

FY 2011

NATIONAL CAPITAL REGION

TRANSPORTATION PLANNING BOARD (TPB)

Work Program Progress Report

APRIL 2011

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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PROGRAM HIGHLIGHTS

1. PLAN SUPPORT

A. Unified Planning Work Program (UPWP)

In April, the FY2012 UPWP was submitted to FHWA and FTA for their review and approval. Work continued on monitoring the FY 2011 UPWP which began on July 1, 2010.

TPB Staff reviewed the draft report on the FHWA and FTA certification review of the transportation planning process for the Washington TMA which was conducted on April 19-20 and April 29, 2010. Federal staff responded to staff comments on the draft report. FTA staff will present the final draft to the Technical Committee and TPB in May.

B. Transportation Improvement Program (TIP)

On April 4, the TPB Steering Committee approved one amendment to the FY 2011-2016 TIP, requested by the Maryland Department of Transportation, to fund the MD 170/MD 351 road improvement project, and to break out three individual bridge projects from the Bridge Replacement and Rehabilitation category.

At its meeting on April 20, the TPB approved an amendment to the FY 2011-2016 TIP to include funding from WMATA's FY 2012 Capital Improvement Program. This amendment also consolidated 37 individual project listings into 15 grouped projects.

TPB staff processed a package of 22 administrative modifications to projects in the TIP, as requested by the District Department of Transportation.

C. Constrained Long-Range Plan (CLRP)

As part of the 2010 CLRP amendment necessitated by the change of scope of the I-95 corridor HOT lanes project, staff completed an analysis of projected revenues to be generated by the modified project. The revenue analyses were part of the overall effort to revise the financial plan for this project.

During the month of April, staff developed additional plans for performance measures for the CLRP based on goals identified in the TPB Vision and in COG's Region Forward. These measures were presented to the TPB Technical Committee on April 4 and to the TPB Priorities Plan Scoping Task Force at its meeting on April 20.

Staff continued to develop 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, the Freight Plan, and the performance measures described above.

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 CAC met on April 14 and spent the majority of the meeting discussing the scope for the Regional Transportation Priorities Plan and WMATA governance issues.

Staff conceptualized public involvement components for the TPB Priorities Plan, which whose development will begin in FY2012. Among other things, staff will develop a website that will feature vignettes on regional transportation planning. This website will provide insight on how transportation decisions are made in the region.

During the month of April, staff prepared for the April 28 Access for All Advisory Committee meeting. Staff invited and confirmed presenters from WMATA to discuss MetroAccess and the Regional Transit System Plan. DTP staff members provided an overview of the proposed significant changes to the CLRP and on the status of Job Access Reverse Commute (JARC) and New Freedom projects.

F. Private Enterprise Participation

Planning continued for the annual public transit forum to be held on May 24.

G. Annual Report

The April TPB News was produced and distributed. Text was finalized 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).

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. Staff provided feedback on those abstracts by April 18.

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 gave a presentation on planning for greenhouse gas reductions at the Annual Meeting of the American Planning Association in Boston.
- The DTP Director gave a presentation on transportation reauthorization issues at the annual meeting of the National Conference of State Legislatures.
- The DTP Director participated in a one-day meeting on infrastructure research needs at the Urban Institute.

2. COORDINATION PLANNING

A. Congestion Management Process (CMP)

Staff continued work on the dashboard-like, quarterly-updated regional congestion report, including:

- Reviewed and revised the preliminary performance measures developed last month and provided several measures to the TPB Priorities Plan Scoping Task Force.
- Validated every freeway segment, called TMC or Traffic Message Channel, in the region and added additional attributes (e.g., number of lanes) to each of the TMCs. As a result, congestion can now be calculated at the lane-mile level from the INRIX data as opposed to previously only at the mile level.
- Associating each TMC with appropriate Station(s) that provides vehicle volume information under the FHWA Transportation Technology Innovation and Demonstration (TTID) Program. This effort could lead to performance measures at per vehicle or per person level.
- Downloaded and processed the TTID program 2010 hourly data, which will be merged to the TMC network once the TMC-Station association is completed.
- Staff extracted and manipulated the INRIX data to the required format and delivered to the DTP Data Clearinghouse work team.

On April 14, staff monitored 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) Technical Subcommittee met on April 12, 2011, for a session devoted in its entirety to the Regional Integrated Transportation Information System (RITIS). RITIS, which was a cornerstone project in the 2010 MOITS Strategic Plan, is a system that compiles, reformats, and distributes real-time transportation systems data among many of the region's transportation agencies, and is a critical element of the Metropolitan Area Transportation Operations Coordination (MATOC) Program. Following a technical presentation by staff of the University of Maryland Center for Advanced Transportation Technology, the Subcommittee discussed existing RITIS activities as well as committed future activities and proposals (unfunded) for future activities.
- Staff continued follow-up activities regarding the disruptive January 26, 2011 winter storm, and provided advice in preparation for an April 28 meeting of the COG Steering Committee on Incident Management and Response, as well as for an associated Action Plan.
- 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 continued for the Baltimore-Washington Regional Traffic Signals Forum to be held May 25 in Linthicum, Maryland.
- On April 6, staff participated in an interview by the Government Accountability Office on Intelligent Transportation Systems.
- On April 13, staff participated in an interview by consultants to the Federal Highway Administration (FHWA) on the impact of FHWA outreach on "Planning for Operations".

C. Transportation Emergency Preparedness Planning

The Regional Emergency Support Function-1 – Transportation (RESF-1 – Transportation) Committee provides an interface between transportation and

emergency management agencies and is staffed by a Public Safety Planner from COG's Department of Public Safety and Health. The RESF-1 committee met as scheduled on April 15th 2011. During the April 15th meeting RESF-1 took time to make comment and discuss the update to the RESF-1 chapter of the Regional Emergency Coordination Plan (RECP). Staff later combined the committee's comments and submitted the final to the Emergency Managers Committee planning lead for the RESF-1 chapter. RESF-1 received a briefing from Staff as well as from the three project leads of the RESF-1 sponsored projects on the status of the FY2011 UASI process and sponsored projects. Finally, the RESF-1 committee received a one month update on MATOC assisting in regional alerting via the Regional Incident Communication and Coordination System (RICCS). Following this discussion, the meeting concluded with a roundtable of upcoming training and events.

RESF-1 and RESF-1's staff support will continue to be engaged in the regional Incident Management and Response activities. The ad hoc committee, created by the COG Board, will be guiding this process.

D. Transportation Safety Planning

Staff requested and began compiling 2010 information from the DOT's on deaths, injuries, and crashes related to the other safety emphasis areas in the Constrained Long Range Plan as input to future regional plans.

Work continued with the University of Maryland in preparation for a scoping study on a transportation safety data mining tool.

Staff prepared tables and charts on pedestrian, bicycle and motorized safety and briefed the Commuter Connections Employee Transportation Coordinator's meeting on April 26.

The new transportation safety planning staff person undertook extensive background research to come up to speed on regional planning activities in this area, with the assistance and advice of senior staff.

Staff began preparations for a meeting of the Transportation Safety Subcommittee, to be held in late June.

E. Bicycle and Pedestrian Planning

Staff assisted WMATA in gathering input from local jurisdiction staffs on potential local projects designed to improve pedestrian and bicycle access to Metrorail and Metrobus. Staff answered related questions from local staff. WMATA will look at incorporating identified projects into its Capital Improvement Program.

Staff continued working with local staff to update projects in the database of bicycle and pedestrian projects.

Staff undertook follow-up activities from the March 15 bicycle and pedestrian subcommittee meeting, and began preparations for the next subcommittee meeting scheduled for May 17.

With Kristin Haldeman of WMATA, staff briefed the Regional Bus Subcommittee on April 26 on the topic of Bus and Bike safety. Bus Safety Subcommittee members agreed to use the existing WMATA training materials to educate drivers on how to interact with bicyclists. The Subcommittee reviewed available education materials and discussed possible low-cost means to distribute a training video to bicyclists.

Staff began working with the consultant supporting the Street Smart pedestrian and bicycle safety outreach campaign on a post-campaign analysis of the press event and other outreach activities during the spring 2011 campaign. Staff also prepared a memo on pedestrian safety which was distributed to members of the press.

For the upcoming FY 2012 Street Smart campaign, staff prepared and sent letters to the TPB member agencies requesting supporting funds. Staff also attended a related training workshop on grants administration at the Maryland SHA on April 14, and subsequently prepared a grant application to be submitted to the Maryland SHA.

On April 26, staff briefed the Commuter Connections Subcommittee's Employee Transportation Coordinators committee on Street Smart and the bicycle commuting benefit.

F. Regional Bus Planning

The chair of the Regional Bus Subcommittee presented a list of regional priorities for bus services to the meeting of the TPB Technical Committee in April, in preparation for presentation to the TPB in May. Participants at the monthly subcommittee meeting discussed the interaction between bicycles and buses, reviewing general bicycle safety programs in which COG is involved. In long-range planning efforts, preparation of an updated Aspirations scenario continues, which is being updated to the new travel model in preparation for scenario analysis.

G. Human Service Transportation Coordination

During the month of April, work continued on the evaluation of TPB's Job Access Reverse Commute (JARC) and New Freedom program and projects. Staff collected additional sub grant information and provided the data to the consultant for review.

Staff also reviewed four applications submitted to the Maryland Transit Administration for 5310 funding for their consistency with the TPB Coordinated Human Service Transportation Plan. Staff prepared a memo describing the consistency of the applications with the Coordinated Plan and submitted it to MTA.

H. Freight Planning

- After several months of coordination and logistics, the April 27, 2011 Regional Freight Forum was a success. Several high-profile speakers from various sectors of transportation made presentations. The event received positive press in the local *Washington Examiner* and the *Northern Virginia Transportation Alliance* blog.
- Staff prepared a news article for the Region Forward Blog titled *Freight Transportation Gets the Attention it Deserves* on April 11, 2011.
- The April 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 April 2011, under the guidance of staff, the contractor prepared for and participated in the MATOC Operations Subcommittee and Information Systems Subcommittee meetings on April 14, and the MATOC Steering Committee meeting on April 11. The contractor also prepared technical and administrative materials in support of MATOC's overall activities throughout the month. Included was continued development of reports and proposals to follow up on the January 26 storm.

Throughout the month, staff worked with representatives of the District and Virginia Departments of Transportation and the University of Maryland on DDOT and VDOT processes for providing funding support for the MATOC Program.

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

3. **FORCASTING APPLICATIONS**

A. Air Quality Conformity

2011 CLRP & FY2012-2017 TIP: Staff began to develop the highway and transit networks by reviewing the 3722 TAZ network database used for the calibration/validation of the Version 2.3 model. Staff created input files for each

forecast year such as 2002, 2016, 2020, 2030 and 2040 since a new zonal system and a new travel demand model are being used for Air Quality Conformity analysis. Staff began production of a 2002 land activity file for the 3722 TAZ system.

Staff responded to data requests from VDOT, MDOT, and DDOT related to the regional significance of various projects and coordinated interagency consultations by disseminating the meeting agenda and a summary memorandum regarding the April TPB meeting to the consultation agencies and public advisory committees. Staff also engaged in the following activities:

- Coordination on the schedule for developing emissions inventories for the upcoming PM2.5 redesignation request and maintenance plan.
- Coordination on I/M programs input data for the development of emissions inventories for the 2011 CLRP for years 2002, 2016, 2020, 2030 and 2040.
- Coordination on the Version 2.3 model development schedule and its impacts on the 2011 CLRP Air Quality Conformity analyses.
- Coordination with MARAMA MOVES modeling activities as part of the photochemical modeling exercise for the new ozone and fine particle standards.
- Participation in TPB and TPB-Technical Advisory Committee meetings.

B. Mobile Emissions Analysis

Staff responded to two data requests. For Fairfax County staff extracted hybrid vehicle information data from the 2008 vehicle registration database. For Prince William County staff estimated greenhouse gas emissions. Staff is in the process of revising the emissions estimates of the greenhouse gas reduction strategies listed in the "What Would it Take" report using CO2 emissions rates. Staff also prepared PowerPoint presentations on the TIGER grant application for the Priorities Plan Scoping Task Force and the Status of the Federal Budget and Reauthorization.

C. Regional Studies

Regional Transportation Priorities Plan (RTPP): Staff developed a draft scope of work for the development of the Regional Transportation Priorities Plan. The purpose of the Priorities Plan will be to identify those transportation strategies that could be recognized throughout the region as offering the greatest potential contributions to addressing continuing regional challenges, and to provide support for efforts to incorporate those strategies into future updates of the CLRP in the form of specific programs and projects. The development of this plan will commence in July 2011 and is expected to last approximately two years. The draft was presented at the final meeting of the TPB Priorities Plan Scoping Task Force on April 20. Based on input from that meeting, the draft was revised so that it could be presented to the TPB as an information item in May. TPB approval of the scope is scheduled for June.

Staff also began preparing for potential federal grant opportunities that may emerge in the coming months, including the next round of TIGER funding.

Also in April, DTP staff assisted COG staff in planning meetings in May and June to launch the Region Forward Coalition. The team planned three orientation meetings for the coalition in May and scheduled a kickoff meeting for June 10.

CLRP Aspirations Scenario: Staff completed the development of model inputs, reviewed the networks for quality control, recoded certain freeway and arterial links (as needed) and conducted sensitivity runs to evaluate the impacts of the coding changes.

Implementation Guideline for Prioritizing Bus Transit: Contractor completed a final set of edits to the guidelines document. A draft presentation was prepared and reviewed by TPB staff in preparation for a May presentation 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 in relation to the COG Region Forward Initiative.

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 continued preparation of updated TAZ-level land activity forecasts for the 2011 Constrained Long Range Plan Air Quality Conformity Analysis. These TAZ-level forecasts will be for the new TPB 3722-TAZ system.

4. **DEVELOPMENT OF NETWORK / MODELS**

A. Network Development

TPB staff implemented modifications to the 3,722 TAZ-based highway and transit networks in support of the ongoing Version 2.3 model validation effort. Issues identified in the model validation frequently indicate a need to revisit network coding. Staff specifically worked on adding ground counts to the base year network and correcting screenline coding errors, and refining jurisdiction codes on highway links.

Staff continued its work on preparing base year (2011) highway and transit networks on the 3,722 TAZ system which will be used with the Version 2.3 travel model in the upcoming air quality conformity determination. Transit route delineations, running time, and frequencies are being checked against the most recent schedules using Google General Transit Feed Specification (GTFS) data as well as local transit operations data obtained from the web. Work has begun on the development of forecast year networks on the new TAZ system as well as 2002 set of highway and transit networks which will be needed for conformity work.

B. GIS Technical Support.

Staff continued to monitor the operational performance of the ArcGIS server.

Staff scheduled the upgrade of the few remaining of GIS workstations not already upgraded to ArcGIS version 9.3.1. Staff finalized customized metadata style sheets for DTP spatial data sets.

Staff prepared a user guide for the GIS Metadata Editor.

Staff prepared materials and made arrangements for a DTP GIS Users group meeting to be held in May.

Staff began delineation of transportation analysis zones (TAZs) and transportation analysis districts (TADs) for the Census Transportation Planning Product.

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

C. Models Development

Staff apprised the TPB Technical Committee of progress made in the Version 2.3 model development on April 1. Several refinements were implemented during April: model parameters were fine tuned to achieve improved model performance by time of day, network inputs and application scripts were modified to address errors detected, distributed processing (the ability to run the model across multiple computer processors) was implemented into the model application process, and the model was applied to a forecast year (2040) and evaluated. A special TFS meeting was held on April 29 during which staff reviewed the progress made and announced that requests of the draft model would be serviced during the first week of May. Staff updated the calibration report and user's guide that was initially distributed in February to reflect the above mentioned changes. The model is still subject to ongoing modification pending the results of sensitivity testing to be overseen by the TFS.

TPB staff had a conference call with Cambridge Systematics, Inc. to monitor task order work that is in progress. CS is assisting TPB with keeping abreast

with best modeling practices across the U.S. TPB staff has arranged to meet with CS in May to discuss their preliminary findings on three task orders and to determine what information will be shared with the TFS at the upcoming May meeting.

D. Software Support

Staff provided technical support on Distributive Processing (DP) for the Version 2.3 model by running the 2007 model. Staff continued work on resolving computer issues stemming from a Windows 7 upgrade and the performance of the travel demand servers in coordination with IT staff. Staff also worked towards making the COG TMS2 server compatible with the upcoming Version 2.3 travel demand model execution requirements. Upon appropriate software upgrades, staff executed a test model run and replicated the results produced on another server. Subsequently staff began to execute sensitivity model runs to test the Version 2.3 model convergence resulting in additional updates to the Version 2/3 model.

5. TRAVEL MONITORING

A. Cordon Counts

Staff began preparation of the draft technical report for the spring 2010 Regional HOV monitoring effort.

B. Congestion Monitoring and Analysis

Field data collection was completed including makeup runs. Breakup of the individual tours into GIS shape files was completed as analysis of individual tours is continuing along with editing of the narrative sections of the report. After obtaining a waiver from TSA the vendor contracted to conduct the aerial surveys has begun the data collection.

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 2011-2012 Household Travel Survey that is to be conducted in 12 geographically-focused subareas of the region in the fall of 2011 and spring of 2012.

D. Regional Transportation Data Clearinghouse

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

Staff completed the update of 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 completed 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 continued 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

No work activity during the reporting period.

2. FY10 DDOT Traffic Counts

Staff continued the reformatting of the CY2010 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

Staff began the project planning and scheduling of work tasks for the 2011 DDOT bicycle counts.

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

This DC technical assistance project was deleted from the FY 2011 UPWP in March, 2011.

6. 2009 Automobile Travel Time Survey – Phase II

Staff continued preparation of the technical report for this project.

B. MARYLAND

1. Program Development /Management

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. SHA Western Mobility / Capitol Beltway 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

Baltimore-Washington Parkway Feasibility Study: Staff attended a project coordination meeting where the base year model validation results were presented. Subsequently staff compiled and transmitted the base year model validation files and land use forecasts to the FHWA-EFLHD and its consultants. Staff completed network coding for the 2040 No Build network, executed travel demand modeling and began summarizing and documenting the results.

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. The April coordination meeting was cancelled due to schedule conflicts and the BCA.NET analyses results were transmitted to MD SHA instead of being presented.

12. Transportation Land Use Connection (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).

For FY2012, staff determined that applications for TLC technical assistance will have the opportunity to submit abstracts of potential projects in advance. Nine abstracts were received by March 31. Staff Provided feedback on those abstracts by April 18.

C. VIRGINIA

1. Program Development

Staff viewed all existing tasks under this program and began review with VDOT staff of proposed tasks for FY2012.

2. Miscellaneous Services

No work activity during the reporting period.

3. Northern Virginia HOV Facilities Monitoring and Data Collection

No work activity during the reporting period.

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 continued tabulation of the requested tables for this project.

6. Northern Virginia Bicycle/Pedestrian Count Program

Staff continued conversations with the VDOT project manager regarding count specification and locations for this project and began to prepare a work scope.

7. TransAction 2040 Plan Support

No work activity during the reporting period.

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

Staff completed travel demand model runs for the 2030 and 2040 forecast years, prepared summary statistics and reviewed results for reasonableness using the 2191 TAZ networks and the Version 2.2 travel demand model. Staff also completed emissions inventories for years 2020, 2030 and 2040. This included development of estimates of ozone season VOC and NO_x, annual PM_{2.5} and precursor NO_x pollutants using the MOBILE 6.2 emissions model. Staff began report preparation.

9. Travel Forecast Model Refinements

No work activity during the reporting period.

10. Internal NoVA Planning Database

This VA technical assistance project was deleted from the FY 2011 UPWP in March, 2011.

11. Other tasks yet to be defined

This VA technical assistance project was deleted from the FY 2011 UPWP in March, 2011

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

Contractor has completed data collection from WMATA and is progressing in the collection of data from relevant jurisdictions for the five case study stations being evaluated. Telephone interviews were conducted with seven transit agencies from across the country as part of the peer review; lessons learned and best practices will be summarized in a report. A stakeholder meeting has been tentatively scheduled for mid-July at which WMATA and jurisdictional staff will present the initial reports to be completed in June.

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

Staff completed the forecast updates and began preparing the draft report document.

D. Ground Access Travel Time Study

Data collection and processing of travel time data for this study continued during the report period.

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 April 30, 2011

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
1. PLAN SUPPORT			
A. Unified Planning Work Program (UPWP)	70,700.00	68,381.65	97%
B. Transportation Improvement Program (TIP)	240,600.00	158,796.37	66%
C. Constrained Long-Range Plan	588,400.00	493,735.70	84%
D. Financial Plan	64,000.00	64,102.81	100%
E. Public Participation	371,900.00	358,892.31	97%
F. Private Enterprise Participation	18,300.00	9,170.97	50%
G. Annual Report	80,100.00	27,029.71	34%
H. Transportation / Land Use Connection Program	395,000.00	223,425.16	57%
I. DTP Management	452,100.00	311,053.34	69%
SUBTOTAL	2,281,100.00	1,714,588.00	75%
2. COORDINATION PLANNING			
A. Congestion Management Process (CMP)	205,000.00	122,465.83	60%
B. Management, Operations & ITS Planning	340,300.00	197,598.71	58%
C. Emergency Preparedness Planning	75,400.00	52,543.66	70%
D. Transportation Safety Planning	125,000.00	64,494.41	52%
E. Bicycle and Pedestrian Program	108,700.00	93,439.57	86%
F. Regional Bus Planning	100,000.00	81,027.02	81%
G. Human Service Transportation Coordination Planning	174,800.00	96,815.50	55%
H. Freight Planning	150,000.00	108,406.90	72%
I. MATCO Program Planning & Support	150,000.00	97,487.79	65%
SUBTOTAL	1,429,200.00	914,279.38	64%
3. FORECASTING APPLICATIONS			
A. Air Quality Conformity	563,200.00	447,882.63	80%
B. Mobile Emissions Analysis	640,100.00	555,394.96	87%
C. Regional Studies	766,150.00	450,367.01	59%
D. Coord. Cooperative Forecasting & Trans Planning	726,800.00	465,720.42	64%
SUBTOTAL	2,696,250.00	1,919,365.03	71%
4. DEVELOPMENT OF NETWORKS AND MODELS			
A. Networks Development	769,700.00	677,089.73	88%
B. GIS Technical Support	548,800.00	400,158.63	73%
C. Models Development	971,200.00	689,132.84	71%
D. Software Support	178,900.00	118,724.80	66%
SUBTOTAL	2,468,600.00	1,885,106.00	76%

FY 2011 TRANSPORTATION PLANNING BOARD
 FINANCIAL STATUS OF TECHNICAL ASSISTANCE

5/24/2011

FY-TO-DATE April 30, 2011
 SUPPLEMENT 1

	COST CODES	TOTAL		TOTAL		FTA/STAI/LOC		PL FUNDS/LOC	
		BUDGET	AUTHORIZED	EXPENDITURES	AUTHORIZED	BUDGET	EXPENDITURES	BUDGET	EXPENDITURES
A. District of Columbia									
1. Program Development, Data Requests & Misc. Services	040	10,050		9,621.95	905		865.97	9,146	8,755.98
2. DDOT Traffic Counts	041	200,000		102,191.66	18,000		9,197.24	182,000	92,994.42
3. Bicycle Counts	042	60,000		12,975.17	5,400		1,167.76	54,600	11,807.41
4. Curbside Data Collection	043	60,000		61,539.64	5,400		5,538.54	54,600	56,001.10
5. Truck and Bus Restriction	044								
6. 2009 Automobile Travel Time Survey	045	30,000		21,900.99	2,700		1,971.08	27,300	19,929.91
7. WMATA Workgroup DC	046	20,000		1,746.48	1,800		157.18	18,200	1,589.29
SUBTOTAL		380,050		209,975.88	34,205		18,897.77	345,847	191,078.11
B. Maryland									
1. Program Development/Management	060	25,000		15,584.39	2,250		1,402.59	22,750	14,181.80
2. Miscellaneous Services	061	5,999		16,133.78	540		1,452.27	5,459	14,681.51
3. MDOT Training /Technical Support	062	10,000		7,125.33	900		641.28	9,100	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	20,000		1,562.61	1,800		140.63	18,200	1,421.97
6. Project Planning / Feasibility Studies	065	130,000		86,622.89	11,700		7,796.08	118,300	78,826.81
7. Traffic Impacts	066								
8. Project Evaluation	067								
9. Monitoring Studies	068								
10. Statewide Travel Demand Model	069	5,000		3,102.96	450		279.27	4,550	2,823.70
11. Development/Refinement of Technical Methods	070	75,000		49,637.95	6,750		3,864.60	68,250	42,266.72
12. Transportation /Land Use	071	100,000		88,293.95	9,000		7,946.49	91,000	80,347.46
13. WMATA Workgroup VA	072	20,000		9,906.12	1,800		891.55	18,200	9,014.57
SUBTOTAL		466,000		362,179.10	41,940		32,309.12	424,060	329,869.98
C. Virginia									
1. Program Development	080	15,000		1,392.30	1,350		125.31	13,650	1,266.99
2. Miscellaneous Services	081	13,000		9,831.19	1,170		884.80	11,830	8,946.39
3. NVA. HOV Facilities Monitoring & Data Collection	082	275,000		164,009.76	24,750		14,760.90	250,250	149,248.86
4. Travel Forecast Model ("B-node model") Support	083								
5. Data Mine State of the Commute Survey	084	50,000		7,561.56	4,500		680.54	45,500	6,881.03
6. Nova Bike/Pedestrian Count Program	085	60,000		980.44	5,400		88.24	54,600	892.20
7. TraqnsAction 2040 Plan Support	086	20,000		874.31	1,800		78.69	18,200	795.63
8. High Occupancy /Toll (HOT) Lane Traffic Analyses	087	65,000		61,877.45	5,850		5,568.94	59,150	56,308.51
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		1,964.80	1,800		176.83	18,200	1,787.97
SUBTOTAL		518,000		248,491.81	46,620		22,364.24	471,379	226,127.57
D. WMATA									
1. Program Development	100	10,000		9,925.09	10,000		9,925.09		
2. Miscellaneous Services	101	7,600		3,097.41	7,600		3,097.41		
3. A Study of the Development Impacts of Metrorail	102	91,900		9,616.15	91,900		9,616.15		
SUBTOTAL		109,500		22,638.65	109,500		22,638.65		
GRAND TOTAL		1,473,547		843,285.44	232,265		96,209.78	1,241,285	747,075.66

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

FY-TO-DATE April 30, 2011

	BUDGET TOTAL	FUNDS EXPENDED	% FUNDS EXPENDED
5. TRAVEL MONITORING			
A. Cordon Counts	250,800.00	146,217.79	58%
B. Congestion Monitoring and Analysis	475,000.00	294,954.05	62%
C. Travel Survey and Analysis			
Household Travel Survey	276,300.00	124,444.44	45%
D. Regional Transportation Clearinghouse	368,100.00	268,497.90	73%
SUBTOTAL	1,370,200.00	834,114.17	61%
SUBTOTAL CORE PROGRAM ITEMS 1-5	10,245,350.00	7,267,452.59	71%
6. TECHNICAL ASSISTANCE			
A. District of Columbia	380,050.00	211,722.35	56%
B. Maryland	466,000.00	362,494.64	78%
C. Virginia	518,000.00	246,527.02	48%
D. WMATA	109,500.00	22,638.68	21%
SUBTOTAL	1,473,550.00	843,382.69	
TPB GRAND TOTAL	11,718,900.00	8,110,835.29	69%