

FY 2011

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

PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

In January, the outline and budget for the FY 2012 UPWP was presented to the Technical Committee and TPB. In February, the draft FY 2012 UPWP document was presented and reviewed by the Technical Committee, released for public comment on February 10, and presented to the TPB. The final draft FY 2012 UPWP and the carry over projects from FY 2011 will be presented to the Technical Committee in March and the TPB is scheduled to adopt them at its March 16 meeting.

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

B. Transportation Improvement Program (TIP)

In a February 9 letter, the FHWA and FTA found that the 2010 CLRP and FY 2011- 2016 TIP conform to the region's State Implementation Plans, and that the conformity determination was performed in accordance with federal regulations.

TPB staff processed a set of 11 administrative modifications to the FY 2011-2016 TIP, as requested by the District Department of Transportation.

C. Constrained Long-Range Plan (CLRP)

In a February 9 letter, the FHWA and FTA found that the 2010 CLRP and FY 2011- 2016 TIP conform to the region's State Implementation Plans, and that the conformity determination was performed in accordance with federal regulations.

TPB staff worked with staff persons from member agencies to prepare project submissions for the Draft 2011 Update to the CLRP. This included updating the Air Quality Conformity inputs table and creating "public-friendly" descriptions and maps to explain the new projects and significant changes. The TPB Technical Committee was briefed on the project submissions at their meeting on February 4. TPB staff worked with members of the Technical Committee over the following week to finalize the project submissions. On February 10, the project submissions were released for public comment at a public meeting. Notice of the public comment period was also provided in three local newspapers (Washington Post, El Pregonero, and Afro-American), on the

CLRP web site, on Facebook and via an email blast to all TPB subscriber lists. The Board was briefed on the project submissions at their meeting on February 16.

As part of the CLRP Update effort, staff calculated changes in accessibility of airports over time by making small-scale network changes to ensure adequate representation of transit destined to the area airports. Calculations made in January 2011 was revisited and the updated numbers were calculated using new methodologies.

As part of the overall technical support of the Priorities Task Force, staff completed an analysis of changes in accessibility to activity centers between 2011 and 2040 by writing new programs and evaluating the outputs to ensure that the simulated changes in accessibility to activity centers through time were reasonable.

Staff developed additional analysis of the 2010 CLRP using performance measures identified from the TPB Vision and COG's Region Forward. This analysis was presented to the Technical Committee at their February 4 meeting. Staff revised the presentation based on feedback received from that meeting and then presented the analysis to the Regional Priorities Plan Scoping Task Force at their meeting on February 16.

During the month of February, staff developed an outline and work plan for documentation of the 2010 CLRP. The documentation will be an expanded version of the brochure that has been produced for the past several years, incorporating more information on aspects of the CLRP such as the financial plan, the Bicycle and Pedestrian Plan, and the Freight Plan.

D. Financial Plan

No work activity during the reporting period.

E. Public Participation

The project submissions for the 2011 CLRP and FY2012-16 TIP were released for public comment on February 10. The TPB hosted a public meeting on the evening of February 10 on the project submissions.

The members of the 2011 CAC were appointed by the TPB on February 16. Because these members were not appointed in time for the normal CAC meeting, there was no official CAC meeting in February. However, members of last year's committee conducted an informal meeting at the COG offices to discuss the committee's position on the TPB's priorities plan scoping activities.

Staff began planning a website that will feature vignettes on regional transportation planning. This website will provide insight on how transportation decisions are made in the region.

Staff planned for a new session of the TPB's Community Leadership Institute on March 31 and April 2. By the end of February, a full roster of participants had been recruited. As in the past, the CLI will be facilitated by former TPB chairs Kathy Porter and Peter Shapiro.

Access for All Advisory Committee : During the month of February staff prepared for an Access for All Advisory Committee meeting that was held on February 25. Speakers were confirmed to present on the coordination between Metro's Access Advisory Committee and the AFA and WMATA's Title VI Transit Equity Analysis. The AFA meets next on April 28.

F. Private Enterprise Participation

No work activity during the reporting period.

G. Annual Report

The February TPB News was produced and distributed. Staff wrote text for the 2011 edition of *The Region*, the TPB's annual report.

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).

Staff prepared for the FY2012 round of TLC projects. For FY2012, staff determined that applicants for TLC technical assistance will have the opportunity to submit abstracts of potential projects in advance. In addition, the TLC Program will host a Peer Exchange Forum in September.

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 met with a *Washington Post* reporter and cameraman for a tour of the MATOC operations center in Greenbelt, Maryland. A major article in the Metro Section resulted from this tour.

- The DTP Director participated in a workshop on performance-based planning hosted by the Bi-Partisan Policy Center.
- The DTP Director met with representatives of the White Flint planning team to discuss linkages with the regional planning process.
- The DTP Director spoke on a panel for Congressional staff on transportation reauthorization hosted by T4America.
- The DTP Director spoke on transportation and land use issues as part of a class at George Mason University.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff examined the transportation impacts of the January 26 snow/ice event and presented the analysis results to the Management, Operations, and Intelligent Transportation Systems (MOITS) Policy Task Force and Technical Subcommittee Joint Meeting on February 8 and the TPB Board Meeting on February 16.

Staff continued work on solving the Geographic Information System (GIS) issues encountered in applying the I-95 Corridor Coalition/INRIX data in TPB's planning processes and programs.

Staff continued work with staff from the I-95 Corridor Coalition, INRIX, Inc., and Virginia Department of Transportation for potential supplementary data procurement.

Staff started to compile documents and data to produce the 2011 Congestion Management Technical Report.

On February 23, staff participated in the I-95 Corridor Coalition Vehicle Probe Project team webcast.

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 February 8, 2011, with a continuing focus on emphasis areas identified in the 2010 Strategic Plan for the MOITS Planning Program, as well as on emerging priorities. MOITS participants received and discussed a detailed briefing on the Regional Bus

Priority Treatment Guidelines Report (developed under the guidance of the Regional Bus Subcommittee).

- The MOITS committees and staff continued reviewing experiences and information from the disruptive January 26, 2011 winter storm, and provided advice to the Metropolitan Area Transportation Operations (MATOC) Program and other committees regarding transportation operations during the storm. MOITS Participants were also briefed on overall progress in the operations of MATOC, in coordinating regional incident management, and provided guidance and feedback.
- Staff continued coordinating MOITS activities with the Regional Emergency Support Function #1 – Emergency Transportation Program, Committee (see also Item 2.C.).
- Staff guided work undertaken by the contractor team on the Metropolitan Area Transportation Operations Coordination (MATOC) Program (also see contractor work documented under Item 2.I.), and worked with the contractor and University of Maryland staff on continuing short-range planning issues for MATOC. The current structuring and potential restructuring of MATOC's ongoing support was of particular focus.
- MOITS input to the draft FY2012 Unified Planning Work Program was finalized, including details of a proposed Technical Assistance Project on "Multi-Modal Coordination for Bus Priority Hot Spots" in conjunction with WMATA, departments of transportation, and the Regional Bus Subcommittee.

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 as scheduled on February 11, 2011. The RESF-1 Committee had a presentation and discussion on the National Capital Region Video Sharing Project that is currently in process under the Critical Infrastructure Protection Group. Further, the group discussed the role of RESF-1 in an emergency incident. Fairfax County Connector Bus staff presented best practices they utilized when communicating via Facebook to their customers during the January "Thundersnow" incident. Finally, the committee discussed transportation related Regional Defense Network Investment Concepts.

During the month of February, as requested by the Chief Administrative Officers Committee, an annual report was developed by staff for the RESF-1 Committee's activities during 2010. This report also noted work plan items for 2011. RESF-1 is scheduled to meet again on March 18th 2011 on their newly agreed upon meeting date.

D. Transportation Safety Planning

Staff compiled 2010 Fatality data for the jurisdictions of the Washington region from the FHWA FARS web site, and 2008 injury data from the states.

Staff identified new Safety program activities that the new safety staff person will be assigned.

E. Bicycle and Pedestrian Planning

Staff reviewed possible revisions to the (previously unsuccessful) grant application for Capital Bikeshare from Kaiser Permanente, and participated in a conference call with Kaiser Permanente representatives regarding that application. Staff also reviewed outreach brochures to jurisdictions and developers for Capital Bikeshare.

Staff compiled and analyzed pedestrian and bicycle safety data, and prepared a presentation on the Street Smart Pedestrian and Bicycle Safety Campaign for the TPB Technical Committee. Staff applied for grant funding for the Street Smart campaign, and prepared a packet requesting funding from the TPB member jurisdictions for the signature of the TPB Chair.

Staff assisted in editing and revising the Bike to Work Guide for Employers and Employees, and gathered comments and revisions from members of the Bicycle and Pedestrian Subcommittee.

Staff attended the Maryland Bicycle Symposium in Annapolis, MD, on February 22nd, and an FHWA webinar on resources for pedestrian safety planning.

F. Regional Bus Planning

Staff collected initial inputs for the 2011 Regional Bus Projects Priority List (updating the 2008 list) and reviewed the list with regional bus subcommittee participants. At the February meeting, the Bus Subcommittee received an update on the Regional Emergency Support Function-1 (Transportation) and a presentation on Metrobus high-frequency mapping efforts and the possibility of using them as a regional model were also discussed.

G. Human Service Transportation Coordination

In January, COG issued a request for proposal (RFP) to conduct an assessment of the TPB's Job Access Reverse Commute (JARC) and New Freedom program and projects. Proposals were due February 4. During the month of February, staff reviewed the proposals and assisted with the organization of the technical selection committee to make a recommendation on a consultant. The consultant was selected and work is anticipated to begin in March after a contract is executed.

H. Freight Planning

- Staff organized and led a meeting of the Freight Subcommittee on February 3, 2011, focused on the Draft Freight Transportation Highlighted Projects list. The highlight list was significantly expanded and detailed compared the previous January 2011 version, with staff coordinating input from freight stakeholders including the Class 1 and passenger railroads, the Departments of Transportation (DDOT, MDOT, and VDOT), and the local jurisdictions.
- Staff coordinated and participated in the February 9, 2011 Council of Supply Chain Management Professional monthly Roundtable, this month focusing on Real-Time In-Transit Tracking Monitoring and Security.
- Freight data was provided as background information to the Regional Priorities Scoping Process Workgroup meeting on February 16, 2011.
- Preparations continued for the Regional Freight Forum to be held April 27, 2011 at the Hyatt Regency on Capitol Hill. Staff made significant progress in formulating the agenda, inviting and securing commitments from potential speakers, and arranging meeting logistics.
- The February 2011 *Focus on Freight* e-newsletter was prepared and published.

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 February 2011, under the guidance of staff, the contractor prepared for and participated in the MATOC Information Systems Subcommittee and Operations Subcommittee meetings on February 10. The contractor also prepared technical and administrative materials in support MATOC's overall activities throughout the month. Included was continued development of reports and proposals to follow up on the snow storm of January 26 – 27.

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

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

2011 CLRP & FY2012-2017 TIP: Staff continued the review of the 3722 TAZ 2040 forecast year highway network and made necessary corrections to the

network database in preparation for the upcoming conformity analysis. Staff began a review of projects in the iTIP database to determine if any projects that were considered “regionally significant” in the past, have changed status and would need to be included in the conformity analysis.

Staff presented the draft Scope of Work of the 2011 CLRP Amendments Air Quality Assessment to the following committees at their respective February meetings: TPB Technical Committee, TPB, Conformity Subcommittee, MWAQC TAC and MWAQC. The TPB Technical Committee suggested changes and staff incorporated the updates in the final version of the document.

Staff completed the draft project input tables in time for the beginning of the public comment period. This work included comparison of the new inputs to those in last year’s analysis to identify changes and communication with state and local jurisdictions to clarify project details. Staff identified projects that represent “significant changes” since the 2010 CLRP.

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

B. Mobile Emissions Analysis

Staff responded to a data request for the MDOT Climate Change Report by providing copies of the TPB technical analysis of greenhouse gas reduction strategies. Staff also responded to a data request from DDOE for inputs in MOVES model format for use in the national urban air shed model. Staff also requested DEP to obtain vehicle identification numbers for all registered vehicles in the District of Columbia and local-area jurisdictions in Maryland and Virginia as of July 1, 2011.

Staff is moving ahead with revisions of the emissions estimates of the greenhouse gas reduction strategies listed in the “What Would it Take” report using CO₂ emissions rates from the MOVES2010a model. The work is expected to be completed by the end of March.

Staff completed sensitivity tests using local start rates for non-attainment jurisdictions instead of MOVES default values. The local start rates were extracted from the 2007-08 Household Travel Survey.

Staff made a presentation to the MWAQC on the comparative analysis of criteria pollutants using MOBILE6.2 and MOVES, a topic that was previously presented to the joint meeting of the MOVES Task Force and the MWAQC TAC in January 2011.

C. Regional Studies

Regional Transportation Priorities Plan (RTPP): Staff performed work to prepare for the third meeting of the TPB Priorities Plan Scoping Task Force scheduled for February 16. At the meeting, TPB staff presented a baseline performance analysis of the 2010 CLRP to illustrate some of the challenges facing the region, including: addressing transit and road system capacity constraints, increasing the walkability of regional activity centers, and continuing to meet federal air quality conformity requirements. The RTPP will articulate funded and unfunded transportation priorities built upon regional policies. The next task force meeting is scheduled for April 20.

Implementation Guidelines for Prioritizing Bus Transit: Contract has been extended to develop an executive summary and presentation. A presentation was given to the MOITS subcommittee by consultant staff.

CLRP Aspirations Scenario: Staff developed a methodology for calculating project costs and revenues for highway facilities and transit services as part of this project. Staff also streamlined the network of the “full” alternative in order to reduce costs while providing better accessibility to/from activity clusters.

The network streamlining was based on four principles: (1) by applying the “take a lane and add a lane” policy; (2) by incorporating lane configurations from previous or current projects; (3) by removing interchanges selectively; and, (4) by only allowing HOT lane traffic by peak direction where HOT lane demands are not adequate to justify the facility.

D. Coordination Cooperative Forecasting & Transportation Planning

Staff responded to data requests and 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 completed the detailed mapping and assignment of 3722-TAZs to 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 continued an analysis of the 5-year (2005-2009) American Community Survey (ACS) socio-economic characteristics data for jurisdictions in the metropolitan Washington region.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

Staff continued the refinement of the 2040 highway and transit networks on the 3,722- TAZ system based on the FY 2010 CLRP. The 2040 networks are anticipated to be finalized by early March, in time for a validation run of the Version 2.3 travel model. Some minor transit network refinements have been made to the 2007 networks files as well, based on development work on the 2040 networks.

Staff has also continued the update of the base year transit networks which will, in turn, inform the forecast year networks developed for the upcoming air quality conformity determination (2011 CLRP). Transit route delineations, running time, and frequencies are being checked against the most recent schedules.

Staff reviewed the Version 2.3 model calibration report and provided comments to the model developers. The comments consist of possible improvements when the final version of the model is prepared.

B. GIS Technical Support.

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

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

Staff continued the upgrade of GIS workstations to ArcGIS version 9.3.1. This work is now 90% complete.

Staff continued the consolidation of various ArcGIS shapefiles into ArcGIS geodatabases to enhance operational efficiency.

Staff reviewed the contractor proposals submitted in response to the RFP for the GIS Data Exchange Project.

The GIS Committee held a work session on February 22, 2011 to select the contractor for the GIS Data Exchange Project and review the schedule and next steps for this project.

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

C. Models Development

TPB staff completed the initial calibration and validation of the Version 2.3 travel model on the 3,722-TAZ system for year 2007. This work has been under

development for over two years and has been informed largely by the 2007/08 Household Travel Survey. Staff presented on their findings to the Travel Forecasting Subcommittee at a special meeting held on February 28. Staff distributed two draft Version 2.3 documents, a calibration report and a user's

guide, for the subcommittee's review and comment. Staff is now moving forward with: 1) the execution of the Version 2.3 travel model for a future year (2040), and 2) running and evaluating the transit assignment process. Staff also anticipates working with the TFS to identify sensitivity tests of the new travel model.

TPB staff has continued its active involvement with the ongoing Association of Metropolitan Planning Agencies (AMPO) Advanced Travel Modeling Study. The consultant team delivered the final draft of the Phase 1 report in mid-February. Staff reviewed the final report and looks forward to discussing the overall findings with the other ten funding MPOs in early March.

D. Software Support

Staff coordinated logistical details on Windows 7 upgrades with ITFM in order to minimize work interruption. The upgrade was completed and all software issues caused by the upgrade were resolved.

5. **TRAVEL MONITORING**

A. Cordon Counts

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

B. Congestion Monitoring and Analysis

The arterial highway speed/travel time data collection project has continued in February without delays due to the weather. Data has been collected on all the scheduled routes in Virginia and Maryland with the exception of US 29. In parallel, staff has completed breaking up the data into individual data collection runs for four routes in Virginia.

A request for cost proposal was prepared and sent to a consultant to conduct an aerial survey of regional highway segments in accordance with the existing tri-annual schedule of assessing regional congestion. The aerial survey is scheduled to take place by the end of May and supplemental analyses to be conducted by the consultant in the ensuing months.

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

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

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

Staff continued development of the RFP for the TPB 2011 Household Travel Survey that is to be conducted in six geographically-focused subareas.

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.

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

6. TECHNICAL ASSISTANCE

A. **DISTRICT OF COLUMBIA**

1. Program Development, Data Requests & Miscellaneous Services

No work activity during the reporting period.

2. FY10 DDOT Traffic Counts

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

Staff completed the processing of the Mobility Technology continuous traffic count data and developed draft annual, seasonal and day of week factors for the development 2010 AADT traffic count volumes.

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

The UPWP portion of this project is complete.

Staff completed the data collection for a block by block parking capacity study for the Georgetown area of the District of Columbia with DDOT funding from a non-UPWP funding source in January. Staff responded to questions and the request for some additional analysis of the parking data collected in Wrd 6 and Columbia Heights.

5. Truck and Bus Restriction Sign Survey Phase I

No work activity during the reporting period.

6. 2009 Automobile Travel Time Survey – Phase II

Staff continued analysis of the GPS data collected along 17 major arterials in the District of Columbia during the PM peak period.

B. MARYLAND

1. Program Development /Management

Work continued towards reformatting of the Maryland Technical Assistance components for the FY2012 UPWP in order to accommodate recently added work requests and to align the overall program with current and future state planning activities. In addition, budgetary assessments were conducted to determine the likely carryover amounts for FY2012.

2. Miscellaneous Services

Staff attended a Montgomery BRT study team meeting. In preparation for the meeting, staff reviewed a set of draft modeling results transmitted by the project team consultants. During the meeting, TPB staff contributed modeling results and identified key differences between the CLRP and project team simulated data.

3. MDOT Training / Technical Support

No work activity during the reporting period.

4. Western Mobility / I-270 Studies

No work activity during the reporting period.

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

No work activity during the reporting period.

6. Project Planning / Feasibility Studies

I-270 Subarea Study: in response to a request by MD SHA, staff created additional summaries of I-270 modeling results and transmitted them for review. The requested summaries included supplemental V/C ratio breakdowns and managed lanes comparisons.

Baltimore-Washington Parkway Feasibility Study: In preparation for a project coordination meeting with FHWA/EFLHD staff revised base-year networks to enhance the network resolution in the corridor study area. Pivoting from the 2005 network based on the 2010 CLRP, staff reviewed and updated the number of lanes, adjacent facilities, interchange locations, roadway classifications and centroid connectors.

7. Traffic Impacts

No work activity during the reporting period.

8. Project Evaluation

No work activity during the reporting period.

9. Monitoring Studies

The Maryland SHA collected speed data concurrently with the MWCOG/DTP arterial street congestion monitoring survey along three routes in order for staff to assess the feasibility and effectiveness of the Blue Tooth technology as a data collection device.

10. MD Statewide Travel Demand Model

No work activity during the reporting period.

11. Development / Refinement of Technical Methods

Staff continued work on the BCA.net model by attempting to replicate results from case studies included in the manual. Upon failing to replicate the results of the manual, FHWA was contacted and notified that the results shown in the manual were wrong and that no follow up technical

support was available. In light of these limitations on technical support by FHWA, the work performed thus far was documented in a project status report, which is currently under internal review. Its conclusions will be presented to the Maryland SHA in the near future.

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 January. 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.

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

Upon receiving approval by VDOT to utilize the budget set aside for this work element for the technical work associated with the FY2010 CLRP

and FY2011-2016 TIP amendment for the VA I-95/I-395 HOT Lanes amendment, staff developed a Scope of Work and presented it to the following committees at their respective February meetings: TPB Technical Committee, TPB, Conformity Subcommittee, MWAQC TAC and MWAQC. Staff also coordinated with VDOT on obtaining details on highway and transit network coding assumptions for the amendment.

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 of the projects in the technical assistance program.

2. Miscellaneous Services

No work activity during the reporting period.

3. Metrorail Station Access Alternatives Study

After review by a technical selection committee of WMATA and TPB staff, an award for contract assistance was made to Parsons Brinckerhoff America to conduct this study.

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

A. Conduct 2009 Air Passenger Survey

This task is complete.

B. Process 2009 Air Passenger Survey

This task is complete.

C. Ground Access Forecast and Element Updates

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

This task is complete.

2. Ground Access Element Update

This task is complete

D. Ground Access Travel Time Study

Phase 1 of this project was completed in January and Phase 2 was begun in February. Staff began developing the database structures for the collection of the GPS travel time data.

E. Other CASP Activities

No activity to report during the reporting period.

8. **SERVICES/SPECIAL PROJECTS**

CONSULTANT SUPPORT

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

**FY 2011 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY**

FY-TO-DATE February 28, 2011

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	57,115.91	81%
B. Transportation Improvement Program (TIP)	240,600.00	111,020.16	46%
C. Constrained Long-Range Plan	588,400.00	431,747.39	73%
D. Financial Plan	64,000.00	64,098.89	100%
E. Public Participation	371,900.00	300,206.56	81%
F. Private Enterprise Participation	18,300.00	6,693.00	37%
G. Annual Report	80,100.00	14,565.76	18%
H. Transportation / Land Use Connection Program	395,000.00	131,121.47	33%
I. DTP Management	452,100.00	263,810.49	58%
SUBTOTAL	2,281,100.00	1,380,379.63	61%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	205,000.11	95,274.30	46%
B. Management, Operations & ITS Planning	340,300.00	165,208.46	49%
C. Emergency Preparedness Planning	75,400.00	41,790.62	55%
D. Transportation Safety Planning	125,000.45	26,257.91	21%
E. Bicycle and Pedestrian Program	108,700.00	87,856.86	81%
F. Regional Bus Planning	100,000.00	69,022.63	69%
G. Human Service Transportation Coordination Planning	194,799.85	75,000.12	39%
H. Freight Planning	149,999.96	86,076.00	57%
I. MATCO Program Planning & Support	150,000.00	60,456.87	40%
	1,449,200.36	706,943.78	49%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	409,188.17	73%
B. Mobile Emissions Analysis	640,100.00	525,430.89	82%
C. Regional Studies	766,149.51	355,774.57	46%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	350,535.26	48%
SUBTOTAL	2,696,249.51	1,640,928.89	61%

**FY 2011 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
FY-TO-DATE February 28, 2011**

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	546,429.09	71%
B. GIS Technical Support	548,800.00	309,125.70	56%
C. Models Development	1,221,200.00	538,472.08	44%
D. Software Support	178,900.00	74,360.35	42%
SUBTOTAL	2,718,600.00	1,468,387.22	54%
5. TRAVEL MONITORING			
A. Cordon Counts	250,800.00	67,800.57	27%
B. Congestion Monitoring and Analysis	475,000.00	209,752.59	44%
C. Travel Survey and Analysis			
Household Travel Survey	706,299.52	102,616.81	15%
D. Regional Transportation Clearinghouse	368,100.00	218,318.73	59%
SUBTOTAL	1,800,199.52	598,488.70	33%
SUBTOTAL CORE PROGRAM ITEMS 1-5			
	10,945,349.40	5,795,128.22	53%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	405,050.00	140,739.03	35%
B. Maryland	886,000.00	235,797.24	27%
C. Virginia	787,600.00	174,582.31	22%
D. WMATA	194,500.00	11,157.48	6%
SUBTOTAL	2,273,150.00	562,276.06	
TPB GRAND TOTAL	13,218,500.00	6,357,404.28	48%

**FY 2011 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
FY-TO-DATE February 28, 2011
SUPPLEMENT 1**

	COST CODES	TOTAL		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	47,842.81	18,000	4,305.85	182,000	43,536.96		
3. Bicycle Counts	042	60,000	21,806.63	5,400	1,962.59	54,600	19,844.04		
4. Curbside Data Collection	043	60,000	60,833.11	5,400	5,474.95	54,600	55,358.16		
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	8,275.33	2,700	744.78	27,300	7,530.55		
SUBTOTAL		405,050	140,739.03	36,455	12,666.46	368,597	128,072.57		
B. Maryland									
1. Program Development/Management	060	25,000	8,822.74	2,250	794.04	22,750	8,028.70		
2. Miscellaneous Services	061	121,000	7,323.80	10,890	659.14	110,110	6,664.66		
3. MDOT Training /Technical Support	062	50,000	7,125.33	4,500	641.28	45,500	6,484.05		
4. SHA-Western Mobility/Capital Beltway Studies	063	75,000	87,715.76	6,750	7,894.37	68,250	79,821.38		
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	61,245.48	14,400	5,512.10	145,600	55,733.38		
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	38,109.06	6,750	3,429.80	68,250	34,679.26		
12. Transportation /Land Use	071	100,000	19,097.00	9,000	1,718.74	91,000	17,378.26		
SUBTOTAL		886,000	235,797.24	79,740	21,221.69	806,261	214,575.55		
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	156,321.54	24,750	14,068.96	250,250	142,252.58		
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. TraqsAction 2040 Plan Support	086	64,000	28.05	5,760	2.52	58,240	25.53		
8. High Occupancy /Toll (HOT) Lane Traffic Analyses	087	50,000	7,769.42	4,500	699.24	45,500	7,070.18		
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		787,600	174,582.31	70,884	15,712.42	716,717	151,799.71		
D. WMATA									
1. Program Development	100	10,000	8,060.07	10,000	8,060.07	0	0.00		
2. Miscellaneous Services	101	7,600	3,097.41	7,600	3,097.41	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	11,157.48	194,500	11,157.48	0	0.00		
GRAND TOTAL		2,273,150	562,276.06	381,579	60,758.05	1,891,574	494,447.83		