

**TPB SR4-2008  
November 2, 2007**

**NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD  
777 North Capitol Street, N.E.  
Washington, D.C. 20002**

**AN AMENDMENT TO THE FY 2008 UNIFIED PLANNING WORK PROGRAM (UPWP)  
TO CONDUCT A REGIONAL BUS PASSENGER SURVEY**

**WHEREAS**, the Joint Planning Regulations issued by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) require a Unified Planning Work Program for Transportation Planning (UPWP); and

**WHEREAS**, the UPWP is required as a basis and condition for all funding assistance for transportation planning to state, local, and regional agencies by the FHWA and FTA; and

**WHEREAS**, the FY 2008 UPWP for the Washington Metropolitan Area was adopted by the TPB on March 21, 2007; and

**WHEREAS**, in September 2007, the Regional Bus Subcommittee asked the TPB Technical Committee to identify potential funding for a supplemental on-board survey of riders on local and county agency buses that would complement WMATA's planned 2008 Metrobus On-Board Survey; and

**WHEREAS**, comparable data collected in the 2008 Metrobus Survey and a supplemental on-board survey of bus riders on local jurisdiction systems would provide the first complete picture of bus transit usage in the region in more than 30 years; and

**WHEREAS**, there would be significant benefits to both WMATA and the TPB in conducting and managing the 2008 Metrobus and Supplemental Local Bus on-board surveys as single procurement that used a common methodology and single contractor for both on-board bus surveys; and

**WHEREAS**, a TPB staff proposal in response to the subcommittee request was reviewed at the October 5 and November 2, 2007 TPB Technical Committee meetings; and

**WHEREAS**, at the November 2 meeting, the TPB Technical Committee recommended that the TPB reprogram \$375,000 in funding from the FY 2008 UPWP for a Supplemental Local Bus On-Board Survey to be conducted together with WMATA's 2008 Metrobus On-Board Survey; and

**WHEREAS**, it is anticipated that WMATA will provide \$750,000 to the Metropolitan Washington Council of Governments (COG) on behalf of the TPB for the conduct of the 2008 Metrobus On-Board Survey;

**NOW, THEREFORE, BE IT RESOLVED THAT:** The Steering Committee of the National Capital Region Transportation Planning Board amends the FY 2008 UPWP to

- reprogram \$375,000 in funding from the Household Travel Survey and the WMATA Technical Assistance Program as shown in the attached pages from the FY 2008 UPWP, and
- add a new project entitled: Regional Bus Passenger Survey, which includes a Supplemental Local Bus On-Board Survey with the \$375,000 in FY 2008 UPWP funding together with the 2008 Metrobus On-Board Survey with \$750,000 in WMATA funding, as described in the attached materials.

**6. TECHNICAL ASSISTANCE**

D. WMATA

Geocode 2007 WMATA Rail Survey Data

This project will Geocode the home address data collected in the Spring 2007 WMATA rail passenger survey to Transportation Analysis Zones (TAZs) for the TPB Modeled Region. For this project TPB staff will (1) geoprocess all of the home address data; (2) hire, train and supervise the temporary geocoding clerks; and (3) provide overall project management and quality control. COG/TPB will deliver to WMATA an updated rail passenger survey file with TAZ geocodes and other appropriate geoprocessing flags appended to each survey record.

Cost Estimate:       \$25,000  
                          \$50,000 carryover from FY 2007  
                          \$75,000 total

Schedule:            October 2007

~~Geocode 2007 WMATA Bus Passenger Survey~~

~~This project will Geocode the home address data collected in the Fall 2007 WMATA bus passenger survey to Transportation Analysis Zones (TAZs) for the TPB Modeled Region. For this project TPB staff will (1) geoprocess all of the home address data; (2) hire, train and supervise the temporary geocoding clerks; and (3) provide overall project management and quality control. COG/TPB will deliver to WMATA an updated bus passenger survey file with TAZ geocodes and other appropriate geoprocessing flags appended to each survey record.~~

~~Cost Estimate:       \$75,000~~  
~~Schedule:            March 2008~~

Impact of Highway Congestion on WMATA Bus Operations

This project will study the impact of highway congestion on WMATA bus operations & fleet needs. This project will also identify potential improvements that could mitigate the adverse effects of this congestion on bus operations and reduce WMATA overall bus fleet needs and operating costs.

Deletion in ~~strikeout~~  
Addition in **bold**

**5. TRAVEL MONITORING**

C. TRAVEL SURVEYS AND ANALYSIS

1. Household Travel Survey

Beginning in January 2007, over a 12-month period, approximately 10,000 households will be surveyed to collect detailed information on the socio-economic characteristics and travel behavior of persons residing in the TPB modeled region. The information collected in this survey will be used in future fiscal years to develop and calibrate regional travel demand forecasting models that are used to predict future travel demands based on projected household and employment growth and planned improvements to the regional transportation system. The last large scale regional household travel survey of this type was conducted more than 10 years ago.

~~In FY 2008, the data collection for the regional household travel survey will be completed. Staff will manage and supervise the survey contractor and coordinate survey activities with state and local government staff as appropriate. The data collected in the 2007 regional household travel survey will be processed, edited, geocoded and tabulated. Staff will then prepare a technical report documenting the results of the survey.~~

**Staff will geocode, edit and tabulate household travel survey data collected by the survey contractor through December 31, 2006. The geocoding, editing and tabulation of the household travel survey data collected by the survey contractor from January 1, 2008 through March 2008 will be geocoded, edited and tabulated in the first quarter of FY 2009.**

Staff will also continue to provide data files, user documentation and technical support to the users of existing COG/TPB travel survey databases. This work will include special tabulations from these databases to support improvements in travel forecasting procedures and other COG/TPB transportation planning activities as required.

Oversight:	Travel Forecasting Subcommittee
Cost Estimate:	<del>\$1,128,400</del> <b>\$828,400</b> \$1,200,000 in carryover from FY 2007 <del>\$2,328,400</del> <b>\$2,028,400</b> total
Products:	Geocoded and edited Travel Survey Data, Technical Report

## **New Project Included in FY 2008 UPWP**

### **2. Regional Bus Passenger Survey**

**The Washington Metropolitan Area Transit Authority (WMATA) has included \$750,000 in funding in its FY 2008 Budget for the conduct of a spring 2008 Metrobus On-Board Survey. The purpose of this survey is to: (1) obtain bus passenger jurisdiction of residence data needed for WMATA's regional bus subsidy allocation formula, (2) collect information on the origin-destination trip patterns of riders on Metrobus regional and non-regional routes that is used in bus route planning and travel demand model validation and (3) obtain other information that would be used to develop an updated profile of current Metrobus riders and their trips.**

**The Regional Bus Subcommittee of the National Capital Region Transportation Planning Board (TPB) asked the TPB Technical Committee to identify potential funding for a supplemental on-board survey of riders on local and county agency buses that would complement WMATA's planned 2008 Metrobus On-Board Survey. Members of this subcommittee, representing WMATA and local jurisdiction transit agencies, also stated their belief that there would be significant benefits to both WMATA and the TPB in conducting and managing the 2008 Metrobus and Supplemental Local Bus on-board surveys as single procurement that used a common methodology and single contractor for both on-board bus surveys. Together, comparable data collected in the 2008 Metrobus Survey and a supplemental on-board survey of bus riders on local jurisdiction systems would provide the first complete picture of bus transit usage in the region in more than 30 years.**

**A proposal in response to the Regional Bus Subcommittee request was reviewed at the October 5 and November 2, 2007 TPB Technical Committee meetings. This proposal recommended that the TPB reprogram \$375,000 in funding from its FY 2008 Unified Planning Work Program (UPWP) for a Supplemental Local Bus On-Board Survey and that WMATA provide \$750,000 to the Metropolitan Washington Council of Governments (COG) on behalf of the TPB for the conduct of the 2008 Metrobus On-Board Survey.**

**In this project staff will design the 2008 Metrobus and Supplemental Local Bus on-board surveys as a coordinated and complementary regional effort and a survey contractor will be hired for the conduct of both of these two on-board surveys. COG/TPB will supervise and manage the survey contractor and provide overall quality assurance.**

**Oversight:** Regional Bus Planning Subcommittee and WMATA staff

**Cost Estimate:** - \$750,000 WMATA funding for 2008 Metrobus On-Board Survey  
- \$375,000 FY 2008 UPWP for Supplemental Local Bus On-Board Survey  
\$1,125,000 total

**Products:** Bus On-Board Survey Data, Technical Report

**Schedule:** June 2008