

FY 2011

**NATIONAL CAPITAL REGION
TRANSPORTATION PLANNING BOARD (TPB)
Work Program Progress Report
JUNE 2011**

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

The final progress report was prepared on the work activities in the FY 2011 UPWP. Activities under the FY 2012 UPWP began on July 1, 2011.

Staff prepared a memorandum for the Technical Committee and TPB in July detailing responses to the recommendations and corrective actions included in the FHWA and FTA report on the certification review of the transportation planning process for the Washington TMA.

B. Transportation Improvement Program (TIP)

On June 3, the TPB Steering Committee approved two amendments to the FY 2011-2016 TIP. The first amendment, requested by the Montgomery County Department of Transportation funded nine bridge replacement and rehabilitation projects. The second amendment, requested by VDOT funded the I-95 north-bound HOV direct access ramps to the Fort Belvoir EPG project. At the TPB meeting on June 15, the Board approved an amendment to update projects and funding in the Virginia portion of the FY 2011-2016 TIP.

In fiscal year 2011, staff produced the following projects related to the TIP:

- The FY 2011-2016 TIP, including a financial plan and comments received on the Plan and TIP.

C. Constrained Long-Range Plan (CLRP)

Staff presented the conformity analysis results of the 2010 CLRP VDOT HOT Lanes amendment to the TRB Technical Committee, TPB, MWAQC TAC, and MWAQC at their respective June meetings. Staff finalized the report for presentation to the TRB in July for its approval.

On June 15, 2011 the TPB released the draft air quality conformity assessment for a set of amendments to the 2010 CLRP. The amendments, requested by VDOT, include a modification in scope of the I-95/I-395 HOV/HOT Lanes project, the widening of I-66 between US 29 and Route 15, and a ramp from the HOV lanes of I-395 to Seminary Road.

In fiscal year 2011, staff produced the following products related to documentation of the plan:

- Staff documented the 2010 CLRP on the plan's web page (www.mwcog.org/clrp). This content included the plan performance and how

the TPB is meeting federal requirements related to SAFETEA-LU.

- The “Call for Projects” for the 2011 Constrained Long Range Plan (CLRP) was prepared and finalized.
- Materials describing the significant changes proposed for the 2011 CLRP were created, including user-friendly descriptions and maps of the projects.

D. Financial Plan

No work activity during the reporting period. The financial plan for the 2010 CLRP was produced in FY 2011.

E. Public Participation

The CAC meeting on June 9 included a discussion on the Draft 2010 CLRP document, a briefing on the JARC/New Freedom Programs, discussion of a CAC recommendation for a Regional Complete Streets Policy, and discussion on the Regional Transportation Priorities Plan, which covered the TPB staff response to CAC comments on the draft scope, as well as a discussion of the scope itself.

Staff met with other COG staff to discuss the development of an application by COG for a Regional Sustainable Communities Planning Grant from the U.S. Department of Housing and Urban Development (HUD). The grant notice for this program is expected later in the summer. The proposed project is likely to include public involvement activities.

Access for All Advisory Committee

In June, staff prepared for the AFA meeting on July 7, 2011 by arranging for a speaker on Montgomery County’s bus stop improvement program, the status of the AFA members appointed to Metro’s Accessibility Advisory Committee, and best practices in reaching limited English proficiency population groups from a AFA member organization, Boat People, SOS.

In Fiscal year 2011, staff supported the TPB Access for All Advisory Committee (AFA). Four regularly quarterly meetings of the AFA were held on July 8, 2010, October 28, 2010, Jan 27, 2011, and April 28, 2011. A memorandum from AFA chair Catherine Hudgins was presented to the TPB on October 20, 2010 summarizing AFA transportation concerns for low-income populations, minority populations and persons with disabilities based on the proposed changes to the 2010 CLRP. In January, Patrick Wojahn became the AFA Chair after being appointed by the TPB in November 2010 . In January, staff conducted a survey to determine preferred meeting topics and to solicit any other suggestions from committee members. Based on that survey, agenda items for the 2011 AFA meetings included topics such as MetroAccess, Bus Stop Improvement programs, and challenges for limited English proficient populations.

F. Private Enterprise Participation

Highlights of the twenty-second annual Transit Forum were prepared and distributed to attendees and posted to the website.

G. Annual Report

The June TPB News was produced and distributed.

At the end of the fiscal year, all tasks were completed under this item, including production of the annual report (The Region) and production of the monthly newsletter.

H. Transportation / Land Use Connection Program (TLC)

By the end of June, which was the end of the fiscal year, all TLC technical assistance projects funded for FY2011 were completed.

The selection panel for the FY2012 round of projects met on June 30 and selected a package of project recommendations for funding. These recommendations were scheduled for approval by the TPB in July.

Staff scheduled a forum for the TLC Peer Exchange Network for September 16, 2011. This forum will facilitate an information exchange among the TPB's member jurisdictions regarding the TLC projects that have been completed to date, which number approximately 50. Input from the forum will also help guide future TLC exchange activities.

I. DTP Management

In addition to the provision of staff support for meetings of the TPB, the Steering Committee, and the Technical Committee, the following activities were undertaken.

- The DTP Director, the COG Executive Director, and DTP staff made a presentation to the Loudoun County Board of Supervisors on the regional Street Smart campaign, which subsequently led to Loudoun County committing its funding share to the program for the first time.
- The DTP Director participated in an editorial board meeting at WAMU on bicycle, pedestrian, and vehicle interactions.
- The DTP Director participated in a federally –sponsored two-day peer review of financial planning at the New York Metropolitan Transportation Council (NYMTC), the MPO for the New York metropolitan region.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff completed the first draft of the National Capital Region Congestion Report that utilized INRIX speed data, detector volume data and incidents data. The report provided the congestion trend (month by month) of the majority of freeways and a small portion of arterials in the National Capital Region covered by the I-95 Corridor Coalition Vehicle Probe Project and its expansions during the time period from July 2008 to December 2010. The report also provided summary statistics of incidents – one of the causes of congestion – recorded by the Regional Integrated Transportation Information System (RITIS) or acted upon by the Metropolitan Area Transportation Operations Coordination (MATOC) program.

Staff presented the first draft of the report to the Management, Operations, and Intelligent Transportation Systems (MOITS) Technical Subcommittee at its June 14 meeting and received 27 comments from participants. Staff made improvements to the report accordingly.

Staff finished the procurement process of acquiring INRIX traffic speed and related data and received all specified products.

On June 8, staff attended Transportation Research Board 2011 Data and Information Systems Committee Midyear Meeting at The National Academies Keck Center. On June 23, staff monitored the I-95 Corridor Coalition Vehicle Probe Project team webcast.

End-of-year recap:

- FY2011 programmed activities under this task have been completed or will be continued into FY2012. Staff advanced the congestion analysis conducted in FY2010 by integrating vehicle volume data into INRIX traffic speed data and produced the first draft of the dashboard-style, quarterly-updated National Capital Region Congestion Report.
- Resolved Geographic Information System (GIS) issues encountered in applying the I-95 Corridor Coalition/INRIX data.
- Updated the CMP Components of the Constrained Long-Range Plan (CLRP).
- Coordinated with regional stakeholders on developing appropriate highway performance measures.
- Finished the procurement of archived traffic speed data from INRIX, Inc.

B. Management, Operations, and Intelligent Transportation Systems (ITS) Planning

- The Management, Operations, and Intelligent Transportation Systems (MOITS) Technical Subcommittee met on June 14, 2011. The MOITS committees received a status report on the planned FY 2012 Technical Assistance Account work item for the "Multimodal Coordination for Bus Hot Spots" Project; a request for proposals (RFP) for consultant work was anticipated to be issued in July. The committees also received a briefing on the Congestion Management Process (see also Item 2.A.).
- A main topic of discussion at the June 14 meeting was the continuing effort at COG among a number of agencies and committees planning in response to the disruptive January 26, 2011 winter storm.
 - These discussions included consideration of the current and potential roles for MATOC, and a comparative analysis of MATOC's activities with activities of the similar TRANSCOM organization in metropolitan New York. On June 8, staff conducted a structured telephone interview of TRANSCOM staff for fact-finding on this topic.
 - On June 21, staff attended a site visit of the Greater Washington Board of Trade to the MATOC facility in Greenbelt, Maryland, to review MATOC's current activities and for comparison to New York's TRANSCOM, which the Board of Trade had visited in May.
 - Staff prepared and provided a briefing on this topic to the COG Ad Hoc Steering Committee on Incident Management and Response on June 29.
- Staff continued coordinating MOITS activities with the Regional Emergency Support Function #1 – Emergency Transportation Program, Committee (see also Item 2.C.).
- Staff guided work undertaken by the contractor team on the Metropolitan Area Transportation Operations Coordination (MATOC) Program (also see contractor work documented under Item 2.I.), and worked with the contractor and University of Maryland staff on continuing short-range planning issues for MATOC. The current structuring and potential restructuring of MATOC's ongoing support continued to be of particular focus.
- On June 1, the TPB and staff hosted the Executive Board meeting of the I-95 Corridor Coalition.
- Staff participated in several conference calls planning for the Transportation Research Board Joint Operations Subcommittees midyear meeting to take place in July.
- Staff participated in a workshop on the VDOT Northern Virginia Intelligent Transportation Systems (ITS) Architecture, in Fairfax on June 15.
- FY 2011 programmed activities under this task have been completed or will be continued into FY 2012. Staff supported the MOITS Policy Task Force and Technical Subcommittee on their variety of activities throughout the year.

C. Transportation Emergency Preparedness Planning

The Regional Emergency Support Function-1 – Transportation (RESF-1 – Transportation) Committee provides an interface between transportation and emergency management agencies and is staffed by a Public Safety Planner from COG's Department of Public Safety and Health. The RESF-1 committee met as scheduled on August 19th 2011. During the August 19th meeting the committee was encouraged to share information and plans for the upcoming 10th Anniversary of the 9/11 attacks. The committee discussed how operations might be impacted by increased security measures and by special events throughout the region. The committee further took this opportunity to discuss the upcoming Martin Luther King Jr. Memorial activities and their impact on the transportation system.

In addition to the monthly committee meeting, staff assisted RESF-1 with two Exercise and Training Oversight Panel requests. The first of these requests involved a WMATA request for funds to produce three transit seminars for roadway, transit, and emergency response partners. The second project was submitted by the Maryland CATT Lab via RESF-1 and is intended to add additional functionality to RITIS to allow it to be used in an upcoming District of Columbia evacuation exercise.

RESF-1 and RESF-1's staff support will continue to be engaged in the regional Incident Management and Response activities as staff support and as one of the contributor/ researcher for the final document. The ad hoc committee, created by the COG Board, will be guiding this process.

End-of-year recap:

- FY2010 programmed activities under this task have been completed or will be continued into FY2011. Staff supported the RESF-1 Committee on their variety of activities throughout the year, including support of RESF-1 involvement in the U.S. Department of Homeland Security Urban Area Security Initiative (UASI) Program; planning for and participating in various regional exercises; and supporting and participating in regional emergency preparedness planning as necessary with emergency management agencies and other functional sectors.
- RESF-1 successfully put forth three proposals for UASI during this year. These projects will enhance the Regional Integrated Transportation Information System (RITIS) and assist the District of Columbia in linking their evacuation activities with Maryland and Virginia.
- Update of the Regional Emergency Coordination Plan (RECP) was completed this year. Updates to the annexes will be continuing through to 2011.
- Liaison activities with MOITS regional transportation operations and technology planning were accomplished throughout the year.

D. Transportation Safety Planning

Staff requested and continued compiling 2010 information from the DOT's on deaths, injuries, and crashes related to the other safety emphasis areas in the Constrained Long Range Plan as input to future regional plans.

After agreeing on an indirect cost rate, COG and University of Maryland signed a purchase order for a scoping study on a transportation safety data mining tool. VDOT provided crash data for the University of Maryland CATT lab to analyze.

The new transportation safety planning staff person continued background research to come up to speed on regional planning activities in this area, with the assistance and advice of senior staff.

Staff attempted to schedule a meeting of the Transportation Safety Subcommittee for late June, but due to scheduling conflicts of key staff at the State DOT's, the meeting had to be pushed back until August.

FY 2011 programmed activities under this task have been completed or will be continued into FY 2012.

E. Bicycle and Pedestrian Planning

Staff prepared a briefing on the Street Smart Pedestrian and Bicycle Safety Program for the Loudoun County Board. Staff attended the June 7th meeting to the Loudoun County Board, together with Executive Director Dave Robertson. Answered questions from the Board about the program. Subsequently, the Loudoun County Board voted to provide the full suggested \$15,000 in funding for Street Smart. This is the first time Loudoun County has contributed to the program.

In furtherance of the Citizens Advisory Committee recommendation that the region adopt a Complete Streets policy, staff researched the Complete Streets concept as applied at the federal, state, and local level, and prepared a presentation for the July TPB Technical Committee meeting.

Staff served as a panelist, along with Ron Kirby, at a WAMU Community Dialogue forum on bicyclists and motorists. The title of the forum was "Cars, Pedestrians and Bicyclists: Can we All Get Along?" WAMU forums are intended to develop future radio program topics.

At the request of the Subcommittee Chair Staff drew up a brief memo on possible low or no-cost actions to improve bus/bike interactions, and discussed with Director Shane Farthing ways to incorporate specific bus safety messaging into bicycle training classes conducted by the Washington Area Bicyclist Association.

Staff attended a meeting of the pedestrian and bicycle safety group of COG's Institute for Regional Excellence forum, provided comments on the project scope and a planned survey of the region's pedestrian and bicycle planners.

FY 2011 programmed activities under this task have been completed or will be continued into FY 2012.

F. Regional Bus Planning

In response to a request from members of the TPB, a memorandum was drafted and submitted at the June meeting describing in detail the bus-supportive activities being undertaken, including completed projects, ongoing coordination efforts, and upcoming work. TPB staff also provided comments on a draft of WMATA Priority Corridor Network Plan for 2011, which further develops goals for improvements along major regional corridors, which would benefit both Metrobus and many local operators. TPB staff also met with a representative of private developers in the White Flint area looking to further refine their proposal for a section of dedicated Bus Rapid Transit.

FY 2011 End of the Year Recap

- Prepared 2011 Regional Bus Projects Priority List (updating the 2008 list) based on submissions from regional transit operators and presented an overview of the results to the TPB.
- Presented information to the TPB on Regional Bus Agencies, Light Rail and Streetcar Projects and Proposals, and a Summary of TPB Bus-Supportive Activities.
- Obtained input from regional transit operators on UPWP studies, including the Guidelines for Bus Priority Treatments, the FY 2012 Multimodal Coordination and Bus Hot Spots Study, and long-range planning efforts being conducted by MWCOG.
- Coordinated with other TPB Activities, including the Metropolitan Area Transportation Operations Coordination (MATOC) Program, the Regional Emergency Support Function-1 (RESF-1) Transportation Program, and the TPB Bicycle and Pedestrian Subcommittee.

G. Human Service Transportation Coordination

In the past twelve months, staff worked with the Human Service Transportation Coordination Task Force guide the development of regional projects for the 2011 solicitation and to identify potential sponsors of those projects. Staff developed a statement of priorities and released it for public comment. Staff also worked with the Task Force to develop a scope of work for an assessment of the JARC and New Freedom program and 35 projects funded through 2010.

Staff contributed to the development and release of a Request for Proposals for the assessment of the JARC and New Freedom programs, and participated in the selection committee for the selection of the consultant. Staff has managed the project by participating in an initial kick-off meeting with the consultant, refining the scope of work, gathering and submitting solicitation and grant documents for the consultant's review, providing guidance on potential sites to conduct peer review research, and reviewing and providing feedback on draft elements from the scope of work.

Staff also supported the ongoing regional coordination of key projects, including the Regional Transportation Information Clearinghouse and the D.C. Wheelchair Accessible Taxicab Pilot Project. Staff provided support to the JARC and New Freedom selection committee to ensure projects were consistent with the coordinated plan. Staff attended the annual conference of the Association of Metropolitan Planning Organizations in October in St. Louis and delivered a presentation on human service transportation planning and coordination with national partners.

H. Freight Planning

Staff developed two new surveys to be conducted over the next several months across the TPB region. The objective of each is to conduct outreach to TPB members and to sample a handful of freight stakeholders across the region (e.g. big box retailers, distribution centers, quarries). The TPB member survey aims to provide a better picture of TPB members' freight resources and land use information. The TPB region freight stakeholder survey aims to provide information on freight transportation issues important to freight stakeholders and to introduce them to the TPB Freight Program and its Freight Subcommittee.

In June, staff met with District of Columbia Department of Transportation planners. Staff identified land-use and freight resources that will support TPB work to learn more about freight movements in the region.

Staff attended the I-95 Corridor Coalition Executive Board Meeting, June 1, 2011.

Staff met with Frederick County and Cambridge Systematics to review the draft findings of the Frederick County Freight and Land Use Plan funded under the Transportation and Land Use Connections Program, June 8, 2011.

Staff participated in conference calls and provided comments on the Transportation Research Board Urban Freight Subcommittee Strategic Plan.

Staff participated in the Baltimore Metropolitan Council Freight Movement Task Force meeting on June 16, 2011.

The June 2011 *Focus on Freight* e-newsletter was prepared and published.

End of Year Recap:

- FY2010 programmed activities under this task have been completed or will be continued into FY2011.
 - Staff supported the Freight Subcommittee during their five regular meetings throughout the year.
 - Staff coordinated the TPB Regional Freight Forum held on April 27, 2011. Fifteen high-profile speakers and over 80 attendees participated at the Forum.
 - Staff coordinated with the Freight Subcommittee to develop a list of 10 Highlighted Freight Projects.
 - Staff also wrote the first National Capital Region Freight Plan 2010. The TPB approved the National Capital Region Freight Plan July 20, 2010.
- I. Metropolitan Area Transportation Operations Coordination Program Planning (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 planning support provided by TPB staff and a contractor team under this UPWP work task. In June 2011, under the guidance of staff, the contractor prepared for and participated in the MATOC Steering Committee meeting on June 10 and the MATOC Information Systems and Operations Subcommittees on June 9. The contractor also prepared technical and administrative materials in support MATOC's overall activities throughout the month. The completion of these activities completed work by the contractor team for the MATOC Program, with the contract coming to an end on June 30, 2011. Future work will be accomplished by the University of Maryland and by TPB staff.

Throughout the month, staff continued working with representatives of the District and Virginia Departments of Transportation and the University of Maryland on DDOT and VDOT processes for providing funding support for the MATOC Program. On June 22, a funding authorization was executed between the Virginia Department of Transportation and COG which will provide VDOT support to MATOC activities during MATOC's FY 2012 from VDOT's FY 2011 and FY 2012 funding. Also, DDOT and the University of Maryland developed a bilateral funding agreement between themselves for the same purpose.

Staff reviewed draft deliverables and other materials and provided feedback to the contractor, and helped preparations for the July 2011 MATOC meetings.

FY 2011 programmed activities under this task have been completed as of June 30, 2011.

3. FORCASTING APPLICATIONS

A. Air Quality Conformity

2011 CLRP & FY2012-2017 TIP: ; Staff updated the toll values for existing toll facilities in the region and completed test runs of the Version 2.3 travel demand model for the 2002 analysis year.

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

In June, COG/DEP staff performed the following:

- Coordinated with state air agencies and COG/DTP staff on obtaining 2011 VIN data to be used in the upcoming 2011 CLRP and the PM2.5 redesignation request and maintenance plan.
- Coordinated with COG/DTP staff on input data needs for MOVES runs for milestone years and on schedule for integrating this data into work associated with the PM2.5 maintenance plan.
- Coordinated with state air agencies and COG/DTP staff regarding fuel and I/M programs for the development of emissions for the 2011 CLRP for years 2002, 2016, 2020, 2030, and 2040.
- Kept up to date with various issues related to TPB's efforts to develop the Version 2.3 of the travel demand model and its development schedule alongside the schedule of the 2011 CLRP Conformity Analysis.
- Kept up to date with MARAMA MOVES modeling activities as part of the photochemical modeling exercise for the new ozone and fine particle standards.
- Staff attended the TRB and TRB-Technical Committee meetings.

B. Mobile Emissions Analysis

Staff attended a climate change workshop by AASHTO and sponsored by DDOT. Provided assistance to WMATA staff by developing MOBILE 6 RDT and DSF input files from their fleet information, needed for the development of WMATA bus emission rates. Attended internal staff meeting to review conformity and SIP schedules. Staff provided technical support to Commuter Connections in evaluating implemented TERMS by reviewing consultant work. Staff coordinated with the 2011 VIN data decoder software developer and finalized the contractual requirements to purchase the software. State air agencies were reminded to archive 2011 VIN data on July 1, 2011 and to forward them to DTP by the end of July for processing. Provided technical assistance to the Maryland Department of Environment staff on implementation of VIN decodes and conversion to MOBILE6.2 and MOVES input files.

All the products under this work program element were finalized and presented to their respective oversight committees. The products were: procedures and process for MOVES model inputs; updated greenhouse gas emissions inventories using MOVES model generated rates; and criteria pollutant emissions inventories using MOVES model rates.

C. Regional Studies

Regional Transportation Priorities Plan

During June, staff presented a draft scope for the Regional Transportation Priorities Plan (RTPP) to the Technical Committee and the TPB. At the June 15 meeting, TPB members raised concerns about the proposed schedule for completing the tasks to identify short-term and long-term priorities, the timing of public input, and the need for more details about the products of each task. Staff proposed that the scope be revised to address these concerns. The Board agreed to postpone considering the approval of the scope until the July 20 meeting.

CLRP Aspirations Scenario:

Staff worked on the modeling for a new sensitivity test for the CLRP Aspirations scenario that will analyze the impacts of a lower-cost “streamlined” variably priced network with less new construction of interchanges and more conversion of general purpose lanes to variably priced lanes.

Implementation Guideline for Prioritizing Bus Transit:

The final guidelines document was printed. The contractor hosted a webinar for interested parties on June 28, which had forty-seven registered viewers (not including multiple audiences). This was the final activity of this project, which closed at the end of the month and fiscal year.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff continued discussions with the Region’s Planning Directors on the process to be followed in updating Regional Activity Centers and Clusters for the 2010 to 2040 time horizon in relation to the COG Region Forward Initiative.

Staff responded to questions on the draft Cooperative Forecasting Round 8.0A TAZ-level land activity forecasts for the 2011 Constrained Long Range Plan Air Quality Conformity Analysis completed in May.

Staff completed analysis of the 5-year (2005-2009) American Community Survey (ACS) socio-economic characteristics data for jurisdictions in the metropolitan Washington region.

Staff completed processing data for the Annual Commercial Construction Report and prepared a draft technical report.

Staff provided the members of the Cooperative Forecasting and Data Subcommittee with technical support in reviewing the newly release results from the 2010 Census and an analysis comparing 2010 population and household totals by jurisdiction with jurisdictional Cooperative Forecasting estimates.

Staff researched private sector sources of employment data for individual establishments for the development of 2010 TAZ-level employment estimates for the Round 8.1 Cooperative Forecasting updates in FY 2012.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

Staff continued highway and transit network development, which involved continued review of the 3722 TAZ network database and other inputs used in the calibration/validation of the Version 2.3 model. Staff incorporated the 2010 CLRP VDOT amendments highway and transit changes into the network database.

Staff customized Version 2.2 toll setting scripts for the Version 2.3 model. The new toll setting scripts – equipped with distributive processing -- were tested in order to improve the HOV policy constraint, to reduce computing time, to find a better toll setting method with faster convergence. Staff successfully applied the Version 2.3 model for year 2040 using the HOT lane modeling process.

Staff attended a three-day online workshop Webinar on MOVES PM project level analysis hosted by EPA.

TPB staff continued work on highway and transit networks on the 3,722 TAZ system which will support the 2011 CLRP and FY 2012-2017 TIP air quality conformity planning SIP planning activities. Eight sets of highway and transit networks are currently planned to support the upcoming studies (2002, 2007, 2016, 2017, 2020, 2025, 2030, and 2040). The networks will be compliant with the new Version 2.3 Travel Demand Model.

B. GIS Technical Support.

Staff continued to monitor operational performance of the ArcGIS server.

Staff conducted a DTP GIS Users group meeting to demonstrate the use of new metadata tools and to inform users of updates to the spatial data library and technical documentation.

Staff completed the delineation of transportation analysis zones (TAZs) and transportation analysis districts (TADs) for the Census Transportation Planning Product.

Staff prepared user documentation on using ArcGIS and the NAVTEQ street address database to geocode household and business establishment address data to X-Y coordinates, TAZs and other geographic entities.

Staff prepared the agenda and meeting materials for the June 28th COG GIS Committee meeting to discuss the status of Geospatial Data Exchange Project for jurisdictions in the National Capital Region.

Staff attended the MD MSGIC executive committee meeting to increase GIS coordination among COG and state and local government agencies in Maryland.

C. Models Development

During the month of June, the models development staff continued work on the Version 2.3 travel model on the 3,722-TAZ area system and began the preparation inputs to the model in anticipation for upcoming conformity work.

Exogenous travel modeling inputs to the model were prepared and documented in a memorandum to internal TPB staff. Round 8.0a -based land use inputs to the model have begun and are anticipated to be completed during early July. Staff completed work on a "transit constraint" process that is compliant with the Version 2.3 during June. Staff has begun sensitivity testing of the Version 2.3 model. The results of these tests will likely be presented to the Travel Forecasting Subcommittee at its July meeting. TPB staff has also implemented updates to the model documentation.

TPB staff provided technical support to several agencies who had requested the draft Version 2.3 travel model which was made available at the end of April.

The models development staff provided an internal training session to other members of TPB's technical staff on how to apply the new Version 2.3 travel model on June 10.

Activities associated with the consultant contract, "Assistance on Travel Demand Model Development and Application," have also intensified during June. Cambridge Systematics, Inc. (CS) delivered three draft memoranda to TPB staff concerning the last three task orders of the fiscal year. TPB staff reviewed the documents and submitted comments to CS on June 27. On June 30, CS delivered a final FY 2011 report to TPB staff. As the contract period is nearing its end, staff has decided to prepare a request for qualifications (RFQ)

to re-bid this contract for the upcoming fiscal year (FY 2012). The RFQ (#11-009, "Assistance with development and application of the TPB travel demand model") was issued on June 9. It was published by being sent to both the Bidders Compendium and the Travel Model Improvement Program (TMIP) e-mail distribution list. On June 22, an optional pre-proposal briefing was held.

The deadline for bids was June 29. The selection meeting has been scheduled for July 11.

D. Software Support

Staff coordinated with ITFM staff to improve the performance of travel demand servers. While working with the models development staff, models applications staff tested the most recent iteration of the Version 2.3 model to ensure that the CLRP update work could be executed on the servers and on the personal computers.

Additional model convergence tests were executed in order to establish how the new model performs in an alternatives analysis setting. The results were documented in a technical memorandum that was distributed for internal review.

Staff cleaned up and arranged old model results in the N drive in order to free up storage space for future model runs. Staff also met with IT staff to discuss new computer, monitor and server purchases. Staff researched extensively available computer options and technical specifications as well as costs for two servers to replace the existing server that is out of warranty. Staff also tested the file management software, TreeSizeProfessional, and searched for software that can compare database files, which will be useful in reviewing database files widely used in the Version 2.3 model.

5. TRAVEL MONITORING

A. Cordon Counts

In response to comments, staff made a few minor changes and finalized the technical report for the spring 2010 Regional HOV monitoring project.

B. Congestion Monitoring and Analysis

Staff reviewed and commented on the District of Columbia's 2009 Automobile Travel Time Survey Report. Work associated with the arterial highway/travel time data collection project were completed and the draft report was being reviewed internally. A vendor continued data analysis by estimating density and levels of service by links from aerial photographs. The project progresses on schedule and a draft report is anticipated by the end of summer.

C. Travel Surveys and Analysis Household Travel Survey (HTS)

Staff continued to assist the models development team in reviewing analyses developed by team members for the calibration of the new Version 2.3 travel demand forecasting model.

Staff responded to questions on the 2007/2008 HTS and data requests for the HTS household, vehicle, person and trip files.

The selection panel for the review of proposals submitted in response to the RFP for the TPB 2011-2012 Household Travel Survey met and evaluated seven proposals. The selection panel recommended that the research consulting firm, Westat, headquartered in Rockville, MD be awarded the contract for the TPB 2011-2012 Household Travel Survey.

D. Regional Transportation Data Clearinghouse

Staff completed the re-design of the user interface for the Regional Transportation Clearinghouse and began developed of a prototype application based on this design.

Staff completed the update of all highway and transit system Clearinghouse databases.

Staff completed the linking and processing of available INRIX highway speed data to the Regional Transportation Clearinghouse highway network.

6. TECHNICAL ASSISTANCE

A. DISTRICT OF COLUMBIA

1. Program Development, Data Requests & Miscellaneous Services

No work activity during the reporting period.

2. FY10 DDOT Traffic Counts

Staff continued the reformatting of the CY 2010 7-day classification counts and 3-day volume counts in the spreadsheet format requested by DDOT.

Staff prepared the draft agenda for DDOT's monthly HPMS Coordinating Committee meeting.

Staff continued preparation of a DDOT Traffic Monitoring Program Report.

Staff prepared the 2010 AADT HPMS+ traffic data tables assisted in DDOT's HPMS submission to FHWA.

The contractor completed the first phase of the CY 2011 traffic counts.

3. Bicycle Counts

Staff completed the bicycle counts specified by DDOT and provided DDOT with the count data and summary tables of these counts by bike rider sex, race, and helmet usage.

4. WARD 6 Performance Based Parking Pilot Curbside Data Collection

The UPWP portion of this project is complete.

5. Truck and Bus Restriction Sign Survey Phase I

This DC technical assistance project was deleted from the FY 2011 UPWP in March, 2011.

6. 2009 Automobile Travel Time Survey – Phase II

Staff completed the technical report for this project and submitted it to DDOT.

B. MARYLAND

1. Program Development /Management

No work activity during the reporting period.

2. Miscellaneous Services

No work activity during the reporting period.

3. MDOT Training / Technical Support

No work activity during the reporting period.

4. SHA Western Mobility / Capitol Beltway Studies

No work activity during the reporting period.

5. MTA-Corridor Cities Transit way / Purple Line Transit

No work activity during the reporting period.

6. Project Planning / Feasibility Studies

Baltimore-Washington Parkway Feasibility Study: Staff attended a project team coordination meeting and worked on addressing consultant questions.

7. Traffic Impacts

No work activity during the reporting period.

8. Project Evaluation

No work activity during the reporting period.

9. Monitoring Studies

No work activity during the reporting period.

10. MD Statewide Travel Demand Model

No work activity during the reporting period.

11. Development / Refinement of Technical Methods

No work activity during the reporting period.

12. Transportation Land Use Connection (TLC)

By the end of June, which was the end of the fiscal year, all TLC technical assistance projects funded for FY2011 were completed.

The selection panel for the FY2012 round of projects met on June 30 and selected a package of project recommendations for funding. These recommendations were scheduled for approval by the TPB in July.

C. VIRGINIA

1. Program Development

Staff coordinated with VDOT staff on tasks for FY2012 Technical Assistance work scopes.

2. Miscellaneous Services

No work activity during the reporting period.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

Staff completed collecting and summarizing volume and occupancy data at HOV count stations along I-66 and I-395, and transmitted the data to VDOT.

4. Travel Forecast Model Refinements ("B-Node Model") Support

This VA funding for the project was carried over to a larger, re-scoped VA Technical Assistance Travel Model Support Project in FY 2012.

5. Data Mine State of the Commute Survey

Staff completed tabulations and analysis of 2007/2008 Household Travel Survey data for the Northern Virginia jurisdictions and transmitted a draft report to VDOT.

6. Northern Virginia Bicycle/Pedestrian Count Program

Staff completed field counts at Northern Virginia locations using VDOT's video counters, and transmitted the data to the device vendor for processing.

7. TransAction 2040 Plan Support

No work activity during the reporting period.

8. High Occupancy / Toll (HOT) lane Traffic Analyses

The amended 2010 CLRP / Quality Conformity Determination was approved by the TPB Board during its June meeting, this allowing VDOT to move ahead with the project development process for I-395 and I-66 as defined in the scope of work of the projects.

9. Travel Forecast Model Refinements

The VA technical assistance project was deleted from the FY 2011 UPWP and the funding for this project was carried over to a larger re-scoped VA Technical Assistance Travel Model Support Project in FY 2012.

10. Internal Nova Planning Database

This VA technical assistance project was deleted from the FY 2011 UPWP in March, 2011.

11. Other tasks yet to be defined

This VA technical assistance project was deleted from the FY 2011 UPWP in March, 2011.

D. **WMATA**

1. Program Development

The program manager reviewed the status of the projects in the technical assistance program.

2. Miscellaneous Services

No work activity during the reporting period.

3. Metrorail Station Access Alternatives Study

TPB staff provided comments on initial reports prepared by the consultants and attended an all-day work session to develop further

concepts for the study. Invitations were made to jurisdictional stakeholders for a mid-July meeting.

7. **CONTINUOUS AIRPORT SYSTEM PLANNING (CASP) PROGRAM**

A. Conduct 2009 Air Passenger Survey

This task is complete.

B. Process 2009 Air Passenger Survey

This task is complete.

C. Ground Access Forecast and Element Updates

Staff incorporated changes received on the draft report from the Aviation Technical Subcommittee and created a final report that was posted to the Web.

D. Ground Access Travel Time Study

Data collection and processing of travel time data for this study continued during the reporting period.

E. Other CASP Activities

No activity to report during the reporting period.

8. **SERVICES/SPECIAL PROJECTS**

CONSULTANT SUPPORT

1. Cambridge Systematics, Inc. – Technical Assistance – Travel Demand Model Development and Application - \$150,000.
2. Cambridge Systematics, Inc – Analysis of Financial Resources for the 2010 CLRP for the Washington Region - \$50,000.
3. MCV Associates - Traffic Count Program - \$60,000.
4. Shapiro Transportation Consulting, LLC – Technical Assistance – Travel Demand Model Development and Application - \$25,000

**FY 2011 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE June 30, 2011 FINAL**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	56,050.49	79%
B. Transportation Improvement Program (TIP)	240,600.00	210,512.58	87%
C. Constrained Long-Range Plan	588,400.00	526,025.43	89%
D. Financial Plan	64,000.00	60,706.87	95%
E. Public Participation	371,900.00	354,795.57	95%
F. Private Enterprise Participation	18,300.00	17,136.74	94%
G. Annual Report	80,100.00	84,066.62	105%
H. Transportation / Land Use Connection Program	395,000.00	359,133.85	91%
I. DTP Management	452,100.00	383,767.36	85%
SUBTOTAL	2,281,100.00	2,052,195.51	90%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	205,000.00	197,863.18	97%
B. Management, Operations & ITS Planning	340,300.00	287,448.15	84%
C. Emergency Preparedness Planning	75,400.00	62,069.35	82%
D. Transportation Safety Planning	125,000.00	96,173.52	77%
E. Bicycle and Pedestrian Program	108,700.00	100,031.14	92%
F. Regional Bus Planning	100,000.00	104,471.66	104%
G. Human Service Transportation Coordination Planning	174,800.00	165,029.52	94%
H. Freight Planning	150,000.00	124,783.69	83%
I. MATCO Program Planning & Support	150,000.00	125,208.52	83%
SUBTOTAL	1,429,200.00	1,263,078.73	88%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	543,079.10	96%
B. Mobile Emissions Analysis	640,100.00	557,920.21	87%
C. Regional Studies	766,150.00	578,767.11	76%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	604,059.84	83%
SUBTOTAL	2,696,250.00	2,283,826.26	85%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	730,067.53	95%
B. GIS Technical Support	548,800.00	491,369.36	90%
C. Models Development	971,200.00	908,143.53	94%
D. Software Support	178,900.00	156,605.41	88%
SUBTOTAL	2,468,600.00	2,286,185.83	93%

**FY 2011 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE June 30, 2011 FINAL**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
5. TRAVEL MONITORING			
A. Cordon Counts	250,800.00	185,308.16	74%
B. Congestion Monitoring and Analysis	475,000.00	454,413.85	96%
C. Travel Survey and Analysis			
Household Travel Survey	276,300.00	207,039.19	75%
D. Regional Transportation Clearinghouse	368,100.00	311,325.80	85%
SUBTOTAL	1,370,200.00	1,158,087.00	85%
SUBTOTAL CORE PROGRAM ITEMS 1-5			
	10,245,350.00	9,043,373.33	88%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	380,050.00	346,210.09	91%
B. Maryland	466,000.00	453,699.34	97%
C. Virginia	518,000.00	414,455.76	80%
D. WMATA	109,500.00	99,863.72	91%
SUBTOTAL	1,473,550.00	1,314,228.93	
TPB GRAND TOTAL	11,718,900.00	10,357,602.24	88%

**FY 2011 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**
FY-TO-DATE June 30, 2011 FINAL
SUPPLEMENT 1

10/4/2011

	COST CODES	TOTAL BUDGET		TOTAL EXPENDITURES		FTA/STA/LOC AUTHORIZED BUDGET		EXPENDITURES		PL FUNDS/LOC AUTHORIZED BUDGET		EXPENDITURES	
		BUDGET	AUTHORIZED	BUDGET	EXPENDITURES	BUDGET	AUTHORIZED	BUDGET	EXPENDITURES	BUDGET	AUTHORIZED	BUDGET	EXPENDITURES
A. District of Columbia													
1. Program Development, Data Requests & Misc. Services	040	10,050		9,123.98		2,341		2,125.65		7,709		6,998.33	
2. DDOT Traffic Counts	041	200,000		186,659.03		46,595		43,486.70		153,405		143,172.33	
3. Bicycle Counts	042	60,000		46,293.98		13,978		10,785.29		46,022		35,508.69	
4. Curbside Data Collection	043	60,000		58,565.94		13,978		13,644.34		46,022		44,921.60	
5. Truck and Bus Restriction	044	0		0.00		0		0.00		0		0.00	
6. 2009 Automobile Travel Time Survey	045	30,000		26,873.93		6,989		6,260.93		23,011		20,613.00	
7. WMATA Workgroup DC	046	20,000		18,693.23		4,659		4,355.04		15,341		14,338.19	
SUBTOTAL		380,050		346,210.09		88,542		80,657.95		291,508		265,552.14	
B. Maryland													
1. Program Development/Management	060	25,000		21,264.88		5,824		4,954.16		19,176		16,310.72	
2. Miscellaneous Services	061	6,000		18,293.18		1,398		4,261.84		4,602		14,031.34	
3. MDOT Training/Technical Support	062	10,000		8,348.90		2,330		1,945.08		7,670		6,403.82	
4. SHA-Western Mobility/Capital Beltway Studies	063	75,000		83,047.10		17,473		19,347.82		57,527		63,699.28	
5. MTA- Corridor Cities Transit way / Purple Line Transit	064	20,000		4,246.66		4,659		989.36		15,341		3,257.30	
6. Project Planning / Feasibility Studies	065	130,000		122,546.76		30,287		28,550.21		99,713		93,996.55	
7. Traffic Impacts	066												
8. Project Evaluation	067												
9. Monitoring Studies	068												
10. Statewide Travel Demand Model	069	5,000		2,940.26		1,165		685.00		3,835		2,255.26	
11. Development/Refinement of Technical Methods	070	75,000		74,308.52		17,473		17,311.95		57,527		56,996.57	
12. Transportation /Land Use	071	100,000		99,993.95		23,297		23,295.99		76,703		76,697.96	
13. WMATA Workgroup MD	072	20,000		18,709.13		4,659		4,358.74		15,341		14,350.39	
SUBTOTAL		466,000		453,699.34		108,566		105,700.15		357,434		347,999.19	
C. Virginia													
1. Program Development	080	15,000		10,445.60		3,495		2,433.55		11,505		8,012.05	
2. Miscellaneous Services	081	13,000		9,307.94		3,029		2,168.51		9,971		7,139.43	
3. NOVA. HOV Facilities Monitoring & Data Collection	082	275,000		223,560.37		64,068		52,083.75		210,932		171,476.62	
4. Travel Forecast Model ("B-node model") Support	083												
5. Data Mine State of the Commute Survey	084	50,000		32,372.15		11,649		7,541.87		38,351		24,830.28	
6. Nova Bike/Pedestrian Count Program	085	60,000		56,572.11		13,978		13,179.83		46,022		43,392.28	
7. TransAction 2040 Plan Support	086	20,000		829.25		4,659		193.19		15,341		636.06	
8. High Occupancy /Toll (HOT) Lane Traffic Analyses	087	65,000		62,017.56		15,143		14,448.48		49,857		47,569.08	
9. Travel Forecast Model Refinements	088												
10. Internal NoVa Planning Database	089												
11. Other Tasks Yet to defined	090												
12. WMATA Workgroup VA	091	20,000		19,350.78		4,659		4,508.23		15,341		14,842.55	
SUBTOTAL		518,000		414,455.76		120,681		96,557.42		397,317		317,898.34	
D. WMATA													
1. Program Development	100	10,000		9,838.28		10,000		9,838.28					
2. Miscellaneous Services	101	7,600		2,932.56		7,600		2,932.56					
3. Metrorail Station Access Alternative Study	102	91,900		87,092.88		91,900		87,092.88					
SUBTOTAL		109,500		99,863.72		109,500		99,863.72					
GRAND TOTAL		1,473,550		1,314,228.91		427,288		382,779.24		1,046,260		931,449.67	