Function #1 Transportation Emergency Preparedness Committee (R-ESF 1) meeting was held on August 8. The following agenda items were discussed: Alexandria Fire Department staff presentation on the June 20 Woodrow Wilson Bridge major traffic incident and lessons learned; the COG Emergency Management Mutual Aid Operational Plan and the need to update it; the NOVA intelligence fusion center and how to improve communication between the transportation operations and intelligence community; updates by the representatives to various advisory groups and working groups under the emergency support function umbrella; and training activities in the region.

4.4. Transportation Safety Planning

Staff coordinated with highway safety officials in Maryland, Virginia, and the District of Columbia to better understand their respective highway safety target setting methodologies.

Staff completed a draft of the Visualize 2045 Safety Appendix.

Staff developed a safety section for the Visualize 2045 Self Certification document.

Staff refined and added detail to a draft proposal for a potential consultant-led study to discover the factors behind the safety outcomes observed across the region and to identify ways to improve outcomes.

Draft text of the Safety Element section of Visualize 2045 was developed.

4.5 Bicycle and Pedestrian Planning

Staff distributed a survey to the Subcommittee on actions the TPB could take to advance the implementation of the National Capital Trail.

A regularly scheduled Bicycle and Pedestrian Subcommittee meeting was held on July 10. The following agenda items were discussed: results of the survey and proposed additional actions to be presented to the TPB; Montgomery County's new Bicycle and Pedestrian Plan; draft regional GIS map of bicycle and pedestrian projects; and Travel Trends in the Washington region.

A staff conference call with the Capital Trails Coalition on July 13 to discuss the Subcommittee's recommendation to create a regional long-distance trails plan beyond the proposed National Capital Trail.

As part of regional and long-distance trails planning, attended a meeting of the Maryland State Pedestrian/Bicycle Emphasis Area Team at the Baltimore Metropolitan Council on July 26, and a meeting of the Maryland Bicycle Master Plan Technical Advisory Group on August 16.

Shared copies of the draft regional map of bicycle and pedestrian projects with the agency contacts at agencies which still have significant incomplete information or corrections.

Staff distributed information/updates to the Dockless Bikeshare work group when appropriate. Staff responded to questions from TPB member agencies on dockless bike share and e-bikes.

4.6 Regional Public Transportation Planning

Staff planned for, convened, and documented a meeting of the Regional Public Transportation Subcommittee on July 24. Agenda topics included: WMATA bus data, regional bus data, and a roundtable discussion of the TPB Endorsed Initiatives.

Staff met with consultants under contract to WMATA for the Bus Transformation Project study. Staff attended a DDOT Bus Lanes and Zones Automated Enforcement Study meeting, the August monthly WMATA JCC meeting. Staff and consultants continued work on the TIGER Grant projects performance reports.

4.7. Freight Planning

A regularly scheduled Freight Subcommittee meeting was held on July 12. The following agenda items were discussed: Driving Innovation – Walmart's Application of Technology Creates a True End-to-End Supply Chain; VDOT Freight Program Update; TPB Endorsed Initiatives – Roundtable Discussion; Visualize 2045 Freight Element; and Roundtable Discussion.

Staff conducted outreach to potential speakers and developed an initial draft agenda for the September Freight Subcommittee meeting.

Staff participated in the initial meeting of AMPO's Freight Working Group on July 24.

Staff added additional language on effects of the growth of e-commerce on urban truck traffic to the Visualize 2045 Freight Element based on feedback from a Freight Subcommittee member.

Staff developed the freight section for the Visualize 2045 Self Certification document.

Staff provided information on the District's inbound food supply to staff at the District of Columbia's Homeland Security and Emergency Management Agency (DC HSEMA). The FHWA's Freight Analysis Framework dataset was used for the analysis.

Staff researched current industry practices related to "hybrid reefer motors" that enable truck drivers to "plug in" their trailer refrigeration units when making deliveries to reduce diesel emissions. This was in response to a request from Department of Environmental Programs staff.

4.8. MATOC

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

A regularly scheduled MATOC Steering Committee meeting was held on August 3. The following agenda items were discussed: status of the Regional Integrated Transportation Information System (RITIS); status of the COG Traffic Incident Management Enhancement (TIME) Initiative; Woodrow Wilson Bridge June 20 major incident after-action considerations; updates from MATOC subcommittees and working groups; outcomes of the June 20 MATOC Regional Traffic Incident Management Tabletop Exercise; and the MATOC Facilitator's operations report.

A special MATOC Steering Committee after-action workshop regarding the June 20 Woodrow Wilson Bridge major incident was held on August 23, convening numerous operations personnel to discuss that incident's actions and lessons learned.

Staff conducted continuing coordination with the University of Maryland Center for Advanced Transportation Technology, which is contracted by MATOC Steering Committee members to execute the MATOC Program.

| Task 5 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|--------------------|-------------|-------------------|------------------|-----------|
| TRAVEL FORECASTING | \$2,754,091 | \$ | % | 43 |

5. TRAVEL FORECASTING

5.1. Network Development

Staff implemented refinements to the multi-year transportation system database used to update maintain regional "Plan" network inputs to the travel demand model. Staff developed automated procedures to permit quality control checks and standard reporting of the base-year transit network. Documentation on this activity has begun. Maintenance and refinement activities to the database have been ongoing during July and August.

In support of the ongoing Ver. 2.5 travel model developmental, staff produced transportation networks in Public Transport (PT) format for the years 2021, 2030, and 2045. These networks will be used to evaluate the model's reasonableness in producing forecast-year results. Staff is working to ensure that transportation network inputs, which exported from the multi-year network database, are properly compliant with updated formatting requirements of the Version 2.5 model.

5.2. Models Development and Support

Travel Forecasting Subcommittee (TFS) convened on July 20. The meeting agenda included the following UPWP-related items:

- Status report on the air quality conformity analysis of Visualize 2045
- Status report on the Ver 2.5 travel model development and evaluation
- Status report on developing the TPB's Generation-3 travel demand forecasting model
- Status report on the 2017-18 COG/TPB Regional Travel Survey
- Briefing on the TPB's Draft 2018 Congestion Management Process (CMP) Technical Report

Staff continued its testing, evaluation and refinement of the developmental Ver. 2.5 model. Staff has continued to debug model components and network development procedures. Procedures to develop land use inputs to the V2.5 model have been established and documentation of those procedures has begun.

Regarding the longer term (Generation 3) travel demand model, the request for information (RFI) advertisement period ended on July 12. There were seven formal vendor responses to the RFI and two informal, non-vendor responses. TPB staff reviewed the responses and is preparing to follow up with one or more vendors with questions. Given the large number of responses received, the review period has been extended, so it is now scheduled to end in September. The request for proposals (RFP) advertisement period is now expected to occur in November to December 2018.

Staff coordinated with the Information, Technology and Facilities Management (ITFM) partners to purchase new computers (including a new travel modeling server now designated as TMS8) and to ensure that existing hardware is optimally performing.

Staff responded to 12 technical data requests from consultants or agencies for the travel demand model or for travel model-related data.

| Task 6 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|-------------------------------------|-------------|-------------------|------------------|-----------|
| TRAVEL MONITORING AND DATA PROGRAMS | \$2,760,334 | \$214,984 | 8% | 45 |

6. TRAVEL MONITORING AND DATA PROGRAMS

6.1. Household Travel Survey

COG/TPB staff held weekly meetings with Resource Systems Group, Inc. (RSG), the survey contractor for the 2017/2018 COG/TPB Regional Travel Survey. For the July/August 2018 reporting period, the key tasks were focused on monitoring the conduct of the main survey and analyzing response rates by survey strata across the region, in addition to developing a Spanish language survey targeting households in Hispanic/Latino communities to improve survey responses in these areas. COG/TPB staff analyzed daily recruitment and completion rates and reviewed the ninth interim data deliverable. COG/TPB staff also responded to questions from respondents by email and phone. Additionally, COG/TPB staff met with representatives from CASA de Maryland on the Hispanic/Latino outreach effort and finalized the print materials and translations for the Spanish survey.

6.2. Travel Monitoring Counts/Studies

Staff conducted initial coordinating activities to develop FY2019 travel studies.

6.3. Regional Transportation Data Clearinghouse

Staff created new feature classes with updated Highway Performance Monitoring System (HPMS) and pavement data for 2016 and National Bridge Inventory (NBI) data for 2017. Staff updated the county pavement and bridge factsheets using the 2016/2017 pavement and bridge data.

Staff identified errors in the way VMT data was being reported in the RTDC and passed on the issues to fellow DTP team staff who made the technical corrections needed. Staff responded to an inquiry regarding vehicle miles traveled (VMT) data for Alexandria and updated the VMT jurisdictional trends table with 2017 data where available.

Staff began developing a regional Travel Time Metric calculation based-on the new FHWA requirements for HPMS.

Staff received new Airport Analysis Zone (AAZ) files from fellow DTP staff.

Staff responded to several internal and external inquiries including: the availability of bicycle and pedestrian count data, the availability of vehicle classification data, and an inquiry regarding a link to the RTDC Traffic Counts dataset that appears on an external website (<http://data.codefordc.org/>).

Staff continued to interview candidates in an effort to fill a Transportation Planner II/Data Analyst position that was vacated when a staff member took a position with the Department of Community Planning & Services (DCPS).

Staff attend the National Performance Management Research Data Set (NPMRDS) quarterly webinar on August 2nd.

6.4. GIS Data (Technical Support)

Staff attended and participated in the Towson University GIS Conference (tuGIS) held on August 7 at Towson University and the July 19 CIO Committee webinar.

Staff continued to refine the Visualize 2045 map applications related to the Constrained Element of the plan. Changes were made to the New and Proposed Changes application as well as to the All Projects application. Staff also continued development of the Visualize 2045 Environmental Consultation story map application and received comments from fellow DTP staff regarding the application and implemented the requested changes and updates. Staff received the final conformity project input table for Visualize 2045 from Models Application staff. Staff worked with the Office of Communications (OC) and the COG web team to create a Visualize 2045 webpage that would accommodate web mapping applications to display natively (non responsive design). The team also continues to discuss improvements and standards for displaying spatial data resources on the COG website.

Staff drafted a list of questions and produced a spreadsheet of projects in the TPB Bicycle and Pedestrian database for which additional information is required. These materials were passed on to TPB's bicycle and pedestrian planner. Staff created a web mapping application for the TPB Bicycle and Pedestrian Subcommittee to identify projects with missing status information.

Staff assisted fellow DTP team staff in setting up SDE database connections from ArcCatalog to perform database updates to 2017 National Bridge Inventory (NBI) and 2016 Highway Performance Monitoring System (HPMS) Pavement datasets. The work is ongoing and will culminate in the update of the Bridge and Pavement Condition web mapping application.

Staff began providing technical support to Commuter Connections staff in support of populating the network dataset used for the Commuter Connections bicycle routing application. This task is ongoing.

Staff performed GIS database maintenance including receiving updates to the Commuter Connections Park and Ride database and web map/application from Commuter Connections staff and receiving the Capital Trails Coalition (CTC) trail dataset from the Rails to Trails Coalition (RTC). In addition, staff summarized the existing Air Systems Planning program’s portfolio of GIS products, primarily focused on the products featured in the 2015 Air Passenger Survey, with recommendations on how best to enhance the 2017 Air Passenger Survey products.

Staff provided internal and external GIS technical assistance. This included providing a map of NHS vs. non-NHS roads to the Performance Planning team, providing Department of Community Planning and Services (DCPS) staff with maps of activity centers, high-capacity transit stations, and the number of Households and Jobs in TAZs (in 2020 and 2045) around high capacity transit stations that are NOT in regional activity centers, and responding to an inquiry from WMATA staff regarding the availability of a TAZ to TAZ origin-destination table.

Staff met with staff from the Washington Area Bicyclist Association (WABA) to discuss the longer-term plans for the maintenance and hosting of the Capital Trails Coalition (CTC) web map. The discussion is ongoing.

Staff served on the Technical Selection Committee for the Request for Proposals (RFP) to procure a new software product for TPB’s Transportation Improvement Program (TIP) database.

Staff reviewed proposals received for the following FY 2019 TLC projects: Eastover & Forest Heights Trail Improvement and Barry Farm – Anacostia Metro Access Feasibility Analysis. Staff met with DC Office of Planning staff to discuss project goals for the Barry Farm – Anacostia Metro Access Feasibility Analysis on August 21st.

Staff prepared final purchase orders for FY19 maintenance for the following software resources: Esri/ArcGIS Online and HERE Core Map Street Maps.

| Task 7 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|--|-----------|-------------------|------------------|-----------|
| COOPERATIVE FORECASTING AND TRANSPORTATION PLANNING COORDINATION | \$915,451 | \$115,577 | 13% | 49 |

7. COOPERATIVE FORECASTING AND TRANSPORTATION PLANNING COORDINATION

DCPS and DTP staff continued working with members of the Planning Directors Technical Advisory Committee (PDTAC) to coordinate local, state, and federal planning activities and integrating land use and transportation planning in the region. Following the February PDTAC meeting when the TPB staff director of transportation planning reviewed the TPB endorsed initiatives, PDTAC has focused on identifying jurisdictional planning initiatives that can help advance the initiatives, particularly with respect to Initiative 8: Optimize Regional Land Use Balance. To further advance conversations about linking land use and transportation, DCPS convened a joint meeting of the Planning Directors and Housing Directors committees on July 19 at COG focused on “Shaping Future Land Uses and Transportation Decisions” by PDTAC Chair DC Planning Director Eric Shaw; “Proven Strategies for Expanding the Supply of Affordable Housing and Addressing Cost Challenges” by Ahmad Abu-Khalaf, Enterprise Community Partners; and a “Lunch & Learn on ‘Opportunity Zones’ ” led by David Bowers and Rachel Reilly Carroll, of Enterprise Community Partners.

DCPS and DTP staff assisted PDTAC Chairman Shaw with his briefing to the TPB on July 18, “Visualize 2045: Planning Directors Report on TPB’s Seven Endorsed Initiatives Discussions to Date”.

During the July 10 Cooperative Forecasting Subcommittee meeting, Subcommittee members made presentations on their methods for developing their Cooperative Forecasts, including Subcommittee Chairman Kirk Eby of Gaithersburg, Dial Keju of Frederick County, and Kristin Haldeman of Fairfax County. DCPS staff shared a new memo that provides an update to the suggested baseline employment estimates for the Cooperative Forecasting program. The baseline employment estimates are updated to reflect new and revised federal employment estimates, including: (1) revised 2010-2016 and new 2017 Bureau of Labor Statistics estimates, (2) 2016 Census Public Use Microdata Sample (PUMS) 1-Year files, and (3) 2016 military estimates.

DCPS Director and DTP Director worked together to develop a briefing for the region’s elected officials on balancing housing and job growth to support transportation at the July COG Leadership Retreat. Related presentations included briefings on the effects of the growth of Amazon’s headquarters in Seattle on local housing markets and transportation systems, as well as discussions of tools that can be employed to increase the preservation and construction of affordable housing, particularly in Activity Centers and High-Capacity Transit Stations.

DCPS hosted the July meeting of the Region Forward Coalition at COG focused on “Accessibility”, with particular emphasis on the strategic focusing of development and tools and techniques for repurposing commercial office space in Activity Centers and throughout the region. The agenda featured “Montgomery County’s Smart Growth Initiative” presented by Greg Ossont, Montgomery County General Services Deputy Director, and Dianne Schwartz Jones, Montgomery County Department of Permitting Services Director; and “Strategies for Reusing Our Region’s Older, Empty Office Buildings” presented by Ryan Touhill, Alexandria Economic Development Partnership, and Meghan Van Dam, Fairfax County Policy and Plan Development Branch Chief. DCPS staff also briefed the Coalition on results of the 2018 Commercial Construction Indicators report as a summary of local commercial vacancy rates, with particular emphasis on trends within Activity Centers and Metrorail Station Areas.

In July, COG DCPS staff released a new, online mapping application which shows the Residential Patterns of Metropolitan Washington’s Talent. The maps show where individuals in different major occupations groups live as a tool for better understanding the linkage between skilled workers and major employment centers.

During July and August, to support conversations at the August meetings of the Housing Leaders Group of Greater Washington and building on discussions at the COG retreat, DCPS and DTP staff coordinated on research to determine a better balance of housing and jobs in the Cooperative Forecasts from the perspective of transportation efficiency.

In July and August, DCPS staff continued research into best practices for developing land use forecasts by contacting additional MPOs across the country, and working to develop a memorandum for the Cooperative Forecasting Subcommittee during the Fall.

In July and August, DCPS staff began an initial analysis of the 2018 InfoGroup data for the COG/TPB Model Region. Staff will begin geo-coding the database later this Summer and begin further analyses of the data. InfoGroup data has been the base employment from which COG member jurisdictions prepare their Cooperative Forecasts.

| Task 8 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|--|-------------|-------------------|------------------|-----------|
| PUBLIC PARTICIPATION AND HUMAN SERVICES COORDINATION | \$1,261,894 | \$77,072 | 6% | 51 |

8. PUBLIC PARTICIPATION AND HUMAN SERVICES COORDINATION

8.1. Public Participation

Staff continued work on public outreach activities for *Visualize 2045*. This included a public input The CAC met on Thursday, July 12. At the meeting the committee was briefed on the Coordinated Human Service Transportation Plan update. They also received a progress report on CAC activities to date. The second half of the meeting featured the federally required biennial forum on the Transportation Improvement Program (TIP).

survey in summer 2017 and planned public forums and open houses which was conducted in spring 2018. For the July/August 2018 reporting period, TPB staff worked on the final report of detailed findings for the Visualize 2045 Public Input Survey (Phase 1 Outreach) *that was conducted in 2017* and the report on public forums conducted for the Visualize 2045 on the 12 public forums related to Visualize 2045 that were conducted between April and June (Phase 2 Outreach).

Staff prepared for the release of the plan for public comment on September 7. Activities included preparing announcements about the release, web documentation, public comment pages, documentation of the plan in draft publication format, and presentations on the draft plan.

Staff and public outreach consultant prepared for three open houses on Visualize 2045 that were scheduled for September. Activities included developing display and handout materials for the events, scheduling and logistical planning, and outreach and advertising.

Staff solicited proposals from consultants to assist in developing an evaluation of the TPB’s public involvement activities.

8.2. Communications

The *TPB News*, the TPB’s online newsletter, was produced and distributed on a bi-weekly basis in July. Topics included: the forum on the Transportation Improvement Program (July 10); performance-based planning and programming (July 10); the TPB’s seven initiatives (July 24); Transportation Alternative Set-Aside projects in Maryland (July 24). In addition, the Visualize 2045 newsletter was released once in July with an announcement about the open houses planned for September.

TPB staff maintained an active presence on social media.

Staff updated pages on the COG website related to transportation.

8.3. Human Services Transportation Coordination

Staff completed a draft of the Coordinated Human Service Transportation Plan document and held a webinar with the AFA committee on July 12 in which committee members reviewed the entire draft plan document.

Staff reviewed and incorporated applicable comments into the draft Coordinated Plan document and finalized it for distribution for the AFA meeting in September, prior to the document being released for public comment.

Staff presented at the National Association of Area Agencies on Aging (n4a) conference in Chicago on July 30 about the TPB's work on human service transportation and coordination and Enhanced Mobility.

During the month of August, staff worked with AFA members to assist with updates to the Listing of Specialized Services required for the update of the Coordinated Plan and incorporated applicable information into the draft document.

| Task 9 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|--|-----------|-------------------|------------------|-----------|
| TRANSPORTATION ALTERNATIVES (TAP) AND LAND USE CONNECTION (TLC) PROGRAMS | \$482,053 | \$32,894 | 7% | 55 |

9. TRANSPORTATION ALTERNATIVES (TAP) AND LAND USE CONNECTION (TLC) PROGRAMS

9.1. Land Use Connections TLC Programs

Staff solicited consultant proposals for the nine FY 2019 TLC projects that were approved by the TPB in May. In consultation with the jurisdiction staff for each project, staff preliminarily selected consultants for each project.

Staff began reviewing applications that have been submitted for the Transportation Alternatives Set-Aside Program in the District of Columbia. The TPB is slated to approve projects for this funding in October.

| Task 10 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|----------------------------|-----------|-------------------|------------------|-----------|
| TPB SUPPORT AND MANAGEMENT | \$893,653 | \$96,326 | 11% | 57 |

10. TPB SUPPORT AND MANAGEMENT

This task includes activities not attributable to specific tasks in the work program but provides overall support for and management of the TPB and UPWP-related activities.

- Provide administrative arrangements (such as preparation and distribution of meeting materials) and staff support for TPB and its various Committees, Sub-Committees, Task Forces and special TPB work groups meetings.
- Respond to requests from TPB members, federal agencies, Congressional offices, media and others for information or data of a general transportation nature.
- Meet with TPB Board members and participating agency staff to discuss current and emerging regional transportation planning issues.
- Participate in meetings of other agencies whose programs and activities relate to and impact the TPB work program.
- Coordinate TPB Planning Activities with Program Directors and day-to-day management of and allocation of staff and financial resources.
- Monitor all work program activities and expenditures.

Staff support was provided for the monthly meetings of the following committees and sub-committees:

- State Technical Working Group (STWG)
- Citizens's Advisory Committee (CAC)
- Transportation Planning Board - (TPB)
- Systems Performance, Operations, and Technology Subcommittee - (SPOTS)
- Metropolitan Area Transportation Operations Coordination Program (MATOC)
- Traffic Incident Management Enhancement Task Force - (TIME)
- Metropolitan Area Transportation Operations Coordination Workshop - (MATOC)
- TPB Technical Committee
- TPB Steering Committee
- Regional Public Transportation Subcommittee - (RPTS)

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

The Staff Director provided overall program management oversight to all the Department's activities. Work activities the Director was involved in during the month includes:

- Discussions, review and finalization of the agenda topics for the TPB's Technical Committee, State Transportation Working Group (STWG) and Board meetings. This includes meeting with the Program Directors and project staffs to review the progress and briefing materials.
- Participation in the September STWG, TPB Technical Committee, TPB Steering Committee, TPB's Citizen's Advisory Committee and the TPB Board meetings.
- Participation in the bi-weekly meetings of the State Safety Oversight/Metro Safety Commission (SSO/MSO) Policy Work Group meetings. This "tri-state" group is working to reconstitute the existing Metro rail safety oversight Committee to comply with the requirement of the FAST Act.

Other additional activities for the TPB Staff Director for the months of July/August includes:

- Housing & Planning Directors Joint Meeting
- Participated in discussions on regional Bus system with Greater Washington Partnership Interviews w/Jordan Pascale & Kathleen Stubbs re: Possible Metro Strike
- Conference call re: Major Metros Roundtable
- Monthly SSOA Meeting re: Metrorail Safety Commission

The UPWP activities include:

- Supervise the preparation, negotiation, and approval of the annual work program and budget involving the State Transportation Agencies, the TPB Technical Committee, the TPB Technical Committee, the Steering Committee and the TPB.
- Preparation of monthly UPWP progress reports for each of the state agencies administering planning funding and prepare all necessary federal grant applications submissions.
- Review all monthly UPWP invoices going to each of the state agencies administering planning funding.

| Task 11 | BUDGET | Billed this month | % Funds Expended | UPWP Page |
|-----------------------------|-------------|-------------------|------------------|-----------|
| <u>TECHNICAL ASSISTANCE</u> | \$1,419,520 | \$19,992 | 1% | 59 |
| District of Columbia | \$283,756 | \$16,084 | 6% | 59 |
| Maryland | \$518,802 | \$3,903 | 1% | 61 |
| Virginia | \$436,798 | \$ | 0% | 63 |
| WMATA | \$180,164 | \$4 | 0% | 65 |

11. TECHNICAL ASSISTANCE

11.1 District of Columbia

Program Development, Data Requests, and Miscellaneous Services

Staff attended the monthly STWG / Tech / Steering / TPB meeting cycle.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

Staff worked with DDOT staff to plan and participate in the August 22 HPMS Committee meeting. Staff updated the committee on the PCS, HERE, and short-term data status and prepared a summary of the meeting and shared it with DDOT staff. Staff created counting location maps and assigned the first batch of 2018 fall counts to the contractor. Staff reviewed all short-term counts provided by the contractor in June and July (final submission for Spring 2018) and reviewed and approved the final invoice for FY2018. Staff finished archiving the 2017 short term counts. Staff summarized and analyzed the June and July traffic data from PCS, FTMS, and HERE stations and shared the summary with DDOT staff for field inspection purposes. Staff developed the (newly required) Travel Time Metric Data for DC.

11.2. Maryland

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. See TLC item above for further details about administration of the TLC Program.

11.3. Virginia

Program Development and Data / Documentation Processing

Staff attended the monthly STWG / Tech / Steering / TPB meeting cycle.

11.4. WMATA

Program Development

Staff attended the monthly STWG / Tech / Steering / TPB meeting cycle.

12. CONTINUOUS AIRPORT SYSTEM PLANNING

Staff prepared and convened the July 26 Aviation Technical Subcommittee Meeting. This included an agenda item that provided an annotated outline RASP update & CASP 33 grant update. Staff prepared the minutes from the July meeting. Staff drafted the Aviation Technical Subcommittee (ATS) Agenda for September meeting, finalized logistics, generated the WebEx event, circulated the invitation, and updated the website accordingly.

Staff convened and participated in call between TPB Air Systems Staff and Southern California Association of Governments (SCAG), whereby TPB staff advised SCAG senior staff on methods in air systems planning forecasting.

Staff finalized and submitted the CASP 33 grant application materials. Staff reviewed and produced summaries of Virginia and Maryland Statewide Aviation Plans and Airport Layout Plans (ALPs) for the three commercial airports in the region – as part of Phase II of the Regional Air System Plan (RASP).

Staff began cleaning and sorting data and developing a master list of geocoded origin points based on data from TPB's Regional Air Passenger Survey (RAPS). Staff began processing source data to create a uniform reference file to be utilized for processing 2017 survey data.

Staff provided air passenger ground access forecast by mode by AAZ and Jurisdiction to DEP staff, based on the 2013 Air Passenger Survey.

Staff reviewed Federal Register requirements for the upcoming Federal Aviation Administration funding application.

Staff completed updates and edits to the Aviation Technical Subcommittee page, including adding Meeting Materials (agenda, minutes, etc.) and correcting/adding dates.

Staff completed the Air Systems Section of the Visualize 2045 report.

FY 2019 TRANSPORTATION PLANNING BOARD

COG/TPB BUDGET EXPENDITURE SUMMARY

July/August 2018

| PE No. | DC, MD and VA FTA, FHWA and LOCA BUDGET TOTAL | FUNDS EXPENDED | BILLED THIS MONTH | % FUNDS EXPENDED |
|-----------------------------------|---|-------------------|-------------------------|---------------------|
| 1 Long Range Plan | 1,049,855.00 | 127,303.22 | 127,303.22 | 12% |
| SUBTOTAL | 1,049,855.00 | 127,303.22 | 127,303.22 | 12% |
| 2 Planning | 350,945.00 | 50,818.97 | 50,818.97 | 14% |
| 2 Transportation Improvement Plan | 350,945.00 | 34,592.41 | 34,592.41 | 10% |
| SUBTOTAL | 701,890.00 | 85,411.38 | 85,411.38 | 12% |
| 3 Air Quality Conformity | 900,000.00 | 128,320.12 | 128,320.12 | 14% |
| 3 Mobile Emissions Analysis | 987,121.00 | 96,392.52 | 96,392.52 | 10% |
| SUBTOTAL | 1,887,121.00 | 224,712.63 | 224,712.63 | 12% |
| 4 Congestion Mgmt Process | 425,000.00 | 56,758.17 | 56,758.17 | 13% |
| 4 SPOTS | 529,037.00 | 90,401.58 | 90,401.58 | 17% |
| 4 Emergency Preparedness | 135,000.00 | 20,298.26 | 20,298.26 | 15% |
| 5 Transportation Safety | 135,000.00 | 20,148.74 | 20,148.74 | 15% |
| 5 Bike & Pedestrian | 155,000.00 | 18,980.76 | 18,980.76 | 12% |
| 5 Regional Public Transit | 175,000.00 | 9,333.86 | 9,333.86 | 5% |
| 5 Freight Planning | 170,000.00 | 14,602.73 | 14,602.73 | 9% |
| 5 MATOC | 135,000.00 | 17,139.64 | 17,139.64 | 13% |
| SUBTOTAL | 1,859,037.00 | 247,663.72 | 247,663.72 | 13% |
| 5 Software Support | 150,000.00 | 7,232.69 | 7,232.69 | 5% |
| 5 Network Development | 826,200.00 | 102,562.00 | 102,562.00 | 12% |
| 5 Models Development | 1,777,891.00 | 127,760.95 | 127,760.95 | 7% |

**FY 2019 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY**

July/August 2018

| PE No. | DC, MD and VA FTA, FHWA and LOCA BUDGET TOTAL | FUNDS EXPENDED | BILLED THIS MONTH | % FUNDS EXPENDED |
|--|---|---------------------|-------------------------|---------------------|
| SUBTOTAL | 2,754,091.00 | 237,555.64 | 237,555.64 | 9% |
| 6 Regional Travel Survey | 1,400,177.00 | 48,270.04 | 48,270.04 | 3% |
| 6 Travel Monitoring Studies and Research | 340,492.00 | 3,374.63 | 3,374.63 | 1% |
| 6 Regional Transportation Data Clearinghouse | 334,075.00 | 48,521.86 | 48,521.86 | 15% |
| 6 GIS Data | 685,590.00 | 114,818.22 | 114,818.22 | 17% |
| SUBTOTAL | 2,760,334.00 | 214,984.76 | 214,984.76 | 8% |
| 7 Cooperative Forecasting Coordination | 915,451.00 | 115,577.88 | 115,577.88 | 13% |
| SUBTOTAL | 915,451.00 | 115,577.88 | 115,577.88 | 13% |
| 8 Public Participation | 996,894.00 | 69,100.21 | 69,100.21 | 7% |
| 8 Human Service Transportation Coordination | 265,000.00 | 7,971.85 | 7,971.85 | 3% |
| SUBTOTAL | 1,261,894.00 | 77,072.06 | 77,072.06 | 6% |
| 9 Alternatives and TLC | 482,053.00 | 32,894.10 | 32,894.10 | 7% |
| SUBTOTAL | 482,053.00 | 32,894.10 | 32,894.10 | 7% |
| # TPB Support and Mgmt | 893,653.00 | 96,326.73 | 96,326.73 | 11% |
| SUBTOTAL | 893,653.00 | 96,326.73 | 96,326.73 | 11% |
| SUBTOTAL CORE PROGRAM ITEMS 1-10 | 14,565,379.00 | 1,459,502.12 | 1,459,502.12 | 10% |
| TECHNICAL ASSISTANCE | | | | |
| A District of Columbia | 283,756.00 | 16,084.46 | 16,084.46 | 6% |
| B Maryland | 518,802.00 | 3,903.77 | 3,903.77 | 1% |
| C Virginia | 436,798.00 | 0.00 | 0.00 | 0% |
| D WMATA | 180,164.00 | 4.50 | 4.50 | 0% |
| Technical Assistance Program Total | 1,419,520.00 | 19,992.73 | 19,992.73 | 1% |
| TPB GRAND TOTAL | 15,984,899.00 | 1,479,494.85 | 1,479,494.85 | 9% |

**FY 2019 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**

July/August 2018
SUPPLEMENT 1

| | TOTAL | | FTA/STA/LOC | | PL FUNDS/LOC | |
|--|---------------------|--------------------|-------------------|------------------|---------------------|-------------------|
| | AUTHORIZED BUDGET | TOTAL EXPENDITURES | AUTHORIZED BUDGET | FTA EXPENDITURES | AUTHORIZED BUDGET | FHWA EXPENDITURES |
| A. District of Columbia | | | | | | |
| DC Program Development | 10,000.00 | 0.00 | 1,258.63 | 0.00 | 8,741.37 | 0.00 |
| DDOT HPMS | 235,000.00 | 16,084.46 | 29,577.77 | 2,024.44 | 205,422.23 | 14,060.03 |
| OTHER TASK TBD | 38,756.00 | 0.00 | 4,877.94 | 0.00 | 33,878.06 | 0.00 |
| SUBTOTAL | 283,756.00 | 16,084.46 | 35,714.34 | 2,024.44 | 248,041.66 | 14,060.03 |
| B. Maryland | | | | | | |
| MD Program Development | 15,000.00 | 0.00 | 1,887.94 | 0.00 | 13,112.06 | 0.00 |
| Project Planning Studies | 100,000.00 | 3,903.77 | 12,586.29 | 491.34 | 87,413.71 | 3,412.43 |
| Feasibility/Special Studies | 50,000.00 | 0.00 | 6,293.14 | 0.00 | 43,706.86 | 0.00 |
| Transportation Performance Measures MD | 100,000.00 | 0.00 | 12,586.29 | 0.00 | 87,413.71 | 0.00 |
| Training, Misc and Tech Support | 20,000.00 | 0.00 | 2,517.26 | 0.00 | 17,482.74 | 0.00 |
| Transportation/Land Use Connection Program | 160,000.00 | 0.00 | 20,138.06 | 0.00 | 139,861.94 | 0.00 |
| Other Tasks TBD | 73,802.00 | 0.00 | 9,288.93 | 0.00 | 64,513.07 | 0.00 |
| SUBTOTAL | 518,802.00 | 3,903.77 | 65,297.91 | 491.34 | 453,504.09 | 3,412.43 |
| C. Virginia | | | | | | |
| VA Program Dev & Data Document Processing | 15,000.00 | 0.00 | 1,887.94 | 0.00 | 13,112.06 | 0.00 |
| Travel Monitoring Surveys | 150,000.00 | 0.00 | 18,879.43 | 0.00 | 131,120.57 | 0.00 |
| Travel Modeling | 40,000.00 | 0.00 | 5,034.51 | 0.00 | 34,965.49 | 0.00 |
| Sub Region Study | 60,000.00 | 0.00 | 7,551.77 | 0.00 | 52,448.23 | 0.00 |
| OTHER TASKS TBD | 91,798.00 | 0.00 | 11,553.96 | 0.00 | 80,244.04 | 0.00 |
| Transportation Land Use Connections | 80,000.00 | 0.00 | 10,069.03 | 0.00 | 69,930.97 | 0.00 |
| SUBTOTAL | 436,798.00 | 0.00 | 54,976.65 | 0.00 | 381,821.35 | 0.00 |
| D. WMATA | | | | | | |
| Program Development | 5,000.00 | 4.50 | 5,000.00 | 4.50 | 0.00 | 0.00 |
| TBD | 175,164.00 | 0.00 | 175,164.00 | 0.00 | 0.00 | 0.00 |
| SUBTOTAL | 180,164.00 | 4.50 | 180,164.00 | 4.50 | 0.00 | 0.00 |
| GRAND TOTAL | 1,419,520.00 | 19,992.73 | 336,152.90 | 2,520.28 | 1,083,367.10 | 17,472.45 |