

FY 2011

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

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

The final draft FY 2012 UPWP and the carry over projects from FY 2011 were presented to the Technical Committee in March. The TPB adopted the FY 2012 UPWP and carry over projects at its March 16 meeting. In April the FY 2012 UPWP will be submitted to FHWA and FTA for their review and approval.

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

B. Transportation Improvement Program (TIP)

On March 4, the TPB Steering Committee approved three amendments to the FY 2011-2016 TIP. The first two amendments were requested by the Virginia Department of Transportation to include the Route 95-Freeman's Cemetery Enhancements Project and to include funding for the Engineering Studies of the Extension of HOV and General Purpose Lanes on I-55 from Route 29 to Route 15. The third amendment was requested by the Maryland Department of Transportation to fund the Purple Line, South County Circulator Bus purchases, and Interchange Improvements on MD 2010 near Joint Base Andrews.

TPB staff processed seven administrative modifications to the FY 2010-2015 TIP during the month of April; one for the District Department of Transportation, five for the Maryland Department of Transportation and one for TPB's listing of TIGER projects.

C. Constrained Long-Range Plan (CLRP)

As part of the CLRP evaluation effort, staff worked with other DTP departments and assisted with preparation and review of Technical Committee presentations related to "accessibility" measures.

On March 4, the TPB Technical Committee was briefed on the draft project submissions for the 2011 update to the CLRP, the 2010 CLRP amendments, and the comments received on both, to date. The Virginia Department of Transportation requested that the I-66 HOV/General Purpose widening project be included as a part of the amendment package to the 2010 CLRP.

The public comment period on the project submissions for the 2011 CLRP update and 2010 CLRP amendments closed on March 12. Staff tabulated and summarized the comments received and worked with the submitting agencies to draft responses on behalf of the TPB. At the TPB meeting on March 16, the Board was briefed on the project submissions and the comments received and

presented with the draft responses. The Board accepted the proposed responses and then approved the projects for inclusion in the Air Quality Conformity Assessments for the 2011 CLRP and the amended 2010 CLRP.

During the month of March, staff began development of the content for the 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. TPB staff also continued to work on the performance analysis of the 2010 CLRP to be presented to the TPB's Priorities Plan Scoping Task Force in April and to be included in the expanded brochure for the CLRP.

D. Financial Plan

No work activity during the reporting period.

E. Public Participation

Staff conducted the seventh session of the TPB's Community Leadership Institute on March 31 and April 2. The CLI is designed to help community leaders better understand the region's transportation decision-making process, and how their local interests connect to the regional context. As in the past, the CLI was facilitated by former TPB chairs Kathy Porter and Peter Shapiro.

The 2011 CAC held its first meeting of the year on March 10, 2011. The committee hosted TPB Chair Muriel Bowser who spoke about her priorities for 2011. Most of the meeting was spent discussing ideas for focusing the Committee's efforts this year.

Staff continued 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.

The public comment period for the project submissions for the 2011 CLRP and FY2012-16 TIP ended on March 12.

F. Private Enterprise Participation

No work activity during the reporting period.

G. Annual Report

The March TPB News was produced and distributed. Staff wrote additional text and design began on 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).

On March 1, a call for projects was issued for the FY2012 round of TLC projects. A Pre-Application Workshop was hosted in March. For FY2012, staff determined that applicants for TLC technical assistance will have the opportunity to submit abstracts of potential projects in advance. Nine abstracts were received by March 31.

I. DTP Management

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

- The DTP Director participated in a panel discussion at the annual meeting of the International Bridge, Tunnel, and Turnpike Association (IBTTA) to discuss tolling projects in the National Capital Region.
- The DTP Director participated in a panel discussion on MPO responsibilities at the annual meeting of the National League of Cities.
- The DPT Director and staff participated in a pilot training program on performance management sponsored by the Federal Highway Administration.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff continued coordination among member agencies on the use of the I-95 Corridor Coalition Vehicle Probe Project/INRIX data, the development of performance measures and the potential supplementary data procurement, including participating joint meetings in Richmond, VA on March 15, and in Baltimore, MD on March 28.

Staff continued work on the dashboard-like, quarterly-updated regional freeways, arterials, transit, and incident management. The format of this report was also preliminarily determined.

Staff continued work on solving the Geographic Information System (GIS) issues encountered in applying the I-95 Corridor Coalition Vehicle Probe Project/INRIX data in TPB's planning processes and informed the work group of the INRIX map update scheduled on March 29.

Staff continued compiling documents and data to produce the 2011 Congestion Management Process Technical Report.

On March 17, staff monitored an INRIX Inc. webinar – INRIX National Traffic Scorecard 2010 Annual Report. On March 23, staff attended a FHWA webinar Congestion Management Process: A Guidebook.

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 March 8, 2011, focusing on providing comment on a U.S. Department of Transportation effort entitled "Professional Capacity Building (PCB) Program Project to Identify Core Competencies Critical to ITS Positions".
- 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 also discussed the new effort under the COG Board of Directors for a Regional Major Incident Response Action Plan developed in response to the January 26 storm.
- Staff continued coordinating MOITS activities with the Regional Emergency Support Function #1 – Emergency Transportation Program, Committee (see also Item 2.C.).
- Staff guided work undertaken by the contractor team on the Metropolitan Area Transportation Operations Coordination (MATOC) Program (also see contractor work documented under Item 2.I.), and worked with the contractor and University of Maryland staff on continuing short-range planning issues for MATOC. The current structuring and potential restructuring of MATOC's ongoing support continued to be of particular focus.
- In coordination with staff of the Baltimore Metropolitan Council, preparations began for the Baltimore-Washington Regional Traffic Signals Forum to be held May 25 in Linthicum, Maryland.
- On March 17, staff participated in a webinar as part of a continuing Federal Highway Administration expert panel on operations benefit/cost analysis.

C. Transportation Emergency Preparedness Planning

The Regional Emergency Support Function-1 – Transportation (RESF-1 – Transportation) Committee provides an interface between transportation and emergency management agencies and is staffed by a Public Safety Planner from COG's Department of Public Safety and Health. The RESF-1 committee met as scheduled on March 18th, 2011. The RESF-1 committee discussed how MATOC could assist in regional alerting via the Regional Incident

Communication and Coordination System (RICCS). Following this discussion, the committee reviewed membership and contact information for their organizations in the newly modified RESF-1 INFO and RESF-1 CORE contact lists in RICCS. The committee then received a briefing from staff on the current status of the Urban Area Security Initiative (UASI) FY 2011 grant as well as the draft Chief Administrative Officers (CAO)/ Senior Policy Group (SPG) policies for regional grant projects. Comments on the grant policy document were collected from members and submitted on behalf of the committee.

Also during the March meeting, RESF-1 discussed the initial stages of the region's developing Incident Response Action Plan. This action plan is being developed in response to the January 26th regional snow event. It is anticipated that RESF-1 and RESF-1's staff support will play a significant role in this planning activity in the near future. RESF-1 is scheduled to meet again on April 15th 2011.

D. Transportation Safety Planning

In support of the Street Smart program, staff compiled information on recent pedestrian and bicycle safety activities by the partner agencies, as well as information on 2010 injuries from jurisdictions from which it was available (not all). Staff completed compilation of 2010 pedestrian and bicyclist fatality data from the Departments of Transportation and from the individual jurisdictions. Staff produced charts and tables showing multiyear trends and jurisdictional breakdowns which were shared with the press.

Staff briefed the Police Chiefs Committee on the Street Smart Pedestrian and Bicycle safety campaign, and attended at meeting of the Maryland Safety Task Force in Montgomery County to discuss the campaign.

Transportation safety planning information was provided for a new brochure being developed for the CLRP, based upon the Safety Element of the CLRP.

Data compilation and analysis continued in preparation for future briefings.

E. Bicycle and Pedestrian Planning

Coordination continued between the Bicycle and Pedestrian Planning Program and the spring 2011 Street Smart Pedestrian and Bicycle Safety Campaign (the campaign is funded by transportation safety funds and other contributions, and does not include UPWP funding). Comments from the TPB Technical Committee on March 4 were integrated into the campaign, which was subsequently kicked off in late March. Staff also submitted a grant proposal to the Virginia Office of Highway Safety for the FY 2012 Street Smart campaign.

Bicycle and pedestrian planning information was provided for a new brochure being developed for the CLRP, based upon project listings and text from the Bicycle and Pedestrian Plan.

The regular bi-monthly Bicycle and Pedestrian Subcommittee was held on March 15, including a briefing by David Patton on the automated bicycle and pedestrian counting program at Arlington County. Other jurisdictions which are currently doing manual counts are considering using some of the technologies which were discussed. The Subcommittee was also briefed on the WMATA Bicycle and Pedestrian Capital Improvement Program development process. WMATA staff made a call for projects, asking the subcommittee members to identify pedestrian and bicycle access improvement projects both on and near WMATA property, for possible incorporation into the Capital Improvement Program. As per FTA guidelines, projects up to ½ mile from rail stations are eligible. The Subcommittee members expressed strong interest in the program.

F. Regional Bus Planning

The Regional Bus Subcommittee developed an initial summary of the 2011 Regional Bus Projects Priority List, for presentation at the TPB Technical Committee in April and the TPB in March. Participants at the monthly meeting also discussed mystery shopper programs, and the possibility of joint procurement and/or use of rider options were discussed. In long-range planning efforts, development of an updated Aspiration scenario continues, with the hypothetical regional express bus network being re-designed to match the managed lane highway network being developed for the new scenario.

G. Human Service Transportation Coordination

During the month of March, work began on the evaluation of TPB's Job Access Reverse Commute (JARC) and New Freedom program and projects. A contract was executed with Nelson/Nygaard to conduct the evaluation. Staff prepared for two-days of meetings with the consultants on March 22 and March 23; interviews with project sponsors, and a focus group of the Human Service Transportation Coordination Task Force was organized. After the kick-off meeting, staff began to collect sub grant information for 34 JARC and New Freedom grants for the consultant including grant applications, contracts, annual performance measures, the program of projects submitted to FTA, quarterly financial data.

H. Freight Planning

- Staff organized a meeting of the Freight Subcommittee on March 3, 2011. The Freight Subcommittee finalized the list of Freight Transportation Highlighted Projects. Staff's presentation included significant details for each project based on input from freight stakeholders including the Class 1 and passenger railroads, the Departments of Transportation (DDOT, MDOT, and VDOT), and the local jurisdictions.

- On March 2, staff participated in a meeting on the Transportation Land Use Connections (TLC) program in Frederick County. Staff briefed attendees on the Transportation Planning Board Freight Program. Frederick County was awarded a TLC grant to examine freight transportation land use and methods to attract freight facilities and economic growth in the county.
 - Staff attended the Baltimore Metropolitan Council Freight Movement Task Force meeting on March 24, 2011.
 - Staff coordinated and attended a Council of Supply Chain Management Professionals meeting on March 29, 2011.
 - Staff prepared for the April 27, 2011 Regional Freight Forum, by confirming speaker invites, coordinating event location details, and inviting freight stakeholders to attend.
 - The March 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 March 2011, under the guidance of staff, the contractor prepared for and participated in the MATOC Operations Subcommittee meeting on March 10, and the MATOC Steering Committee meeting on March 11. 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 January 26 storm.

Staff reviewed draft deliverables and other materials and provided feedback to the contractor, and helped preparations for the April 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 and transit networks in preparation for the upcoming conformity analysis. Staff continued to review projects in the iTIP database to determine if any project has changed status and it would now need to be included in the conformity analysis. This determination became necessary this year since the definition of "regionally significant project" was recently altered.

Staff presented the Scope of Work and project inputs to TPB for approval. Staff also reviewed BMC and FAMPO CLRPs for changes since last year, and edited the conformity projects' table accordingly before the adoption of project inputs by the TPB.

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 March TPB meeting and air quality conformity consultation elements.

B. Mobile Emissions Analysis

Staff responded to a data request from Base Technologies – a contractor working for the Commuter Connections program – on a web based Commute Calculator used to estimate commuting cost and emissions benefits from alternatives to Single-Occupancy-Vehicle (SOV) commuting. Staff generated 2005 VHT fraction data in response to a data request. This task required re-executing the model post processor by vehicle type using travel demand outputs and summation of the outputs by hour, jurisdiction and vehicle type in MOBILE6.2 format. Also in response to requests for data, staff extracted start rates from the 2007/08 Household Travel Survey and provided 2030 VMT fraction data by route type based on the 2010 CLRP model outputs.

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. Staff prepared a PowerPoint presentation on the subject to be presented at an April APA conference.

C. Regional Studies

CLRP Aspirations Scenario: Staff held internal meetings in order to review and finalize the scaled-down network reflecting reduced lanes and interchanges as part of a less expensive system of HOT lanes than previously. Staff began network coding and created networks for Base, Pump Prime and Final runs following coding assumption requirements and continued work on revising interchanges and network directionality in a manner that is consistent with model assumptions.

Implementation Guidelines for Prioritizing Bus Transit : Contractor completed a Final set of edits to the guidelines document. Presentation is planned for May to the TPB Technical Committee.

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 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.

Staff requested and obtained updated TAZ-level population, household and employment forecasts from the Baltimore Metropolitan Council for Anne Arundel, Howard and Carroll Counties. Staff also contacted FAMPO and the Charles County Planning Office about possible updates to their TAZ-level forecasts.

Staff began preparation of updated TAZ-level land activity forecasts for the 2011 Constrained Long Range Plan Air Quality Conformity Analysis. Because no COG member jurisdictions will be updating their Round 8.0 growth forecasts this year, the updated land activity forecasts will be termed "Round 8.0A" and will contain only updates for the BMC jurisdictions in TPB modeled area.

4. DEVELOPMENT OF NETWORK / MODELS

A. Network Development

Following initial model executions of the Version 2.3 model for the year 2040, staff detected minor inconsistencies between the 2007 and 2040 highway and transit networks used in model validation work. The inconsistencies have been addressed during March. Staff also spent a substantial amount of time retrieving highway ground count data to increase the sample of highway links with observed traffic counts, particularly for links crossing "screenlines" which is critical for assessing model performance.

Staff continued work on the update of the base year transit networks which will be used in the upcoming air quality conformity determination (2011 CLRP). Transit route delineations, running time, and frequencies are being checked against the most recent schedules.

Staff explored the DP application for the upcoming Version 2.3 model and provided comments to the model developers.

B. GIS Technical Support

Staff upgraded the ArcGIS server to a 64-bit architecture and continued to monitor operational performance of this server on daily basis.

Staff continued the upgrade of GIS workstations to ArcGIS version 9.3.1. This work is now 95% complete and only a few workstations remain to be upgraded.

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

Staff updated the GIS Metadata Editor and customized metadata style sheets for DTP spatial data sets.

A contractor was selected for the COG-sponsored local jurisdiction GIS Data Exchange Project and the GIS Committee had a kick-off meeting with the selected contractor.

C. Models Development

Staff has moved forward with the validation activities of the Version 2.3 travel model on the 3,722 TAZ system. These activities included: 1) executing the travel model for the year 2040, 2) conducting an assessment of the transit assignment capability for 2007, and 3) testing software options to increase computational speed in order to decrease the model running time. Each of these activities progressed during March. Staff anticipates sharing the results of these activities at a special TFS meeting scheduled for April 29. Staff also anticipates disseminating the Version 2.3 model to interested agencies after the April 29 meeting.

The ongoing contract with Cambridge Systematics, Inc. (also known as the “scan of best modeling practice”) has progressed during March. CS is currently working on three tasks:

- Task 11: Provide technical guidance and support pertaining to transit assignment for The Version 2.3 travel model.
- Task 12: Perform services to support consideration of available travel demand forecasting software packages
- Task 13: Perform review of selected Version 2.3 travel demand forecasting model methods, scripts, and potential enhancements.

TPB staff shared the new travel model, including the transit assignment process, with the consultant during March.

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 met with the consultant team (headed by Vanasse, Hangen, and Brustlin) on March 30 to discuss the

refinement of the final report and the work scope for the next phase of the study.

D. Software Support

Staff coordinated work efforts with Information, Technology and Facilities Management (ITFM) staff in order to improve the performance of travel demand modeling servers. Staff worked on the application results of distributive processing (DP) for Version 2.2 model and. Staff also created GIS walk shed and link files for 2030 using the revised transit files.

5. **TRAVEL MONITORING**

A. Cordon Counts

Staff completed 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 March without delays due to the weather. There have been delays due to the annual downtown Cherry Blossom festival, which disrupted “normal” travel patterns in the downtown area, resulting in a small delay of District of Columbia surveys. A few make up runs are scheduled for early April. Data continued to be processed shortly after collection by converting them into machine readable format, breaking up the data into individual tours and converting them to GIS shape files for further analyses.

The contract with the aerial survey consultant was executed and necessary waivers by the Transportation Security Administration (TSA) have been obtained, in order to allow commercial aircraft to fly in the restricted air space of the District of Columbia. Aerial surveys have been scheduled for April.

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.

Staff began development of a GIS application to process GPS data collected in floating car travel time runs and link the speed, delay and travel times to major segments of the regional highway network.

6. TECHNICAL ASSISTANCE

A. DISTRICT OF COLUMBIA

1. Program Development, Data Requests & Miscellaneous Services

In response to a data request by a consultant working with the District Water Division, staff prepared and transmitted travel demand forecasting model inputs and outputs. Staff also responded to data requests from the District Department of Energy and Department of Transportation: a data request for MOBILE6.2 inputs needed as part of an Environmental Impact Statement (EIS) related to a project on 318 I Street NE; a data request for emissions reductions for the District of Columbia's FY10 CMAQ projects.

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 completed the initial factoring of the processing of the CY 2010 7-day classification counts and 3-day volume counts to Annual Average Daily Traffic Volumes (AADT).

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.

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 began preparation of the Technical report for this project.

B. MARYLAND

1. Program Development /Management

Work finalized the budgets for FY2012 UPWP by estimating the carryover amounts and consolidating them with the FY2012 UPWP estimates. During March, staff continued coordination with the MDOT and FHWA Eastern Federal Lands Highway Division on finalizing the cost-sharing agreement among the participating agencies for the technical work associated with the Baltimore Washington Parkway widening study.

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

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

Staff created draft 2005 and 2040 forecast networks and added greater level of detail to the 2005 network by reviewing and updating the number of lanes on the highway and nearby roadways, location of interchanges, facility classifications and locations of centroid connectors. The corresponding changes were also made to the 2040 networks. Staff met with FHWA/EFLHD for project coordination. The findings of the model validation were summarized in a technical memorandum.

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 summarized the findings of the tests conducted and the analysis undertaken with respect to the BCA.NET model in a technical memorandum. Upon encountering multiple setbacks in the model execution stemming from inadequate technical support and exorbitant input data needs, it was concluded that no further research on this economic model would be justified at present time or until there is reliable technical support by FHWA. A coordination meeting with MD SHA to discuss the research findings and the conclusions reached has been scheduled for the end of April.

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 March. 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

In response to a data request by a consultant working with the analysis of the I-66/US 29 corridor, staff prepared and transmitted travel demand forecasting model inputs and outputs.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

Staff completed processing of travel times runs and traffic and traffic and occupancy counts collected on VDOT HOV facilities in the fall of 2010.

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

No work activity during the reporting period.

5. Data Mine State of the Commute Survey

Staff began tabulation of 2007/2008 Household Travel Survey data in response to table specifications provided by VDOT for this project.

6. Northern Virginia Bicycle/Pedestrian Count Program

Staff met with the VDOT project manager for this project to review the work scope and other requirements for this project.

7. TransAction 2040 Plan Support

No work activity during the reporting period.

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

In support of the I-95/I395 HOT lanes 2010 CLRP amendment staff prepared the networks and executed travel demand modeling runs for the 2020 analysis year. Staff also prepared difference plots, trip table summaries, regional tracking sheets and other tools utilized for quality assurance. The draft data will be transmitted for air quality modeling when the review is completed.

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.

Contractor held initial on-site meetings with WMATA staff and with TPB staff in support of data collection efforts on commuting patterns both current and predicted for 2040. This data will be used to develop forecasts of demand and the cost-benefit analysis for alternative modes of access to Metrorail stations, both generally and for five case study stations.

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)

Staff updated estimates of local air passenger originations by

transportation analysis zones from the 2009 Air Passenger Survey to a 2010 base year, developed forecasts of local air passenger originations for the region's three commercial airports using FAA Terminal Area Forecasts for the 2010 to 2030 time period, and extrapolated these forecasts for the 2030 to 2040 time period using HIS Global Insight national economic growth projections.

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.

Staff completed the development of the database structure and the computer programs that will be used to process the airport ground access travel time data collected in the field. Staff also updated the functional class and design category for each street segment of the travel routes to the airports. Temporary field staff were hired and trained to conduct the travel time runs. The collection of airport ground access time travel data began on March 22nd.

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 March 31, 2011

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	62,384.35	88%
B. Transportation Improvement Program (TIP)	240,600.00	135,212.03	56%
C. Constrained Long-Range Plan	588,400.00	465,906.41	79%
D. Financial Plan	64,000.00	64,102.81	100%
E. Public Participation	371,900.00	326,887.73	88%
F. Private Enterprise Participation	18,300.00	6,693.00	37%
G. Annual Report	80,100.00	22,496.30	28%
H. Transportation / Land Use Connection Program	395,000.00	172,262.56	44%
I. DTP Management	452,100.00	288,998.37	64%
SUBTOTAL	2,281,100.00	1,544,943.55	68%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	205,000.00	108,089.09	53%
B. Management, Operations & ITS Planning	340,300.00	179,454.34	53%
C. Emergency Preparedness Planning	75,400.00	46,952.09	62%
D. Transportation Safety Planning	125,000.00	43,831.75	35%
E. Bicycle and Pedestrian Program	108,700.00	92,599.02	85%
F. Regional Bus Planning	100,000.00	76,196.98	76%
G. Human Service Transportation Coordination Planning	174,800.00	82,453.12	47%
H. Freight Planning	150,000.00	96,562.62	64%
I. MATCO Program Planning & Support	150,000.00	82,619.03	55%
SUBTOTAL	1,429,200.00	808,758.02	57%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	436,213.00	77%
B. Mobile Emissions Analysis	640,100.00	545,333.12	85%
C. Regional Studies	766,150.00	409,804.40	53%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	401,292.52	55%
SUBTOTAL	2,696,250.00	1,792,643.04	66%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	620,668.64	81%
B. GIS Technical Support	548,800.00	355,214.16	65%
C. Models Development	971,200.00	611,123.55	63%
D. Software Support	178,900.00	97,955.23	55%
SUBTOTAL	2,468,600.00	1,684,961.57	68%

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

FY-TO-DATE March 31, 2011

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
5. TRAVEL MONITORING			
A. Cordon Counts	250,800.00	107,350.46	43%
B. Congestion Monitoring and Analysis	475,000.00	249,885.16	53%
C. Travel Survey and Analysis Household Travel Survey	276,300.00	109,311.95	40%
D. Regional Transportation Clearinghouse	368,100.00	243,111.48	66%
 SUBTOTAL	1,370,200.00	709,659.06	52%
SUBTOTAL CORE PROGRAM ITEMS 1-5	10,245,350.00	6,540,965.24	64%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	380,050.00	200,950.68	53%
B. Maryland	466,000.00	302,476.16	65%
C. Virginia	518,000.00	207,124.96	40%
D. WMATA	109,500.00	21,706.18	20%
 SUBTOTAL	1,473,550.00	732,257.98	
TPB GRAND TOTAL	11,718,900.00	7,273,223.22	62%

**FY 2011 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE**

FY-TO-DATE March 31, 2011
SUPPLEMENT 1

	COST CODES	TOTAL AUTHORIZED		TOTAL EXPENDITURES	FTA/STAL/LOC AUTHORIZED		TOTAL EXPENDITURES	PL FUNDS/LOC AUTHORIZED	
		BUDGET	BUDGET		BUDGET	BUDGET		BUDGET	BUDGET
A. District of Columbia									
1. Program Development, Data Requests & Misc. Services	040	10,050	9,621.95	9,621.95	905	865.97	865.97	9,146	8,755.98
2. DDOT Traffic Counts	041	200,000	100,210.41	100,210.41	18,000	9,018.93	9,018.93	182,000	91,191.48
3. Bicycle Counts	042	60,000	11,903.47	11,903.47	5,400	1,071.31	1,071.31	54,600	10,832.17
4. Curbside Data Collection	043	60,000	61,186.60	61,186.60	5,400	5,506.76	5,506.76	54,600	55,679.83
5. Truck and Bus Restriction	044								
6. 2009 Automobile Travel Time Survey	045	30,000	16,281.78	16,281.78	2,700	1,465.35	1,465.35	27,300	14,816.43
7. WMATA Workgroup DC	046	20,000	1,746.48	1,746.48	1,800	157.18	157.18	18,200	1,589.29
SUBTOTAL		380,050	200,950.68	200,950.68	34,205	18,085.50	18,085.50	345,847	182,865.18
B. Maryland									
1. Program Development/Management	060	25,000	12,348.81	12,348.81	2,250	1,111.39	1,111.39	22,750	11,237.42
2. Miscellaneous Services	061	6,000	9,580.47	9,580.47	540	862.38	862.38	5,459	8,718.09
3. MDT Training /Technical Support	062	10,000	7,125.33	7,125.33	900	641.28	641.28	9,100	6,484.05
4. SHA-Western Mobility/Capital Beltway Studies	063	75,000	87,715.76	87,715.76	6,750	7,894.37	7,894.37	68,250	79,821.38
5. MTA- Corridor Cities Transit way / Purple Line Transit	064	20,000	1,562.61	1,562.61	1,800	140.63	140.63	18,200	1,421.97
6. Project Planning / Feasibility Studies	065	130,000	80,586.78	80,586.78	11,700	7,252.82	7,252.82	118,300	73,333.95
7. Traffic Impacts	066								
8. Project Evaluation	067								
9. Monitoring Studies	068								
10. Statewide Travel Demand Model	069	5,000	3,102.96	3,102.96	450	279.27	279.27	4,550	2,823.70
11. Development/Refinement of Technical Methods	070	75,000	41,781.25	41,781.25	6,750	3,760.29	3,760.29	68,250	38,020.96
12. Transportation /Land Use	071	100,000	56,375.00	56,375.00	9,000	5,073.77	5,073.77	91,000	51,301.23
13. WMATA Workgroup VA	072	20,000	0.00	0.00	1,800	0.00	0.00	18,200	0.00
SUBTOTAL		466,000	300,178.96	300,178.96	41,940	27,016.20	27,016.20	424,060	273,162.76
C. Virginia									
1. Program Development	080	15,000	1,392.30	1,392.30	1,350	125.31	125.31	13,650	1,266.99
2. Miscellaneous Services	081	13,000	9,831.19	9,831.19	1,170	884.80	884.80	11,830	8,946.39
3. NVA. HOV Facilities Monitoring & Data Collection	082	275,000	164,010.90	164,010.90	24,750	14,761.00	14,761.00	250,250	149,249.90
4. Travel Forecast Model ("B-node model") Support	083								
5. Data Mine State of the Commute Survey	084	50,000	7,383.63	7,383.63	4,500	664.52	664.52	45,500	6,719.11
6. Nova Bike/Pedestrian Count Program	085	60,000	980.44	980.44	5,400	88.24	88.24	54,600	892.20
7. TransAction 2040 Plan Support	086	20,000	592.20	592.20	1,800	53.30	53.30	18,200	538.90
8. High Occupancy /Toll (HOT) Lane Traffic Analyses	087	65,000	22,934.29	22,934.29	5,850	2,064.07	2,064.07	59,150	20,870.22
9. Travel Forecast Model Refinements	088								
10. Internal NoVa Planning Database	089								
11. Other Tasks Yet to defined	090								
12. WMATA Workgroup VA	091	20,000	0.00	0.00	1,800	0.00	0.00	18,200	0.00
SUBTOTAL		518,000	207,124.96	207,124.96	46,620	18,641.25	18,641.25	471,380	188,483.71
D. WMATA									
1. Program Development	100	10,000	8,992.59	8,992.59	10,000	8,992.59	8,992.59		
2. Miscellaneous Services	101	7,600	3,097.41	3,097.41	7,600	3,097.41	3,097.41		
3. A Study of the Development Impacts of Metrorail	102	91,900	9,616.18	9,616.18	91,900	9,616.18	9,616.18		
SUBTOTAL		109,500	21,706.18	21,706.18	109,500	21,706.18	21,706.18		
GRAND TOTAL		1,473,550	729,960.78	729,960.78	232,265	85,449.13	85,449.13	1,241,286	644,511.65