

FY 2011

**NATIONAL CAPITAL REGION
TRANSPORTATION PLANNING BOARD (TPB)
Work Program Progress Report
JULY / AUGUST 2010**

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

The work continued on monitoring the FY 2011 UPWP which began on July 1, 2010.

B. Transportation Improvement Program (TIP)

At their July 9 meeting, TPB Staff briefed provided the Technical Committee with a Draft of the FY 2011-2016 TIP. Over the months of July and August, TPB staff assisted member agencies with their revisions to the Draft FY 2011-2016 TIP.

On July 9, the TPB Steering Committee approved three amendments to the FY 2010-2015 TIP. The first amendment was requested by the TPB to include TIGER grant funds for a Regional Priority Bus Project. The second amendment was requested by DDOT to modify funding amounts for 24 projects funded by ARRA and other sources. The third amendment was requested by VDOT to include funding for the Crystal City-Potomac Yards Transit Way in Arlington County and the I-66 Multi-Modal Transportation and Environmental Study in Fairfax and Prince William Counties.

C. Constrained Long-Range Plan (CLRP)

In August, TPB staff met with agency users of the iTIP database system to discuss proposed upgrades to the online application that member agencies use to submit their project information for the CLRP, TIP and Air Quality Conformity analysis. Staff began work with their consultant at AmericanEagle.com to begin these updates.

D. Financial Plan

The consultant tabulated all cost and revenue forecast data received from the DOTs and localities and incorporated them into an initial draft final report. On September 1, the Technical Committee will be updated on the key issues and results from the draft report on the financial analysis for the 2010 CLRP. The draft final report is scheduled to be distributed to the financial working group on September 17.

E. Public Participation

On July 15, the Chairman and a Vice Chairman of the WMATA Riders Advisory Council (RAC) spoke to the CAC. They described the Council's structure and work, and discussed ways in which the two committees could interact, including the potential for joint effort related to the WMATA Governance Review Task force. The CAC was also briefed on updates to the regional Bicycle and Pedestrian Plan. Finally, the CAC discussed follow-up activities to the May 26 Conversation on Setting Regional Transportation Priorities with special consideration of the TPB staff proposal for next steps.

On July 21, the TPB voted to establish a task force, as follow-up to the Conversation event of May 26, to determine a scope and process for the development of a regional transportation priorities plan. In July and August, staff began preparation of follow-up activities derived from the Conversation. These activities include: development of a regional inventory or state, local and sub-regional transportation priorities; research on the unconstrained planning activities of other MPOs; and development of new public information materials that will provide clear and accessible information on the current regional transportation planning process.

F. Private Enterprise Participation

No activity to report during this period.

G. Annual Report

The July-August TPB News was produced and distributed.

H. Transportation / Land Use Connection Program (TLC)

On July 21, the TPB approved eight projects that had been recommended for funding by the TLC selection panel. For each of these projects, staff sent a request for proposals (RFP) to interested consultants who are included on the list of the program's pre-qualified consultants. Selection of consultants will occur in September.

Staff made comments on a draft evaluation report on the TLC program from Reconnecting America. This evaluation will be used to identify opportunities for developing and potentially expanding the program in the future. The evaluation will require extensive further research, but staff anticipates the evaluation will be ready for release in October.

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 attended several meeting of the Joint Board of Trade / COG Task Force on WMATA Governance.
- The DTP Director attended a lunch meeting at APTA on planning for the Railvalution conference scheduled to be held in Washington in the fall of 2011.
- Two members of the DTP staff have been assigned to participate in the planning for this conference.
- The DTP Director and other members of the DTP staff met with senior staff of the Brookings Institution to discuss the new FHWA grant to study public acceptability of road-use pricing in the Washington region.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

- Staff continued research and explored future applicability of travel time reliability measures for the CMP.
- Staff developed a preliminary framework of the National Capital Region Congestion Report, a concise multimodal congestion summary that is currently under development and expected to be updated quarterly.
- Staff shared experience on utilizing the I-95 Corridor Coalition Vehicle Probe Project (INRIX) data by submitting an article to AMPO Metros Quarterly and a paper to the TRB 2011 Annual Meeting.
- In July, staff monitored a webcast offered by the I-95 Corridor Coalition Vehicle Probe Project on INRIX arterial data validation studies.
- In August, staff participated in the monthly I-95 Corridor Coalition Vehicle Probe Project team webcast and obtained the latest status regarding the INRIX data coverage expansion in Maryland. Staff also attended a TRB webinar on “Predicting Travel Time Reliability: Methods and Implications for Practice”.

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

- The Management, Operations, and Intelligent Transportation Systems (MOITS) Policy Task Force and Technical Subcommittee met on July 13, 2010, focusing on a presentation by WMATA staff on their real-time parking information study.
- Real-time parking information was previously identified as a strategic effort identified in the FY2010 MOITS Strategic Plan. MOITS also discussed the latest progress on the Metropolitan Area Transportation Operations Coordination (MATOC) Program; see also Item 2.I.
- Staff continued coordinating with the Regional Emergency Support Function #1 – Emergency Transportation Program, Committee, and staff, including participation in the August 13 RESF-1 Committee meeting. See also Item 2.C.
- Staff began follow-up work to the Strategic Plan for the MOITS Planning Program, which was approved by the TPB on June 16.
- Traffic Signals Activities: No activities to report.
- Regional ITS Architecture Activities: Staff continued maintenance and update work on the Regional ITS Architecture.
- Staff participated in a periodic meeting of the Operations Work Group of the Association of Metropolitan Planning Organizations, July 26 – 27 in Boston, Massachusetts. The group exchanged ideas among national peers in MOITS-

related planning, and advised FHWA staff on their upcoming publications on management and operations.

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 scheduled for July 9th 2010 had to be cancelled due to committee chair schedule conflicts. The RESF-1 committee did, however, meet the following month on August 13th 2010. At this meeting the committee had a discussion of the role of MOUs in transportation and transit agencies as a tool to facilitate mutual aid operations. The committee also, during the August meeting, held a substantive work session on the update to the Regional Emergency Coordination Plan (RECP). At this work session the committee commented on updates, provided by staff, to the RESF-1 Transportation chapter of the document. The RESF-1 staff person then assimilated the committee members' comments and submitted the work to the Emergency Managers Planner tasked with the project.

During the month of July and August RESF-1 staff person also worked with the committee chairs to further assist in the NCR Strategic Planning process as well as the UASI Investment Justification process. Coordination, document review, and subject matter expertise were provided in these efforts. RESF-1 staff will continue to work with RESF-1's chairs as well as TPB staff to prepare and drive committee work.

D. Transportation Safety Planning

Staff attended a meeting of the distracted driver emphasis team for the implementation of the Maryland State Highway Safety Plan in Hanover, MD.

E. Bicycle and Pedestrian Planning

Staff, with the advice and supervision of the Bicycle and Pedestrian Subcommittee, completed the 2010 update to the Bicycle and Pedestrian Plan for the National Capital Region, and prepared a draft to be presented to the TPB Technical Committee.

The 2010 bicycle and pedestrian plan identifies major bicycle and pedestrian projects the region wishes to carry out by 2040 and contains both funded and unfunded projects.

The project database will be updated on an annual basis, and that update will be the basis for an annual progress report to the TPB on the implementation of the Bicycle and Pedestrian Plan, as specified in *Region Forward*.

At its July meeting the bicycle and pedestrian subcommittee was briefed on the most recent draft of the bicycle and pedestrian plan and provided comments and suggestions. The Citizens Advisory Committee was also briefed on the plan.

The Subcommittee also discussed the Street Smart pedestrian and bicycle safety program, the Capital Bikeshare/Tiger II grant proposal, and various jurisdictional initiatives.

A working group on regional long-distance bike routes met directly afterwards to discuss the possibility of extending US Bike Route 1 through the District of Columbia and Maryland, as well as the possibility of designating certain other long-distance routes through the region in cooperation with various stakeholders including the Department of Transportation, the DOT's, the National Park Service, and groups such as the East Coast Greenway Alliance and Adventure Cycling. TPB staff was tasked with inventorying the various efforts under way in the region to designate both on-road and off-road long distance bicycling routes.

F. Regional Bus Planning

An Regional Bus Subcommittee meeting was held on August 3rd. Items of discussion included review of a regional transit overview memorandum to respond to a TPB request and PowerPoint prepared for the TPB, a roundtable discussion on use of real-time passenger information by bus operators, and a review of the Bus Priority Treatments Guidelines report under development.

G. Human Service Transportation Coordination

- Staff contributed to the development of the COG Title VI Plan to ensure nondiscrimination in all programs and activities. Based on feedback from the Human Services Transportation Coordination Task Force, staff drafted a list of recommendations to make to the region's Congressional delegation for changes to be made to the JARC and New Freedom programs in the next surface transportation authorization.

H. Freight Planning

- Staff organized the Freight Subcommittee meeting for July 8, 2010. Anne Ferro, Administrator of the Federal Motor Carrier Safety Administration presented.
- Staff presented the *National Capital Region Freight Plan 2010* to the TPB Technical Committee on July 9, 2010.
- Staff participated in the Diesel Idle Reduction Campaign kick-off on July 13, 2010.
- Staff attended the DVRPC Quarterly Freight Subcommittee meeting on July 14, 2010.
- On July 21, 2010 staff presented and the TPB approved the *National Capital Region Freight Plan 2010*.

- Staff attended the Aviation Technical Subcommittee on July 22, 2010.
- Staff prepared the *Focus on Freight* newsletter for July and another for August/September.

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. The mission of the MATOC Program is to monitor, analyze, and provide stakeholder notifications and traveler information to promote situational awareness of regional traffic and transit conditions on a real-time basis, especially during major incidents. MATOC's operational and implementation activities are being funded outside the UPWP. This UPWP work task provides planning support for the MATOC Program, including committee support, outreach, and technical, legal, financial, and administrative planning.

Work under this task in July and August 2010 included:

- Under the guidance of staff, the consultant team prepared for and participated in meetings of MATOC's committees, including the monthly MATOC Steering Committee meetings on July 20 and August 17, as well as meetings of the MATOC Information Systems Subcommittee and the MATOC Operations Subcommittee on August 12.
- Staff continued administrative work with the MATOC partner agencies (DDOT, MDOT, VDOT, and WMATA), planning for the ongoing administration of MATOC past the now-extended September 30, 2010 expiration of the original federal grant. Staff also reviewed draft deliverables and other materials and
- provided feedback to the contractor, and helped preparations for the September MATOC meetings.
- Staff advised the University of Maryland on its development of a multi-year work plan for the MATOC Program.

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

For the air quality conformity assessment of the 2010 CLRP and FY2011-2016 TIP, staff completed the coding of transit networks for travel demand input for the 2020, 2030, and 2040 forecast years. This work involved starting with the base transit network files that reflect service in the region that is current to Spring, 2010, and then

adding transit projects in the 2010 CLRP that will be open for use by the end of each forecast year. Highway network development included increases in toll rates on existing toll facilities to reflect current tolls.

With the approval of the Round 8 Cooperative Forecasts, staff developed land activity based input files (modified land use, external trips, thru trips) for the travel demand model. Staff prepared Mobile6 model input files for the 2011, 2020, 2030, and 2040 forecast years. Staff completed travel demand and emissions estimates for the 2011 and 2020.

Department of Environment (DEP) staff reviewed Mobile6 model inputs for all forecast years. This work involved examination of files needed for developing on road mobile emissions for an average ozone season day for ozone, for the whole year for PM_{2.5}, and for an average winter season day for Carbon Monoxide.

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 July TPB meeting and air quality conformity consultation elements.

B. Mobile Emissions Analysis

Staff continued to work on the final input average speed distribution for the MOVES2010 model. Staff also researched the extended idling of heavy duty vehicles and prepared a memo on the subject. Staff continued work on the impact of start-up emissions and the high start-up emissions rate in the MOVES model. Staff developed a plan to test the idea of distributive process of using multiple computers to run the MOVES model.

Staff updated the TERM Tracking Sheet to include emissions benefit estimates for 2011 and in the process of estimating benefits for analysis 2040.

The MOVES Task Force met on July 20, 2010 and the members were briefed on the progress in developing local inputs, including SIP temperatures, ramp fractions, start component, and average speed distribution.

The Travel Management Subcommittee did not meet during July 2010 but staff updated the committee on the work program activities undertaken by staff.

DEP staff prepared the July 20, 2010 MOVES task force meeting minutes and coordinated with COG/DTP staff regarding developing the agenda and other activities for the September 21, 2010 MOVES task force meeting.

DEP staff provided DTP staff the meteorology data in the MOVES format for MOVES based on road emissions development for the conformity analyses for the 1997 ozone and PM_{2.5} standards and the 1971 CO standard. Continued to work collaboratively with DTP staff on analysis of data inputs needs for the MOVES model.

DEP staff coordinated with EPA regarding development of meteorology inputs for MOVES based on road emissions development for the conformity analyses for the 1997 ozone and PM2.5 standards and the 1971 CO standard. Also coordinated with EPA on the methodology (seasonal vs. monthly) to develop annual on road mobile emissions for the 1997 PM2.5 standard.

DEP staff coordinated with states on developing fuel program and I/M program information for MOVES model for running MOVES scenarios for different test years.

DEP staff continues to follow MARAMA MOVES modeling activities as part of photochemical modeling for the new ozone and fine particle standards and also received latest updates from EPA OTAQ staff on the MOVES model.

C. Regional Studies

In August, staff completed the analysis and final documentation of the “CLRP Aspirations” scenario. Staff finalized results of the full scenario analysis, as well as travel demand and accessibility analysis of a land-use sensitivity. Staff completed a final report and a final presentation, which will be presented to the TPB Technical Committee, TPB, and the TPB CAC in September.

TPB staff also worked extensively in July and August assisting with 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 application, requesting \$5 million in federal funds, was submitted on August 23. A large component of the proposed project would be focused on transportation issues and would include public involvement activities. Staff also completed and submitted the application for the TPB's TIGER II Grant Proposal for a regional bike sharing project.

Implementation Guidelines for Prioritizing Bus Transit

As requested by the contract, a letter authorizing work in the new fiscal year was issued by the COG Contraction Officer. The consultant provided the deliverable for Task 3, a set of draft implementation guidelines. The document was disseminated to regional stakeholders for review, and extensive comments were collected and compiled by the consultant.

D. Coordination Cooperative Forecasting & Transportation Planning

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

Staff made a presentation on the Round 8.0 forecast to the TPB Technical Committee in July.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

The evaluation of 2007 highway and transit networks developed over the 3,722 TAZ system in support of the Version 2.3 model has continued. Cube based routines for path building and network skimming have been established. Transit accessibility plots have been prepared as an additional quality control check. Transit accessibility data have been used in the calibration of the Version 2.3 demographic models (described below). Work on the development of a future-year (2040) set of networks on the new TAZ system has begun as it will be used as part of the model validation effort.

Staff completed ArcGIS-based procedures for computing zonal transit “walk shed” areas for the 3,722 TAZ system. This information is needed for the Version 2.3 mode choice model on the 3,722 TAZ system.

Staff completed the preparation on the 2,191 TAZ highway and transit networks supporting the 2010 CLRP and FY2011-2016 TIP.

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 supported the network coding team on the development of the regional highway and transit networks for the 2010 CLRP and FY2011-16 TIP air quality conformity analysis.

Staff updated the NAVTEQ street network features and attribute information in the spatial data library.

Staff prepared a memorandum for FHWA staff on Bicycle and Pedestrian GIS data for the region currently available in the spatial data library.

Staff added a Census Public Use Microdata Area (PUMA) layer for the TPB Modeled Area and External Commuter Shed to the spatial data library.

The quarterly GIS Committee meeting was held on August 24, 2010. The availability of LiDAR data from the National Geospatial Agency (NGA) and the development of the RFP for the local jurisdiction GIS Data Exchange Project were the main items reviewed and discussed at this meeting.

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

C. Models Development

TPB staff documented the preparation of Version 2.2 model input files based on the recently released Round 8.0 Cooperative Forecasts in support of 2010 CLRP and FT2011-2016 TIP.

Staff completed its compilation of “all bus” ridership targets which will be used as part of upcoming Version 2.3 mode choice model calibration work.

Version 2.3 calibration work on the demographic models and trip generation models have begun, using 2007/08 household travel survey data. The development of model application programs (Cub/Voyager scripts) has also begun. This work will be presented to the Travel Forecasting Subcommittee in September for their review and comment.

Cambridge Systematics, Inc. (CS), the contractor currently performing focused technical research for TPB staff, presented the findings from Task #10 (Short-Term Model Enhancements: Transit-Related Enhancements) at the July 23 Travel Forecasting Subcommittee (TFS) meeting. TPB staff has begun formulating a response to recommendations proposed by CS in Tasks reports #7-10 during FY-2010. TPB has also continued its involvement with the ongoing AMPO Advanced Travel Modeling Study. TPB staff prepared a set of comments on the Task 2 report in anticipation of a conference call with other funding MPO's and the consultant to take place in early September.

D. Software Support

Staff worked with ITFM and coordinated efforts to improve the performance of travel demand servers. Upon completion of ITFM work, staff executed test runs to ensure the consistency in modeling results relative to the runs executed prior to the work on the server.

5. TRAVEL MONITORING

A. Cordon Counts

Staff presented the *2009 Central Employment Core Cordon Count of Vehicular and Passenger Volumes* Report, which was prepared in FY2010, to the Travel Forecasting Subcommittee at its July meeting. To date, no comments have been received on the draft report.

Staff commenced processing the data collected for the 2010 Regional HOV Facilities Monitoring project. All data were collected during spring 2010, in accordance with the FY2010 UPWP. As part of the FY2011 UPWP, staff will complete processing the data and prepare a report documenting the procedures and results of this study.

B. Congestion Monitoring and Analysis

Staff prepared a power point presentation of the FY 2010 arterial highway system findings which will be presented at the September Travel Forecasting Subcommittee meeting. Staff is investigating the use of blue-tooth readers as an alternative method of travel time/speed data collection and plans to use readers during the FY 2011 arterial travel time survey project.

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

Staff presented the technical documentation for the final geocoded, edited and factored Household Travel Survey (HTS) survey data files to the Travel Forecasting Subcommittee in July and in response to comments received made some refinements to this documentation in August.

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

Staff assisted 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 began 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.

6. TECHNICAL ASSISTANCE

A. DISTRICT OF COLUMBIA

1. Program Development, Data Requests & Miscellaneous Services

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

2. Traffic Counts

Staff prepared a draft 2009 Traffic Volume Map for DDOT's review.

Staff prepared traffic volume summary statistics for all 7-day and 3-day traffic counts conducted in 2009 in the format specified by DDOT staff.

Staff began processing 7-day classification counts, 3-day volume counts And geo-referenced photographs of CY 2010 DDOT traffic count sites received from the contractor.

Staff prepared the draft agenda for DDOT's monthly HPMS Coordinating Committee meeting, participated in this meeting and drafted the meeting minutes.

3. Bicycle Counts

No activity to report for the reporting period.

4. WARD 6 Performance Based Parking Pilot Curbside Data Collection

Staff prepared a draft budget and scope of work (SOW) for DDOT's review for the continued study of parking space turnover in the Ward 6/Washington Nationals Ballpark and Columbia Heights study areas. The SOW identified some limited data collection work for the Georgetown Study area. It is anticipated that field data collection for the first two street parking spaces to quantify on-street parking capacity in the Ward 6/Washington Nationals Ballpark and Columbia Height study areas.

5. Truck and Bus Restriction Sign Survey Phase I

No activity to report for the period.

6.. 2009 Automobile Travel Time Survey – Phase II

No activity to report for the period.

B. **MARYLAND**

1. Program Development /Management

No activity to report for the period.

2. Miscellaneous Services

No activity to report during the period.

3. MDOT Training / Technical Support

Staff reviewed documentation reports, e.g., draft environmental impact study, alternatives retained for detailed study, for various project planning studies in Maryland.

4. Western Mobility / I-270 Studies

Staff coded networks and executed travel demand modeling work for Alternatives 3B, 4B, 5B and 6B (ETL option) using a set of specialized subarea assignment programs. Upon extensive quality assurance, staff transmitted summaries of results and program files necessary to replicate the process to MD SHA. Staff presented a progress report on the alternatives analysis and presented some of the results at the July TPB / SHA coordination meeting.

At the July TPB / SHA coordination meeting, staff presented a draft technical report documenting the Managed Lanes Study and technical work that took place over the past three years. In response to a Maryland SHA request at the meeting, TPB staff executed the emissions post-processor in order to examine “baseline versus build” emissions impacts. The review of the results is currently under way.

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

No activity to report during this period.

6. Project Planning / Feasibility Studies

No activity to report during this period.

7. Traffic Impacts

No activity to report during this reporting period.

8. Project Evaluation

No activity to report during this reporting period.

9. Monitoring Studies

No activity to report during this reporting period.

10. MD Statewide Travel Demand Model

No activity to report during the period.

11. Development/Refinement of Technical Methods

Staff continued work to prepare inputs for a case study application of project evaluation software, BCA.net.

12. Transportation Land Use Connection (TLC)

On July 21, the TPB approved five projects in Maryland and three in Virginia in the District of Columbia that had been recommended for funding by the TLC selection panel. For each of these projects, staff sent a request for proposals (RFP) to interested consultants who are included on the list of the program's pre-qualified consultants. Selection of consultants will occur in September.

C. VIRGINIA

1. Program Development

No activity to report during the period.

2. Miscellaneous Services

The Virginia Department of Transportation requested an amendment to the 2009 CLRP and FY2010-2015 TIP to include an operational change to the I-66 ramps at Stringfellow Rd. and Monument Dr. in Fairfax County. The amendment required a conformity analysis. After coordinating project details with VDOT, staff updated the 2010 highway network to reflect the operational change and completed travel demand and emissions analysis. Staff will prepare a memo summarizing results in time for the beginning of a public comment period in September 9th. Staff will present the memo to TPB at its September meeting.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

Staff submitted the final draft of the Analysis of AM Peak Period Inbound Travel in Northern Virginia's Dulles Corridor in the Fall of 2009 to VDOT and NVTC. Prior to submitting the report, staff added additional transit data and updated statistical formulas used to calculate standard weekday variation of travel modes.

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

No activity to report during the period.

5. Data Mine State of the Commute Survey

No activity to report during the period.

6. Northern Virginia Bicycle/Pedestrian Count Program

Staff met with VDOT bicycle and pedestrian planning personnel to review the draft report submitted in July and to discuss and identify scope requirements for the fiscal year for this project. It was agreed that staff would prepare a draft scope of work, for VDOT review, identifying an approach for bicycle count data collection using Miovision data collection technologies in a manner that provides reliable bike/ped count data and results in forward progress in developing a reliable, systematic approach to bike/ped data collection for future years in Virginia.

7. TransAction 2040 Plan Support

No activity to report during the period

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

No activity to report during the period.

9. Travel Forecast Model Refinements

No activity to report during the period.

10. Internal NoVA Planning Database

No activity to report during the period.

11. Other tasks yet to be defined

No activity to report during the period.

D. WMATA

1. Program Development

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

2. Miscellaneous Services

No activity to report during the period.

3. A Study of the Development Impact of Metrorail.

No activity to report during the period.

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

A. Conduct 2009 Air Passenger Survey

This task is complete.

B. Process 2009 Air Passenger Survey

Staff completed the tables, charts and maps of the geographic portion of the analysis of the 2009 Air Passenger Survey and presented them in a memo to the Aviation Technical Subcommittee at its July meeting. Staff incorporated Subcommittee comments into the draft geographic findings report, which will be prepared in fall 2010.

Staff continued preparation of the general findings and geographic findings reports for the survey. It is anticipated the general findings draft report will be presented to the Subcommittee at the September meeting, and the geographic findings draft report will be presented at the November meeting.

C. Ground Access Forecast and Element Updates

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

Staff prepared a scope of work of the Ground Access Forecast Update, Phase 1, and presented it to the Aviation Technical Subcommittee for review and approval at its July meeting.

2. Ground Access Element Update

Staff presented the draft Ground Access Element Update to the Subcommittee at its July meeting. This draft incorporated Subcommittee comments and guidance on the preliminary draft obtained during the comment review session conducted as part of the May Subcommittee meeting. It is anticipated a final draft will be presented to the Subcommittee in September. Pending concurrence from the Subcommittee the draft will then be presented to the TPB Technical Committee in late 2010.

D. Ground Access Travel Time Study

Staff began preparing a project scope/work plan to be reviewed by the Aviation Technical Subcommittee in fall 2010. This scope will include identification and confirmation of ground access travel time routes to be included in the study.

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.

**FY 2011 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
FY-TO-DATE AUGUST 31, 2010**

	COST CODES	TOTAL		FTA/STALOC		PL FUNDS/LOC	
		AUTHORIZED BUDGET	EXPENDITURES TOTAL	AUTHORIZED BUDGET	EXPENDITURES TOTAL	AUTHORIZED BUDGET	EXPENDITURES TOTAL
A. District of Columbia							
1. Program Development, Data Requests & Misc. Services	040	26,050	1,715.27	2,345	154.37	23,706	1,560.89
2. DDOT Traffic Counts	041	200,000	9,297.83	18,000	836.80	182,000	8,461.03
3. Bicycle Counts	042	60,000	0.00	5,400	0.00	54,600	0.00
4. Phase II - Evaluation of the Metrobus Priority Corridor Network	043	60,000	20,780.35	5,400	1,870.22	54,600	18,910.13
5. DC Ward 6 Ballpark	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	31,793.46	36,095	2,861.40	364,957	28,932.06
B. Maryland							
1. Program Development/Management	060	25,000	10.39	2,250	0.94	22,750	9.45
2. Miscellaneous Services	061	50,500	0.00	4,545	0.00	45,955	0.00
3. MDT Training /Technical Support	062	50,000	5,309.87	4,500	477.89	45,500	4,831.99
4. SHA-Western Mobility/Capital Beltway Studies	063	75,000	27,440.42	6,750	2,469.62	68,250	24,970.79
5. MTA- Corridor Cities Transit way / Purple Line Transit	064	50,000	0.00	4,500	0.00	45,500	0.00
6. Project Planning / Feasibility Studies	065	160,000	0.00	14,400	0.00	145,600	0.00
7. Managed Lanes-Planning	066	95,000	0.00	8,550	0.00	86,450	0.00
8. Traffic Impacts	067	40,000	0.00	3,600	0.00	36,400	0.00
9. Project Evaluation	068	45,000	0.00	4,050	0.00	40,950	0.00
10. Statewide Travel Demand Model	069	50,000	0.00	4,500	0.00	45,500	0.00
11. Development/Refinement of Technical Methods	070	75,000	456.42	6,750	41.08	68,250	415.34
12. Monitoring Studies	071	100,000	0.00	9,000	0.00	91,000	0.00
SUBTOTAL		815,502	33,217.09	73,395	2,989.52	742,107	30,227.57
C. Virginia							
1. Program Development	080	15,000	0.00	1,350	0.00	13,650	0.00
2. Miscellaneous Services	081	20,000	0.00	1,800	0.00	18,200	0.00
3. NVA, HOV Facilities Monitoring & Data Collection	082	275,000	145.01	24,750	13.05	250,250	131.96
4. High Occupancy / Toll (Hot) Lane Analysis I-95 / 395 Corridor	083	70,000	0.00	6,300	0.00	63,700	0.00
5. Travel Forecast Model Refinements	084	50,000	0.00	4,500	0.00	45,500	0.00
6. Data Mine State of the Commute Survey	085	60,000	580.11	5,400	52.21	54,600	527.90
7. Phase II - Evaluation of the Metrobus Priority Corridor Network	086	64,000	0.00	5,760	0.00	58,240	0.00
SUBTOTAL		554,001	725.13	49,860	65.26	504,141	659.87
D. WMATA							
1. Program Development	100	10,000	0.25	10,000	0.25	0	0.00
2. Miscellaneous Services	101	7,600	0.01	7,600	0.01	0	0.00
3. Phase II - Evaluation of the Metrobus Priority Corridor Network	102	176,900	0.00	176,900	0.00	0	0.00
SUBTOTAL		194,500	0.26	194,500	0.26	0	0.00
GRAND TOTAL		1,965,054	65,735.94	353,850	5,916.44	1,611,205	59,819.50

**FY 2011 TRANSPORTATION PLANNING BOARD
COGITPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE AUGUST 31, 2010**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	20,870.13	30%
B. Transportation Improvement Program (TIP)	240,600.00	24,970.96	10%
C. Constrained Long-Range Plan	588,400.00	103,542.20	18%
D. Financial Plan	64,000.00	11,254.89	18%
E. Public Participation	371,900.00	65,109.36	18%
F. Private Enterprise Participation	18,300.00	0.00	0%
G. Annual Report	80,100.00	1,825.36	2%
H. Transportation / Land Use Connection Program	395,000.00	21,354.03	5%
I. DTP Management	452,100.00	60,987.87	13%
SUBTOTAL	2,281,100.00	309,914.80	14%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	155,000.00	27,068.65	17%
B. Management, Operations & ITS Planning	340,300.00	47,474.22	14%
C. Emergency Preparedness Planning	75,400.00	11,264.98	15%
D. Transportation Safety Planning	100,000.00	2,510.55	3%
E. Bicycle and Pedestrian Program	108,700.00	16,923.01	16%
F. Regional Bus Planning	100,000.00	38,654.54	39%
G. Human Service Transportation Coordination Planning	114,800.00	7,288.96	6%
H. Freight Planning	130,000.00	36,851.64	28%
I. MATCO Program Planning & Support	150,000.00	0.00	0%
	1,274,200.00	188,036.55	15%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	111,742.73	20%
B. Mobile Emissions Analysis	640,100.00	130,464.85	20%
C. Regional Studies	565,800.00	48,664.80	9%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	88,465.82	12%
SUBTOTAL	2,495,900.00	379,338.20	15%

**FY 2011 TRANSPORTATION PLANNING BOARD
COGITPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE AUGUST 31, 2010**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	97,216.34	13%
B. GIS Technical Support	548,800.00	88,449.40	16%
C. Models Development	1,221,200.00	144,121.41	12%
D. Software Support	178,900.00	5,871.83	3%
SUBTOTAL	2,718,600.00	335,658.98	12%
5. TRAVEL MONITORING			
A. Cordon Counts	250,800.00	11,966.50	5%
B. Congestion Monitoring and Analysis	475,000.00	35,223.73	7%
C. Travel Survey and Analysis Household Travel Survey	456,300.00	41,998.92	9%
D. Regional Transportation Clearinghouse	368,100.00	35,745.47	10%
SUBTOTAL	1,550,200.00	124,934.63	8%
SUBTOTAL CORE PROGRAM ITEMS 1-5	10,320,000.00	1,337,883.16	13%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	401,050.00	31,793.46	8%
B. Maryland	815,500.00	33,217.09	4%
C. Virginia	764,600.00	725.13	0%
D. WMATA	194,500.00	0.26	0%
SUBTOTAL	2,175,650.00	65,735.94	
TPB GRAND TOTAL	12,495,650.00	1,403,619.09	11%