

FY 2011

NATIONAL CAPITAL REGION
TRANSPORTATION PLANNING BOARD (TPB)
Work Program Progress Report
NOVEMBER 2010

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

777 North Capitol Street, N.E., Suite 300 - Washington, D.C. 20002-4239

Main 202/962-3200 - Fax 202/962-3201 – TTY 202/962-3212 – <http://www.mwcog.org>

PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

On November 5, the TPB Steering Committee approved an amendment to the FY 2011 UPWP to modify a project in WMATA's Technical Assistance Program.

Staff completed the development of an amendment that will increase the FY 2011 budget by \$722,000 and modify several work tasks. The Technical Committee was briefed on this amendment on November 3. The TPB was briefed on the amendment on November 17 and will be asked to approve it on December 15.

B. Transportation Improvement Program (TIP)

On November 5, the TPB Technical Committee was presented with a final draft of the FY 2011-2016 TIP and a briefing on the financial summary of the TIP that disaggregated funding by jurisdiction and agency, by funding source and by project type.

At its meeting on November 5, the TPB Steering Committee approved an amendment to the FY 2010-2015 TIP, as requested by VDOT to include additional funding for the reconstruction of an interchange at I-66 and US 29 and for the widening of a portion of US 29 between Nutley Street and I-495.

At its meeting on November 17, the TPB approved the FY 2011-2016 TIP.

C. Constrained Long-Range Plan (CLRP)

During the month of November, TPB staff continued to work on the performance analysis of the 2010 CLRP including VMT growth, congestion, accessibility to jobs, and green house gas emissions.

At its November 5 meeting, the TPB Technical Committee was briefed on the significant changes to and performance of the 2010 CLRP. This presentation was also given to the Council of Government's Air and Climate Public Advisory Committee (ACPAC) on November 15.

The public comment period on the 2010 CLRP, the FY 2011-2015 TIP and the associated Air Quality Conformity Assessment ended on November 13. TPB staff summarized the comments received and, together with staff from the appropriate agencies, composed responses that were presented to the TPB for their acceptance on November 17.

On November 17, the TPB received a briefing on the significant changes to and performance of the 2010 CLRP and FY 2011-2016 TIP. The Board was also

presented with the comments received on the plan and the proposed responses to those comments, which the Board accepted. The TPB then approved the 2010 CLRP, the FY 2011-2016 TIP and the associated Air Quality Conformity Assessment.

Following approval, TPB staff updated the CLRP web site (mwcoq.org/clrp) to reflect changes to the region's highway, HOV and transit projects. Documentation for other components of the CLRP was also update including the Financial Plan, the Congestion Management Process, the Freight Plan, and the Bicycle and Pedestrian Plan.

Also at its meeting on November 17, the TPB was presented with the Call for Projects for the 2011 Update to the CLRP. The Board requested that changes be made to the description forms for CLRP projects, to enhance the information available on how projects in the CLRP were contributing towards new goals such as the reduction of congestion and greenhouse gases. Following that discussion, the Board approved the Call for Projects for the 2011 CLRP.

D. Financial Plan

The draft Analysis of Financial Resources for the 2010 CLRP report, together with the 2010 CLRP documentation and the FY 2011-2016 TIP, were released for public comment at the Citizens Advisory Committee meeting on October 14. On November 17th, the TPB approved the 2010 CLRP which includes the financial analysis.

E. Public Participation

On November 4 and 6, staff conducted the sixth session of the TPB's Community Leadership Institute (CLI). The CLI provides a diverse array of community leaders with information on how to promote effective involvement in transportation decision making. The workshops were facilitated by former TPB chairs Peter Shapiro and Kathy Porter. This round of the Institute targeted leaders who are already involved in advocacy groups working on transportation issues. The sessions featured an interactive role-playing activity and an activity designed to encourage participants to understand the regional transportation funding shortfall and the difficult tradeoffs that are part of decision making.

Throughout November, staff performed work for the Regional Transportation Priorities Plan Scoping Task Force, which held its kickoff meeting on October 20. Based upon input from that first meeting, staff in November developed a straw man scope for the task force to review at its next meeting on December 15.

The November 10th meeting of the TPB Citizens Advisory Committee included presentations and discussion on the following: (1) WMATA's Regional Transit System Plan, (2) the first meeting of the TPB Priorities Plan Scoping Task Force, and (3) COG/Board of Trade Task Force on WMATA Governance.

F. Private Enterprise Participation

No work activity during the reporting period.

G. Annual Report

The November TPB News was produced and distributed.

H. Transportation / Land Use Connection Program (TLC)

Consultant contracts for the eight FY 2011 TLC projects (four of these projects are fully or partially funded under P.E. #6220.00.072, MDOT Technical Assistance – see 6.B.below) were finalized in November. Staff conducted kickoff meetings for six of these projects.

Staff finalized a draft program review of the TLC program that was prepared by the non-profit Reconnecting America. This report will be used to identify opportunities for enhancing and potentially expanding the program in the future. Staff worked on developing their own recommendations, based in part on the Reconnecting America review, to enhance the program.

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 participated in a national Webinar on Greenhouse Gas Reduction Strategies sponsored by AASHTO, and reported on the results of the TPB “What Would It Take?” Scenario.
- The DTP Director and John Swanson participated in a webinar on MPO structures and functions sponsored by the National Association of Regional Councils (NARC) and the National League of Cities (NLC).
- The DTP Director gave a presentation to World Bank staff and the Governor of Cavite, Philippines, on transportation planning in the Metropolitan Washington Region.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

On November 3, staff hosted a meeting at MWCOG and shared TPB’s experience of applying emerging private sector (I-95 Corridor Coalition/INRIX) data in metropolitan transportation planning processes and programs with staff from the Baltimore Metropolitan Council (BMC), the Maryland State Highway Administration (SHA), the University of Maryland (UMD), and the Delaware Valley Regional Planning

Commission. BMC, MWCOG, SHA and UMD staff supported further coordination on developing congestion performance measures.

Staff worked closely with the DTP Technical Service team to tackle Geographic Information System (GIS) issues encountered in applying the I-95 Corridor.

Coalition/INRIX data in the CMP, the TPB travel forecasting model, and the Transportation Data Clearinghouse.

Staff extracted October 2008 I-95 Corridor Coalition/INRIX data for the TPB travel forecasting model (version 2.3) validations.

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

- The Management, Operations, and Intelligent Transportation Systems (MOITS) Policy Task Force and Technical Subcommittee did not meet in November. Staff continued follow-up activities on the Strategic Plan, as well as maintenance and update work on the Regional ITS Architecture. There were no activities to report in the Traffic Signals Activities area.
- 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.).
- Staff participated via conference call in a November 9 meeting of the I-95 Corridor Coalition Steering Committee, focusing on management, operations, and technology-related activities of the Coalition.

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 activities; and is staffed by a Public Safety Planner from COG's Department of Public Safety and Health. The RESF-1 committee meeting was changed for November to an afternoon conference call on the normal meeting day to give committee members the opportunity to attend the Winter Weather Briefing presented at COG by the National Weather Service. During the conference call the committee was updated on upcoming drills and exercises and discussed a future proposal for a series of regional training on WMATA's new Emergency Operations Plan. This item will be voted on at the next meeting and then sent to the Exercise Training Oversight Panel.

During the month of November work continued on the NCR Investment Planning Process. Staff worked on contributing to the various Investment Plans and

incorporating comments from various Subject Matter Experts. The next RESF-1 meeting will be December 17th 2010. At this time the committee will review and provide comments or official sign off on the investment plans that have been assigned to the group for review.

D. Transportation Safety Planning

TPB staff revised the Safety Element of the 2010 Constrained Long Range Plan to reflect the most recent fatality and injury data available.

E. Bicycle and Pedestrian Planning

The TPB, District Department of Transportation and Royal Netherlands Embassy sponsored a two day bicycling workshop, "Thinkbike", November 15-16. TPB staff helped publicize the event, track registrations, participate in the workshop, and provide logistical support for the event. Nearly forty planners, engineers, consultants, and citizen activists from around the region participated in the full two-day workshop, which produced recommendations for improving the bike ability of two study areas in the District of Columbia.

Results are posted at http://dc.the-netherlands.org/News/News_Flashes/Recommendations_Thinkbike_workshop_DC.

TPB staff updated the bicycle and pedestrian element of the 2010 CLRP to reflect the new Bicycle and Pedestrian Plan for the National Capital Region.

At its November 23 meeting the Bicycle and Pedestrian Subcommittee adopted a list of top priority unfunded bicycle and pedestrian projects. This list is updated on an annual basis, and will be presented to the TPB in December.

The Subcommittee was briefed on the draft corporate sponsorship materials recently developed for Capital Bike share by DDOT, and discussed how COG might play a role in promoting the expansion of Capital Bikeshare into new jurisdictions.

The Subcommittee was also briefed on the WMATA Bicycle and Pedestrian Improvements Study, which was recently published.

Kristin Haldeman of WMATA was selected as Chair of the Subcommittee for 2011, replacing the current Chair, Jim Sebastian of DDOT.

F. Regional Bus Planning

At the monthly Regional Bus Subcommittee meeting, the lead coordinator for the Washington Regional Metropolitan Area Transportation Operations Coordination (MATOC) Program briefed participants on the capabilities of MATOC and the interests in improving incident response coordination, including the collection and use of real time transit information. In response to a request by Chairman Snyder, participants then reviewed a draft TPB staff memorandum and presentation providing an overview

of light rail and streetcar projects and proposals for the region, to be presented at the December TPB meeting.

G. Human Service Transportation Coordination

Staff prepared for the November 18 meeting of the Human Service Transportation Coordination Task Force. Staff prepared a handout on comments received on potential regional projects. A discussion was held on priority projects, and a briefing on the regional clearinghouse project was provided.

Staff prepared a detailed scope of work for a proposed assessment of the TPB's Job Access Reverse Commute and New Freedom program and projects.

Staff was interviewed by a consultant to Metropolitan Transportation Commission in San Francisco regarding the JARC and New Freedom program.

H. Freight Planning

- Staff coordinated the Freight Subcommittee meeting held November 4, 2010. Patrick Fleming of the Maryland Transportation Authority provided an update of the Intercounty Connector Project. Eulois Cleckley of the District of Columbia Department of Transportation briefed the group on the Diesel Anti-Idling Campaign underway between the District, Maryland Department of Environment and MWCOG. Staff briefed attendees on the process to select 10 Highlighted Freight Projects for the National Capitol Region.
- Staff reviewed the agenda and potential speakers for a Freight Forum with senior DTP staff. The Freight Forum will be held April 27, 2011 at the Hyatt Regency on Capitol Hill.
- Staff developed a draft list of 10 Highlighted Freight Projects via telephone and e-mail communications with the staff of the DOTs, the railroads, and Freight Subcommittee members.
- Staff prepared a *Focus on Freight* newsletter for November.

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 November 2010, under the guidance of staff, the contractor prepared for and participated in meetings of MATOC's committees, including the monthly MATOC Steering Committee meeting on November 19. The contractor also prepared technical and administrative materials in support MATOC's overall activities throughout the month.

Staff continued work on close-out progress documentation that is anticipated to be completed once all residual charges and activities (all of which will have been completed by September 30, 2010), are fully documented.

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

3. FORCASTING APPLICATIONS

A. Air Quality Conformity

Staff reviewed comments and drafted recommended responses for TPB approval of the 2010 CLRP and FY 2011-2016 TIP. Staff presented the conformity results to the TPB Technical Committee, and the TPB at their respective November meetings. The TPB approved the conformity analysis, along with the 2010 CLRP and FY2011-2016 TIP. Staff finalized the summary report and full report, and completed final report production for transmittal to the appropriate federal, state, and local agencies.

Staff completed documentation on the development of toll rates used in the conformity analysis. Staff began documentation of detailed travel demand and emission results.

Staff began incorporation of the 2010 CLRP projects into the expanded cordon (3722 TAZ) networks. This work included preparation of input files for an automated network update program (TIPUP), and manual link and attribute updates to the highway network database (TPBMAN).

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

In November, COG/DEP staff performed the following:

- Provided updates to MWAQC and TAC members on the 2010 CLRP analysis and worked on finalizing a comment letter from MWAQC to TPB on the conformity determination.
- Attended TPB and TPB-Technical Committee meetings.

B. Mobile Emissions Analysis

Staff assisted the DTP Director in preparing an AASHTO-sponsored webinar on MPO Analysis of GHGEmissions and Reduction Strategies titled "What Would It Take". The contents of the presentation reflected TPB's view of needed measures to meet COG's greenhouse reduction goals.

For the MOVES Task Force Meeting in January 2011, staff started the process of developing emissions inventories for five jurisdictions in Maryland, five in Virginia and the District of Columbia for years 2011, 2020, 2030 and 2040 for comparison purposes with the emissions inventories resulting using MOBILE6 and existing emissions inventories budgets. As part of the on-going testing of the MOVES 2010 model, staff compiled a matrix of findings and issues associated with MOVES2010 and MOVES2010a. Staff also concluded that the annual PM2.5 emissions are much more dependent on ambient temperature and the running cycle of a vehicle.

Staff attended meetings on Electrical Vehicle Initiatives in the region in order to remain up-to-date on the latest technological innovations in this field and to be able to respond to technical support requests as DOTs plan for electric vehicle charging stations in the metropolitan Washington region.

Staff responded to data requests from local governments and consultants. Technical assistance was provided in the form of MOBILE6 emissions factors to be used as inputs into the CAL3QHC dispersion program. Staff assisted the City of Bowie in making a determination on what data is needed for the development of CO₂ emissions inventories using the ICLEI model. The City of Bowie was referred to Arlington County for guidance since this jurisdiction had prior experience using the ICLE model. Staff provided a consultant with technical documentation on DTPs technical approach in allocating vehicle miles of travel by vehicle type at the county level.

Staff attended MOVES 2010a training seminars offered by FHWA on behalf of EPA.

C. Regional Studies

- CLRP Aspirations Scenario: After a coordination meeting on November 3, staff reviewed the travel demand model networks used in the study, estimated toll revenues from the managed lanes, and generated the final loaded network of the “full” alternative for streamlining the managed lane network and other preparatory tasks in anticipation of continued analysis of regional variably priced lanes. This work included identification and comparison of cross sections of all variably priced facilities as they currently exist, as they are in the CLRP, and as they are in the “Full Alternative” scenario of the Regional Value Pricing Study.

Implementation Guidelines for Prioritizing Bus Travel

Staff and consultants met with Northern Virginia staff and with Prince George’s County, City of Rockville, and Maryland state highway traffic engineering staff to discuss issues and challenges with implementing bus priority treatments. This concluded discussions with traffic engineering staff from the region’s jurisdictions, and a final report of the implementation Guidelines study is being developed for the end of the year.

- 14th Street Bridge Study: Staff researched and documented the issues behind the toll revenue calculation and bridge volume differences between the TPB and the project consultant estimates. These issues were discussed during a project coordination meeting with the consultant and the project's governmental stakeholders.

D. Coordination Cooperative Forecasting & Transportation Planning

The COG Board and the TPB officially adopted the Round 8.0 Cooperative Forecasts at their November meetings.

Staff responded to questions on the Cooperative Forecasting Round 8.0 TAZ-level databases of forecast employment, households and population growth for both the 2191- TAZ and 3722-TAZ area systems.

Staff continued work analyzing the Round 8.0 TAZ-level forecasts in the 3722-TAZ system by the Round 7.0 Regional Activity Centers and Clusters.

Staff began a dialogue with the Region's Planning Directors on the process to be followed in updating Regional Activity Centers and Clusters using the Round 8.0 Cooperative Forecasts for the 2010 to 2040 time horizon.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

Continuing refinements were made to the highway and transit networks that are being developed on the 3,722 TAZ system (for years 2007 and 2040). The networks are being used in the calibration and validation of the Version 2.3 model. Traffic assignment calibration work implemented thus far has led to the discovery of minor errors in the base year network which have been corrected. Numerous transit line corrections have been implemented in the 2040 transit network, which is currently being graphically reviewed using Cube Voyager software.

TPB staff is actively using the 2010 transit schedule information assembled from the local transit providers to update TPB's base year networks for the next air quality conformity cycle. Much of the transit schedule data is now in a geographically referenced form.

Network development staff also coordinated with other departmental staff in the GIS and MOITS areas to begin using INRIX speed data as a basis for evaluating modeled highway link speeds by time period. A substantial amount of speed data has been plotted and compared to simulated link speeds produced by the travel model. Work is now underway to more precisely related the INRIX speed data to individual highway links.

B. GIS Technical Support.

Staff continued to monitor the performance of ArcGIS 9.2 and the GIS server.

Staff continued to support the network coding team on the development of the Master Highway and Transit Network geodatabase for the 2007 and 2040 transportation networks for the new 3722-TAZ system.

Staff continued the mapping of Round 7.0 Regional Activity Centers in relation to the new 3722-TAZ system.

The GIS Committee held a work session on November 23, 2010 to finalize and issue the RFP for the GIS Data Exchange Project.

Staff briefed the Regional Chief Information Officers (CIO) Committee on the status of the GIS Data Exchange Project.

Staff continued development of materials for a meeting with departmental GIS users on updated GIS data in the spatial data library and new GIS tools and capabilities.

Staff began the upgrade of GIS workstation to ArcGIS version 9.3.1.

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

C. Models Development

Version 2.3 travel model calibration work has progressed in earnest during November. TPB staff has implemented changes to the trip generation and time of day steps based on comments from the TFS. These refinements were presented to the Travel Forecasting Subcommittee at its November 19 meeting. Staff has also moved forward on the calibration of the traffic assignment and trip distribution modeling steps. Speed and capacity assumptions used in the traffic assignment process have been adjusted based on hourly traffic counts and newly assembled INRIX speed data. Phil Shapiro, a consultant providing technical assistance and oversight to the Version 2.3 modeling effort, was contacted to provide comments on TPB's adjustments to the traffic assignment process. Mr. Shapiro submitted written documentation to TPB on November 9. Staff has also begun formulating the Version 2.3 model application code in Cube Voyager scripts.

Staff met with Cambridge Systematics, Inc. on November 22 to discuss proposed task orders for the current fiscal year, as part of the TPB's ongoing transportation research "scanning" contract. TPB anticipates receiving work scopes and budgets for two task orders. Additional tasks will be formulated after January 2011.

Staff has also spent several weeks documenting and verifying the modeling work accomplished for the purposes of the 2010 CLRP Air Quality Conformity

Determination. The model inputs and application files have been assembled into a package that will be used to service requests of the most recently adopted model, networks, and land activity.

TPB staff coordinated with USDOT staff to co-host the AMPO Travel Modeling Work Group meeting which occurred on November 4-5. This group is currently chaired by Ron Milone of the TPB staff. Among the agenda items was the ongoing AMPO Advanced Travel Modeling Study which is being funded by several MPOs across the U.S. (TPB is one of the funding agencies).

D. Software Support

Staff coordinated efforts with Information, Technology and Facilities Management (ITFM) staff in order to improve the performance of travel demand servers. As a result of some of the ongoing research, ITFM staff reconfigured the connection to the travel demand model servers in order to address periodic losses of connectivity.

5. TRAVEL MONITORING

A. Cordon Counts

No work activity during the reporting period.

B. Congestion Monitoring and Analysis

Staff presented the findings of the FY 2010 Arterial Travel time Survey to the Travel Forecasting Subcommittee. The presentation highlighted system performance along the surveyed routes, levels of service improvements and identified segments with significant level of service deterioration. In preparation for the FY 2011 Arterial Travel time Survey, staff handled logistical, administrative and contractual issues as well as coordination with the Maryland State Highway Administration.

Staff attended a number of meetings with staff handling the congestion management process to discuss coverage of the INRIX data, data analysis and performance measures.

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

Staff continued processing the supplemental HTS survey data collect for in three areas of Arlington County (Columbia Pike, Shirlington, and the Route 1/Jeff Davis corridor).

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.

D. Regional Transportation Data Clearinghouse

Staff continued the re-design and programming of the user interface for the Regional Transportation Clearinghouse.

Staff continued updating missing roadway names and route designation for new links in the Regional Transportation Clearinghouse highway network that is now based on the new 3722-TAZ system.

Staff continued the linking of monthly average weekday transit ridership by line to the 3722-TAZ transit 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 completed the processing of 7-day classification counts, 3-day volume counts and geo-referenced photographs of CY 2010 DDOT traffic count sites received from the contractor.

Staff completed the quality control review of the CY 2010 7-day classification counts and 3-day volume counts conducted by the contractor for this project and presented the results of this review to DDOT.

Staff began 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, participated in this meeting and drafted the meeting minutes.

Staff completed its work with DDOT on the HPMS "Review of Traffic Data" and "Quality Control Assessment" requested by FHWA.

Staff began preparation of a DDOT Traffic Monitoring Program Report.

3. Bicycle Counts

Staff checked and transmitted to DDOT the bicycle count data collected at approximately 5 to 10 locations that were requested by DDOT.

4. WARD 6 Performance Based Parking Pilot Curbside Data Collection

Field data collection for the Columbia Heights area portion of the project was completed. Staff began processing and tabulation of the Ward 6 and Columbia Heights curbside data with funding from a DDOT from a non-UPWP funding source.

5. Truck and Bus Restriction Sign Survey Phase I

No work activity during the reporting period.

6. 2009 Automobile Travel Time Survey – Phase II

No work activity during the reporting period.

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. Western Mobility / I-270 Studies

As a part of the ongoing I-270 Study and in response to a Maryland SHA request, staff continued evaluating applicability of different measures of effectiveness for the study. As a part of this effort, staff created and executed a number of summary programs. Staff also provided troubleshooting assistance either one of the alternatives to the MD SHA consultant working on the project.

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

No work activity during the reporting period.

6. Project Planning / Feasibility Studies

- Maryland Managed Lanes Study: At the November MD SHA / TPB coordination meeting, TPB staff presented an overview of the Managed Lanes Study and the final report to MD SHA staff.

- A before and after assessment of the Intercounty Connector: As the first segment of the Intercounty Connector (ICC) is approaching completion, MD SHA requested an evaluation of the ICC connector across a wide range of performance measures. TPB staff began working on such an assessment using the most recent Round 8.0 demographic data. This study is being initiated to assess demand in the ICC corridor before and after the facility opens. TPB staff has been preparing the scope of work for the study by reviewing pertinent data and drafting a narrative of proposed services.
- Baltimore-Washington Parkway Study: In response to a request from the Federal Highway Administration (FHWA), TPB staff met with FHWA staff to discuss TPB's potential role in the FHWA's Baltimore-Washington Parkway Study. Following the meeting, TPB staff evaluated the regional model performance in the study area by examining observed and simulated traffic patterns. TPB staff prepared and transmitted a draft scope of work to FHWA staff.
- Montgomery County BRT Study: In response to a data request from the Montgomery County BRT Study project manager, TPB staff transmitted a table containing the 2010 CLRP projects and a brief summary of project changes relative to the 2009 CLRP (presented before the TPB in October of 2010).

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

Staff started exploring projects of BCA.NET supported by FHWA to conduct a benefit analysis for Maryland SHA's interchange/corridor improvement projects. A variable list necessary for model execution based on studying the example projects was created.

12. Transportation Land Use Connection (TLC)

As part of the Transportation/Land-Use Connections Program (1.H. above), four technical assistance projects in Maryland are being fully or partially funded under this PE number. In November, consultant contracts for these projects were finalized and kickoff meetings were held to initiate them. See 1.H. above for further details about the TLC Program.

c. VIRGINIA

1. Program Development

In response to a request from Northern Virginia jurisdictions, TPB staff met with their representatives to discuss a potential TPB role in developing a long range plan (Transaction 2040) for Northern Virginia jurisdictions.

2. Miscellaneous Services

VDOT authorized staff to prepare some customized travel model data for Arlington County. Staff completed this data request and transmitted the customized travel model data to Arlington County's consultant.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

Staff completed all of the HOV traffic and occupancy counts at the locations identified by VDOT personnel and began the processing of these traffic and occupancy count data.

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

No work activity during the reporting period.

5. Data Mine State of the Commute Survey

No work activity during the reporting period.

6. Northern Virginia Bicycle/Pedestrian Count Program

No work activity during the reporting period.

7. TransAction 2040 Plan Support

No work activity during the reporting period.

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

No work activity during the reporting period.

9. Travel Forecast Model Refinements

No work activity during the reporting period.

10. Internal NoVA Planning Database

No work activity during the reporting period.

11. Other tasks yet to be defined

No work activity during the reporting period.

D. WMATA

1. Program Development

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

2. Miscellaneous Services

No work activity during the reporting period.

3. Metrorail Station Access Alternatives Study

At its November 5th meeting, the Steering Committee amended the FY UPWP to delete the project entitled: *Study of the Development Impacts of Metrorail* and replace it with the project: *Metrorail Station Access Alternatives Study*.

7. CONTINUOUS AIRPORT SYSTEM PLANNING (CASP) PROGRAM

A. Conduct 2009 Air Passenger Survey

This task is complete.

B. Process 2009 Air Passenger Survey

Staff continued preparation of the geographic findings reports for the survey. The draft geographic findings report was presented at the November Aviation Technical Subcommittee meeting. Committee members were provided 30 days for the comment period. A final draft is anticipated to be completed by the January meeting.

C. Ground Access Forecast and Element Updates

1. Update Air Passenger Ground Access Forecasts (Phases 1 &2)

Staff continued preparation of the Air Passenger Ground Access Forecasts, Phase 1 (Origin/Destination Forecasts), in accordance with the scope of work and schedule reviewed and approved by the Aviation Technical Subcommittee at its July 2010 meeting. Subcommittee members received an initial draft of the report at the November 2010 meeting.

2. Ground Access Element Update

Staff continued preparation of a PowerPoint presentation of the findings and recommendations from the Ground Access Element Update that will be presented to the TPB Technical Committee and the TPB at their December meeting.

D. Ground Access Travel Time Study

Ground access routes to be surveyed in the study were presented to the Subcommittee members. The members finalized and approved the list of routes at the November meeting. A data collection plan will be prepared for the January meeting of the Subcommittee.

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 – \$25,000

**FY 2011 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE NOVEMBER 30, 2010**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	37,792.44	53%
B. Transportation Improvement Program (TIP)	240,600.00	61,508.52	26%
C. Constrained Long-Range Plan	588,400.00	284,178.02	48%
D. Financial Plan	64,000.00	46,030.16	72%
E. Public Participation	371,900.00	196,082.01	53%
F. Private Enterprise Participation	18,300.00	1,238.97	7%
G. Annual Report	80,100.00	7,359.32	9%
H. Transportation / Land Use Connection Program	395,000.00	75,817.80	19%
I. DTP Management	452,100.00	157,983.90	35%
SUBTOTAL	2,281,100.00	867,991.15	38%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	155,000.00	53,020.18	34%
B. Management, Operations & ITS Planning	340,300.00	120,744.01	35%
C. Emergency Preparedness Planning	75,400.00	26,091.22	35%
D. Transportation Safety Planning	100,000.00	7,688.44	8%
E. Bicycle and Pedestrian Program	108,700.00	59,217.89	54%
F. Regional Bus Planning	100,000.00	55,119.82	55%
G. Human Service Transportation Coordination Planning	114,800.00	42,100.58	37%
H. Freight Planning	130,000.00	50,293.89	39%
I. MATCO Program Planning & Support	150,000.00	25,900.86	17%
SUBTOTAL	1,274,200.00	440,176.90	35%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	327,739.81	58%
B. Mobile Emissions Analysis	640,100.00	335,853.44	52%
C. Regional Studies	565,800.00	184,984.49	33%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	185,788.67	26%
SUBTOTAL	2,495,900.00	1,034,366.41	41%

**FY 2011 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE NOVEMBER 30, 2010**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	276,056.49	36%
B. GIS Technical Support	548,800.00	212,281.72	39%
C. Models Development	1,221,200.00	360,950.86	30%
D. Software Support	178,900.00	19,363.92	11%
SUBTOTAL	2,718,600.00	868,652.99	32%
5. TRAVEL MONITORING			
A. Cordon Counts	250,800.00	11,970.69	5%
B. Congestion Monitoring and Analysis	475,000.00	101,357.79	21%
C. Travel Survey and Analysis Household Travel Survey	456,300.00	72,689.72	16%
D. Regional Transportation Clearinghouse	368,100.00	129,279.19	35%
SUBTOTAL	1,550,200.00	315,297.38	20%
SUBTOTAL CORE PROGRAM ITEMS 1-5			
	10,320,000.00	3,526,484.83	34%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	401,050.00	120,097.66	30%
B. Maryland	815,500.00	114,229.16	14%
C. Virginia	764,600.00	124,394.59	16%
D. WMATA	194,500.00	0.00	0%
SUBTOTAL	2,175,650.00	358,721.41	
TPB GRAND TOTAL	12,495,650.00	3,885,206.24	31%

**FY 2011 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
FY-TO-DATE NOVEMBER 30, 2010
SUPPLEMENT 1**

	COST CODES	TOTAL AUTHORIZED BUDGET	TOTAL EXPENDITURES	FTA/STAILOC AUTHORIZED BUDGET	EXPENDITURES	PL FUNDS/LOC AUTHORIZED BUDGET	EXPENDITURES
A. District of Columbia							
1. Program Development, Data Requests & Misc. Services	040	26,050	1,981.16	2,345	178.30	23,706	1,802.85
2. DDOT Traffic Counts	041	200,000	38,923.53	18,000	3,503.12	182,000	35,420.41
3. Bicycle Counts	042	60,000	19,486.19	5,400	1,753.75	54,600	17,732.44
4. Curbside Data Collection	043	60,000	59,706.79	5,400	5,373.58	54,600	54,333.21
5. Truck and Bus Restriction	044	25,000	0.00	2,250	0.00	22,750	0.00
6. 2009 Automobile Travel Time Survey	045	30,000	0.00	2,700	0.00	27,300	0.00
SUBTOTAL		401,051	120,097.66	36,095	10,808.75	364,957	109,288.92
B. Maryland							
1. Program Development/Management	060	25,000	4,309.39	2,250	387.84	22,750	3,921.55
2. Miscellaneous Services	061	50,500	5,761.18	4,545	518.50	45,955	5,242.68
3. MDT Training /Technical Support	062	50,000	5,309.46	4,500	477.85	45,500	4,831.61
4. SHA-Western Mobility/Capital Beltway Studies	063	75,000	61,736.46	6,750	5,556.25	68,250	56,180.21
5. MTA- Corridor Cities Transit way / Purple LineTransit	064	50,000	0.00	4,500	0.00	45,500	0.00
6. Project Planning / Feasibility Studies	065	160,000	28,059.42	14,400	2,525.35	145,600	25,534.07
7. Traffic Impacts	066	95,000	0.00	8,550	0.00	86,450	0.00
8. Project Evaluation	067	40,000	1,692.50	3,600	152.32	36,400	1,540.17
9. Monitoring Studies	068	45,000	0.00	4,050	0.00	40,950	0.00
10. Statewide Travel Demand Model	069	50,000	3,102.96	4,500	279.27	45,500	2,823.70
11. Development/Refinement of Technical Methods	070	75,000	4,257.78	6,750	383.20	68,250	3,874.58
12. Transportation /Land Use	071	100,000	0.00	9,000	0.00	91,000	0.00
SUBTOTAL		815,502	114,229.16	73,395	10,280.58	742,107	103,948.58
C. Virginia							
1. Program Development	080	15,000	52.00	1,350	4.68	13,650	47.32
2. Miscellaneous Services	081	20,000	9,831.19	1,800	884.80	18,200	8,946.39
3. NVA, HOV Facilities Monitoring & Data Collection	082	275,000	113,931.29	24,750	10,253.83	250,250	103,677.45
4. Travel Forecast Model ("B-node model") Support	083	70,000	0.00	6,300	0.00	63,700	0.00
5. Data Mine State of the Commute Survey	084	50,000	0.00	4,500	0.00	45,500	0.00
6. Nova Bike/Pedestrian Count Program	085	60,000	580.11	5,400	52.21	54,600	527.90
7. TraqnsAction 2040 Plan Support	086	64,000	0.00	5,760	0.00	58,240	0.00
8. High Occupancy /Toll (HOT) Lane Traffic Analyses	087	50,000	0.00	4,500	0.00	45,500	0.00
9. Travel Forecast Model Refinements	088	55,000	0.00	4,950	0.00	50,050	0.00
10. Internal NoVa Planning Database	089	30,000	0.00	2,700	0.00	27,300	0.00
11. Other Tasks Yet to defined	090	75,600	0.00	6,804	0.00	68,796	0.00
SUBTOTAL		764,600	124,394.59	68,814	11,195.52	695,786	113,199.06
D. WMATA							
1. Program Development	100	10,000	0.00	10,000	0.00	0	0.00
2. Miscellaneous Services	101	7,600	0.00	7,600	0.00	0	0.00
3. A Study of the Development Impacts of Metrorail	102	176,900	0.00	176,900	0.00	0	0.00
SUBTOTAL		194,500	0.00	194,500	0.00	0	0.00
GRAND TOTAL		2,175,654	358,721.41	372,804	32,284.85	1,802,850	326,436.56