

FY 2011

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

PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

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

On December 15, the TPB approved the major amendment to increase the FY 2011 budget by \$722,000 and modify several work tasks. On December 17, the amendment was submitted to FHWA and FTA for their review and approval.

B. Transportation Improvement Program (TIP)

On December 14, the Air Quality Conformity Determination of the 2010 CLRP and FY 2011-2016 TIP for the Washington region and the FY 2011-2016 TIP were transmitted to FHWA and FTA for their review and approval. The resolutions approving the 2010 CLRP, the FY 2011-2016 TIP, and the certification of the transportation planning process, which were adopted November 17, 2010 by the TPB were included in the TIP document.

In addition, the TPB web site was updated to fully describe the plan and TIP development process and to provide public access to all of the plan-related documents. The site is located at www.mwcog.org/clrp.

In December, TPB staff processed one administrative modification to the FY 2010-2015 TIP as requested by WMATA. No amendments or adjustments to the FY 2011-2016 TIP were requested. Over the month of December, TPB staff worked with a consultant on improvements to the iTIP database application. These improvements will make data entry easier for agencies when they submit information for project submissions and TIP amendments.

C. Constrained Long-Range Plan (CLRP)

On December 14, the Air Quality Conformity Determination of the 2010 CLRP and FY 2011-2016 TIP for the Washington region and the FY 2011-2016 TIP were transmitted to FHWA and FTA for their review and approval. The resolutions approving the 2010 CLRP, the FY 2011-2016 TIP, and the certification of the transportation planning process, which were adopted November 17, 2010 by the TPB were included in the TIP document.

In addition, the TPB web site was updated to fully describe the plan and TIP development process and to provide public access to all of the plan-related documents. The site is located at www.mwcog.org/clrp.

During the month of December, TPB staff performed additional analysis for and finalized the documentation of the CLRP. The CLRP is documented on the website

www.mwcog.org/clrp. This website was archived on CD and submitted to FHWA and FTA along with hard copies of the TIP and Air Quality Conformity reports. Copies of the CLRP, TIP and Conformity report were also distributed to state and District transportation agencies. TPB staff also gave a presentation on the CLRP and its performance against regional transportation goals to COG's Air and Climate Public Advisory Committee.

D. Financial Plan

The 2010 CLRP which includes the financial plan and analysis report was approved by the TPB on November 17. The plan will be incorporated into the plan documentation.

E. Public Participation

The December 9th meeting of the Citizens Advisory Committee included a briefing on the COG/Board of Trade Joint Task Force on WMATA Governance and a discussion about the upcoming meeting of the TPB Priorities Plan Scoping Task Force.

F. Private Enterprise Participation

No work activity during the reporting period.

G. Annual Report

The December TPB News was produced and distributed. Staff developed an outline for the new annual report, which will feature information on the 2010 CLRP, among other things.

H. Transportation / Land Use Connection Program (TLC)

Work was underway for all eight TLC projects funded for FY 2011 (four of these projects are fully or partially funded under P.E. #6220.00.072, MDOT Technical Assistance – see 6.B.below).

In preparation for the TPB Technical Committee meeting on January 7, staff worked on a review of the TLC program that assessed the 40 projects completed to date. For this review, staff conducted follow-up interviews with recipients of TLC technical assistance to learn about implementation actions that have taken place. Together with the assessment of the TLC Program conducted by the organization Reconnecting America, this staff review will be used to determine enhancements for future rounds of the TLC 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 and senior DTP staff participated in a meeting with FHWA staff and consultants on the 14th Street Bridge corridor study.
- The DTP Director participated in a day long workshop sponsored by the Carnegie Endowment for International Peace on “ Integrated Transportation Strategies to Reduce Greenhouse Gas Emissions”
- The DTP Director participated in an in-depth conference call discussion with consultants for the DOD/OIG on technical methods used for analyzing the traffic impacts of the BRAAC development at Seminary Road and I-395 in Alexandria.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff facilitated an interdisciplinary work effort, including a major internal staff meeting on December 15, to address Geographic Information System (GIS) issues encountered in applying the I-95 Corridor Coalition Vehicle Probe Project (INRIX) data. A preliminary test was conducted for converting the location reference of INRIX data from the format it is provided in (Traffic Message Channel (or TMC) to the GIS format used by COG/TPB (NAVTEQ).

Staff continued work on linking the Transportation Technology Innovation and Demonstration (TTID) program sensors' vehicle volume data to the INRIX speed data and successfully located the sensors on the COG/TPB GIS.

Staff began an analytical comparison of data from previous TPB arterial floating car surveys with INRIX data where and when available for simultaneous times and locations. This analysis will help advise the structure and format of future arterial travel data collection activities.

On December 2, staff made a presentation on the I-95 Corridor Coalition “Use of Archive Data for Planning and Operations Performance Measures” webcast, sharing TPB’s experience of using the INRIX data for planning and operations. On December 14, staff participated in a federal Real-Time System Management Information Program Final Rule webinar. On December 16, staff monitored an I-95 Corridor Coalition Vehicle Probe Project Arterial Data Quality Committee teleconference.

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 December 14, 2010. A major focus of the meeting was the District of Columbia Department of Transportation's curbside parking technology activities, parking information being an emphasis area in the 2010 MOITS Strategic Plan.

- There were no major activities to report in the MOITS Traffic Signals or ITS Architecture activity areas.
- 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.).
- On December 1, staff participated in a Federal Highway Administration webinar as a member of an advisory panel on development of a national guidance document on benefit-cost analysis for transportation operations.
- On December 6, COG/TPB and staff hosted the semi-annual meeting of the I-95 Corridor Coalition Executive Board, focusing on a variety of management, operations, and technology-related activities.
- On December 8, staff participated in a Federal Highway Administration pilot workshop on planning for operations, in Baltimore, Maryland.
- On December 16, staff participated in a National Federal Highway Administration and Federal Transit Administration "Peer Exchange Workshop on the Role of Management & Operations (M&O) in Supporting Livability and Sustainability", in Arlington, Virginia.

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 met on December 17, 2010 to have a briefing on a proposed study to develop a Potomac River Ferry Service as well as to discuss, comment on, and approve transportation related items in the National Capital Region Investment Plans for allocation of Urban Area Security Initiative funds provided annually by the Department of Homeland Security via the Federal Emergency Management Agency. The committee also took time to discuss upcoming drills and exercises. WMATA brought forth a Project Management Plan proposing a series of regional drills and training on WMATA's new Emergency Operations Plan. The group discussed the item and provided comments. This item was approved by RESF-1 and referred to the Exercise Training Oversight Panel (ETOP) for further evaluation and possible funding consideration.

During the month of December work continued on the NCR Investment Planning Process for Homeland Security. Staff worked on contributing to the various Investment Plans and incorporating comments from various Subject Matter Experts. RESF-1 is scheduled to meet again on January 14th.

D. Transportation Safety Planning

TPB Staff completed a revision of 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

Staff resolved some cost estimate details in the list of top priority unfunded bicycle and Pedestrian projects which was adopted by the Bicycle and Pedestrian Subcommittee at its November meeting, and presented the list to the TPB Technical Committee at its December 3, meeting. Staff developed and delivered a presentation on the top priority unfunded bicycle and pedestrian projects to the TP at its December 15 meeting.

F. Regional Bus Planning

Staff developed the Work Plan for 2011 for the Regional Bus Subcommittee. Planned tasks include: 1) Development of a Regional Bus Projects Priority List (updated the 2008 list); 2) Updating the *Moving Forward Brochure*; 3) Bus Network Mapping; 4) Hosting a Real-Time Information Workshop; and 5) Miscellaneous Planning Activities. A new chair for 2011 was selected, Ms. Julie Hershorn of WMATA. Staff also reviewed the FHWA 14th Street Bridge EIS plans for bus priority and discussed a response with WMATA staff.

G. Human Service Transportation Coordination

Staff compiled input from the Human Service Transportation Coordination Task Force to prepare a Draft Statement of Priorities for the 2011 TPB Job Access Reverse Commute (JARC) and New Freedom project solicitation. The draft statement was distributed for Task Force comment and finalized for the public comment period. Staff met with human service transportation planners from the Virginia Department of Rail & Public Transportation to provide a briefing on the status of TPB projects.

Staff prepared a scope of work for a proposed assessment of the TPB's Job Access Reverse Commute and New Freedom program and projects, which was presented to the Technical Committee in December. The \$80,000 assessment was proposed for inclusion an amendment to the TPB's FY2011 Unified Planning Work Program. Staff also began a national literature search on evaluations or assessments of other JARC and New Freedom programs.

H. Freight Planning

- Staff worked with staff from the railroads and DDOT, MDOT, and VDOT to develop a draft Priorities Freight Transportation Priority List, in preparation for review by the Freight Subcommittee at its January 6, 2011 meeting.
- Staff began planning for a Regional Freight Forum to be held April 27, 2011 at the Hyatt Regency on Capitol Hill, including determining the format of the forum, potential topic areas, and potential speakers and participants.

- Staff attended the I-95 Corridor Coalition Executive Board meeting held at the Council of Governments on December 6, 2010. The meeting included a number of discussions of freight issues in the corridor.
- Staff participated in the FHWA Talking Freight Webinar titled “Making Freight and Land Use Decisions” on December 15, 2010.
- Staff prepared a *Focus on Freight* newsletter for December 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 December 2010, under the guidance of staff, the contractor prepared for and participated in meetings of MATOC's committees, including the MATOC Information Systems Subcommittee and MATOC Operations Subcommittee meetings on December 9, and the monthly MATOC Steering Committee meeting on December 21. The contractor also prepared technical and administrative materials in support MATOC's overall activities throughout the month. A major focus of MATOC's December committee discussions were potential content and format for a MATOC web site, to be developed during 2011.

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 January 2011 MATOC meetings.

3. FORCASTING APPLICATIONS

A. Air Quality Conformity

For the 2010 CLRP & FY2011-2016 TIP: staff transmitted the final conformity report to the appropriate federal and state agencies. The final summary and full reports are available for download on COG's website. Staff completed documentation of detailed travel demand and emission results and prepared files for data request availability. Staff completed 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 forwarded to the consultation agencies and public advisory committees the meeting agenda and a summary memo regarding the December TPB meeting and air quality conformity consultation elements.

For the new CLRP: staff reviewed the 3722 TAZ 2040 forecast year highway network and made necessary corrections to the network database in preparation for the upcoming conformity analysis. Staff attended a network/GIS coordination meeting to discuss future improvements to the network database manager.

In December, COG/DEP staff performed the following:

- Coordinated with DTP staff regarding the presentation on the “Performance of the 2010 Financially Constrained Long-Range Transportation Plan” for the MWAQC meeting in December 2010.
- Provided updates to MWAQC members on the final 2010 CLRP analyses and also finalized a comment letter from MWAQC to TPB on the conformity assessment.
- Attended TPB and TPB Technical Committee meetings.

B. Mobile Emissions Analysis

Staff developed the criteria pollutant inventories for VOC, NO_x, PM_{2.5} Precursor NO_x and Winter CO based on the 2010 CLRP and FY 2011-2016 TIP using the MOVES for year 2011-- the first year of the TIP -- and for milestone years 2020, 2030 and 2040.

The same inputs were used as in SIP emissions inventory development. Comparison charts of the resulting emissions inventories by MOBILE6.2 and MOVES were developed for the January 2011 joint MWAQC/MOVES Task Force meeting. Staff also developed a matrix tabulating the progress made in the development of local input data under the guidance of the MOVES Task Force. Staff participated in an emissions inventory call that discussed the development of PM_{2.5} maintenance SIP that MWAQC is considering submitting to EPA. Staff worked on preparing a poster presentation on the What Would It Take Scenario for the January 2011 Transportation Research Board Conference.

Staff coordinated the in-house transfer of the 2007/2008 Household Travel Survey (HTS) databases in order to continue sensitivity tests on vehicle start rates using MOVES. In the meantime, a memorandum on the application of the XML converter and batch mode processing were developed for use by DTP staff. Sensitivity tests continued as part of the internal quality control processes while running MOVES. Staff responded to a MOBILE6.2 data input for estimating base and future year’s emissions inventories as part of a Final Environmental Impact Study (FEIS) for the South Capitol Street project.

C. Regional Studies

- The Regional Transportation Priorities Plan Scoping Task Force: Throughout December, staff performed work for the task force, which held its second meeting on December 15. For this meeting, staff developed a strawman

scope that outlined a proposed structure for the priorities plan. In addition, staff developed a proposal for providing better public information on the existing process.

- Implementation Guidelines for Prioritizing Bus Transit: A draft final report was delivered by the consultant. Staff reviewed and responded with comments for preparation of the final report to be submitted in January.
- CLRP Aspirations Scenario: Staff reviewed Aspirations networks in anticipation of continued analysis of regional variably priced lanes. This work consisted of 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.
- Mark Center, Alexandria VA: In response to a request from the Department of Defense and in a joint effort with other COG departments, staff assembled and transmitted land use and transportation data to substantiate modeled traffic volumes and land use estimates in the traffic zone where the planned Mark Center – a BRAC project -- in Alexandria is being developed.
- 14th Street Bridge: In response to a request from the FHWA study team, staff provided comments on the issues raised: link distances, toll revenues and toll charges on ramps. A memo on management alternatives was reviewed and staff attended a team meeting on 12/9/2010.

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 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 continued discussions 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.

Staff prepared an analysis of the Round 8.0 population forecasts for the Northern Virginia jurisdictions with Virginia Employment Commission projections.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

The development of the 2010 highway and transit networks on the 3,722 TAZ system has been completed and is now supporting the ongoing Version 2.3 model calibration effort. TPB staff continued the refinement of the 2040 highway and transit networks on

the 3,722 cordon. This work will continue into early January. Network development staff have interfaced with other DTP staff members to gain assistance in coding toll-related link network coding in the 2040 network (i.e., toll rate coding that is consistent with the 2010 CLRP assumptions). This interfacing has provided the opportunity for staff members outside of the network development unit to begin working with the new network files and to begin using the GIS-based coding tools that have been in development for the past few years. The 2040 network is planned to be completed in early January.

TPB's work on updating the 2010 highway network using schedule information obtained from the local transit providers has progressed during December. Staff has acquired regional transit bus information in Google Transit Feed Specification (GTFS) format which includes both schedule data and route alignments for the vast majority of transit routes in the regional transit network. These data will inform transit networks to be used for the next air quality conformity cycle.

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.

Staff conducted a meeting with departmental GIS users on updated GIS data in the spatial data library, new GIS tools and capabilities and the upgrade of GIS workstation to ArcGIS version 9.3.1. Staff continued 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

TPB staff worked on refinements to the Version 2.3 modeling process. Staff completed the trip distribution calibration and undertook the mode choice model calibration process using the observed (HTS-based) person trip table. Staff is documenting this work as well as work undertaken on trip generation refinements completed last month. Staff will re-calibrate the mode choice model to a simulated person trip table in early January. Staff also finished its testing of various volume-delay functions and queuing-delay functions to be considered in the final Version 2.3 traffic assignment process.

On December 2, Cambridge Systematics, Inc. (CS) transmitted a description and proposed budget for a task order (#11) suggested by TPB staff. This task is for assistance in the development of the Version 2.3 transit assignment process. TPB staff reviewed the work scope and issued CS authorization to proceed with Task 11 on December 21. On December 29, staff discussed additional task orders for CS to address during FY 2011. The tasks include an investigation of transportation planning software use by other MPO's (Task #12), and a review of Cube Voyager scripts currently used in Version 2.3 (Task #13). Staff anticipates that CS will transmit a detailed work scope and budget proposal for TPB staff's review in January.

D. Software Support

Staff continued work on TMS2 and N drive troubleshooting. In consultations with COG IT staff and by analyzing the model test results derived using three servers, a recommendation was made to perform all Version 2.2 – related travel demand model runs on TMS2 and the model results to be saved on local drive E built in TMS2. A diagram illustrating the revised server connection and data flow/backup process was also developed.

5. TRAVEL MONITORING

A. Cordon Counts

Staff began the processing of the traffic and transit data collected in the spring 2010 Regional HOV monitoring effort.

B. Congestion Monitoring and Analysis

Staff prepared orientation and training material for the temporary drivers who will be performing the arterial highway congestion monitoring program. Staff also developed a scope of work for the upcoming Spring 2011 aerial survey of the limited access highway system of the region. Staff responded to a data request from DDOT pertaining to the levels of service of all the arterial highways surveyed as part of the arterial highway speed/travel time survey project.

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

Staff completed processing of 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 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.

3. Bicycle Counts

No work activity during the reporting period.

4. WARD 6 Performance Based Parking Pilot Curbside Data Collection

Staff continued 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 completed an evaluation of various measures of effectiveness. Staff created and executed a number of summary programs and began compiling a memorandum documenting the findings.

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

Staff attended a Purple Line project team meeting and received updates on the project the meeting focused on the current timeline and upcoming milestones, with the project anticipated to start its preliminary engineering phase in March 2011.

6. Project Planning / Feasibility Studies

Intercounty Connector (Before and After) Analysis: 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. Staff developed a scope of work for the study by reviewing pertinent data and drafting a narrative of proposed services.

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 developed an input data matrix using all available data and studied the application of these data to evaluate two MD DHA-administered projects.

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. Work on these projects was fully underway in December. See 1.H. above for further details about the TLC Program.

C. VIRGINIA

1. Program Development

No work activity during the reporting period.

2. Miscellaneous Services

No work activity during the reporting period.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

Staff continued the processing of travel times runs and traffic and occupancy counts collected on VDOT HOV facilities and transmitted to VDOT staff the travel time, traffic and occupancy count data for the first priority locations identified by VDOT staff.

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
Following amendment to the FY 2011 UPWP, preparation for this study commenced with the development of associated Scope of Work by WMATA staff, in consultation with TPB Staff. A Request for Proposal document was then prepared and the RFP was issued December 30, 2010 with responses due January 27, 2011.

The prospective Contractor will conduct a study of current and future Metrorail station access to evaluate the current mix of access/arrival modes (e.g., auto, bus, walk, bicycle, etc.) at Metrorail stations and study alternative options and strategies that could offer cost-effective approaches to bringing riders to the system. Examples of strategies to be evaluated may include reserved carpool spaces at parking lots, shared-use parking, or additional bike storage facilities. The evaluation will consider the lifecycle costs, both capital and operating, and regional user benefits of different approaches.

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 Geographic Findings report for the survey in December.

C. Ground Access Forecast and Element Updates

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

(Phase 1)

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. Subcommittee members will receive a briefing on this project at the January meeting.

Staff presented findings and recommendations from the Ground Access Element Update to the TPB Technical Committee and TPB Board at their December meetings.

2. Ground Access Element Update

Staff presented findings and recommendations from the Ground Access Element Update to the TPB Technical Committee and TPB Board at their December meetings.

D. Ground Access Travel Time Study

Staff continued preparation of the data collection plan to be presented to the Subcommittee at the January meeting.

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 DECEMBER 31, 2010**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	352,903.91	46%
B. GIS Technical Support	548,800.00	239,975.32	44%
C. Models Development	1,221,200.00	418,807.86	34%
D. Software Support	178,900.00	29,656.77	17%
SUBTOTAL	2,718,600.00	1,041,343.87	38%
5. TRAVEL MONITORING			
A. Cordon Counts	250,800.00	25,287.77	10%
B. Congestion Monitoring and Analysis	475,000.00	125,429.40	26%
C. Travel Survey and Analysis Household Travel Survey	706,299.52	80,710.75	11%
D. Regional Transportation Clearinghouse	368,100.00	149,013.92	40%
SUBTOTAL	1,800,199.52	380,441.84	21%
SUBTOTAL CORE PROGRAM ITEMS 1-5			
	10,945,349.40	4,204,714.38	38%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	405,050.02	125,015.28	31%
B. Maryland	885,999.40	149,386.67	17%
C. Virginia	787,600.13	142,139.32	18%
D. WMATA	194,500.00	0.00	0%
SUBTOTAL	2,273,149.56	416,541.26	
TPB GRAND TOTAL	13,218,500.00	4,621,255.65	35%

**FY 2011 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE DECEMBER 31, 2010**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	44,467.16	63%
B. Transportation Improvement Program (TIP)	240,600.00	67,824.72	28%
C. Constrained Long-Range Plan	588,400.00	355,781.70	60%
D. Financial Plan	64,000.00	59,452.79	93%
E. Public Participation	371,900.00	227,529.14	61%
F. Private Enterprise Participation	18,300.00	1,238.97	7%
G. Annual Report	80,100.00	8,461.35	11%
H. Transportation / Land Use Connection Program	395,000.00	84,293.64	21%
I. DTP Management	452,100.00	192,706.76	43%
SUBTOTAL	2,281,100.00	1,041,756.23	46%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	205,000.11	65,834.97	32%
B. Management, Operations & ITS Planning	340,300.00	133,269.39	39%
C. Emergence Preparedness Planning	75,400.00	30,965.93	41%
D. Transportation Safety Planning	125,000.45	14,874.01	12%
E. Bicycle and Pedestrian Program	108,700.00	68,423.28	63%
F. Regional Bus Planning	100,000.00	56,340.60	56%
G. Human Service Transportation Coordination Planning	194,799.85	48,336.66	25%
H. Freight Planning	149,999.96	60,365.09	40%
I. MATCO Program Planning & Support	150,000.00	40,184.84	27%
	1,449,200.36	518,594.76	36%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	349,215.48	62%
B. Mobile Emissions Analysis	640,100.00	407,008.55	64%
C. Regional Studies	766,149.51	235,433.73	31%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	230,919.93	32%
SUBTOTAL	2,696,249.51	1,222,577.69	45%

**FY 2011 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
FY-TO-DATE DECEMBER 31, 2010
SUPPLEMENT 1**

	COST CODES	TOTAL		FTA/STALOC		PL FUNDS/LOC	
		AUTHORIZED BUDGET	EXPENDITURES	AUTHORIZED BUDGET	EXPENDITURES	AUTHORIZED BUDGET	EXPENDITURES
A. District of Columbia							
1. Program Development, Data Requests & Misc. Services	040	30,050	1,981.16	2,705	178.30	27,346	1,802.85
2. DDOT Traffic Counts	041	200,000	43,422.37	18,000	3,908.01	182,000	39,514.36
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	60,125.57	5,400	5,411.27	54,600	54,714.30
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		405,051	125,015.28	36,455	11,251.33	368,597	113,763.95
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	121,000	5,761.18	10,890	518.51	110,110	5,242.67
3. MDOT 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	77,506.05	6,750	6,975.50	68,250	70,530.55
5. MTA- Corridor Cities Transit way / Purple Line Transit	064	50,000	1,562.61	4,500	140.63	45,500	1,421.97
6. Project Planning / Feasibility Studies	065	160,000	38,482.92	14,400	3,463.46	145,600	35,019.45
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	9,526.60	6,750	857.39	68,250	8,669.21
12. Transportation /Land Use	071	100,000	2,133.00	9,000	191.97	91,000	1,941.03
SUBTOTAL		886,001	149,386.67	79,740	13,444.75	806,261	135,941.91
C. Virginia							
1. Program Development	080	15,000	52.00	1,350	4.68	13,650	47.32
2. Miscellaneous Services	081	43,000	9,831.19	3,870	884.80	39,130	8,946.39
3. NVA. HOV Facilities Monitoring & Data Collection	082	275,000	131,676.02	24,750	11,850.86	250,250	119,825.16
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		787,601	142,139.32	70,884	12,792.55	716,717	129,346.77
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		2,273,153	416,541.26	381,579	37,488.63	1,891,574	379,052.63