

TPB R36-2009
June 17, 2009

**NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD
777 NORTH CAPITOL STREET, N.E.
WASHINGTON, D.C. 20002-4201**

**RESOLUTION AMENDING THE FY 2010 UNIFIED PLANNING WORK PROGRAM
(UPWP) TO ALLOCATE FUNDING FOR AN AIR QUALITY CONFORMITY
ASSESSMENT FOR AN AMENDMENT TO THE 2009 CLRP TO INCLUDE THE
PURPLE LINE LIGHT RAIL PROJECT IN MARYLAND AND THE
TRANSPORTATION COMPONENTS ASSOCIATED WITH
THE NEW "RETURN TO L'ENFANT" DEVELOPMENT ON AIR RIGHTS OVER I-395
IN THE DISTRICT OF COLUMBIA**

WHEREAS, the Joint Planning Regulations issued February 14, 2007 by the Federal Transit Administration (FTA) and the Federal Highway Administration (FHWA) require a Unified Planning Work Program (UPWP) for Transportation Planning; and

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

WHEREAS, the FY 2010 Unified Planning Work Program (UPWP) for Transportation Planning for the Washington Metropolitan Region was approved by the Transportation Planning Board (TPB) on March 18, 2009; and

WHEREAS, on June 17, 2009, the TPB approved the scope of work with a budget of \$64,000 for an air quality conformity assessment for an amendment to the 2009 CLRP and FY 2010-2015 TIP to include the Purple Line light rail project in Maryland and the transportation components associated with the new "Return to L'Enfant" development on air rights over I-395 in the District of Columbia; and

WHEREAS, the Maryland Department of Transportation and District of Columbia Department of Transportation have requested that this air quality conformity assessment funded with \$32,000 from the work activity "MTA-Corridor Cities Transitway/Purple Line Transit" in Maryland Technical Assistance program, and \$32,000 from unprogrammed funding in the District of Columbia Technical Assistance Program;

NOW, THEREFORE, BE IT RESOLVED THAT the National Capital Region Transportation Planning Board approves an amendment to the FY 2010 Unified Planning Work Program to allocate \$32,000 from the work activity "MTA-Corridor Cities Transitway/Purple Line Transit" in Maryland Technical Assistance program, and \$32,000 from the unprogrammed funding in the District of Columbia Technical Assistance Program to complete an air quality conformity assessment for an amendment to the 2009 CLRP and FY 2010-2015 TIP to include the Purple Line light rail project in Maryland and the transportation components

associated with the new "Return to L'Enfant" development on air rights over I-395 in the District of Columbia.

Adopted by the Transportation Planning Board at its regular meeting on June 17, 2009.

May 13, 2009

**AIR QUALITY CONFORMITY ASSESSMENT
AMENDMENTS TO THE 2009 CONSTRAINED LONG RANGE PLAN AND
THE FY2010-2015 TRANSPORTATION IMPROVEMENT PROGRAM**

SCOPE OF WORK

I. INTRODUCTION

The Maryland Department of Transportation (MDOT) and the District Department of Transportation (DDOT) each requests an amendment to the 2009 Constrained Long Range Plan (CLRP). MDOT's is for the construction of the Purple Line from New Carrollton to Bethesda. DDOT's is for a proposed development in the air rights over I-395 between E St. and Massachusetts Ave. NW, which includes some transportation components. The 2009 CLRP and FY2010-2015 TIP are scheduled to be adopted by the Transportation Planning Board (TPB) in July, 2009. Both amendments affect the air quality conformity analysis, and will therefore require a new demonstration of air quality conformity before they can be adopted as plan and program elements by the Transportation Planning Board (TPB).

This scope of work reflects the tasks and schedule designed for the air quality conformity assessment leading to adoption of the amended plan and program. This work effort addresses requirements associated with attainment of the ozone standards (volatile organic compounds (VOC) and nitrogen oxides (NO_x) as ozone precursor pollutants), and fine particles (PM_{2.5}) standards (direct particles and precursor NO_x), as well as maintenance of the wintertime carbon monoxide (CO) standard.

The amended plan and program must meet air quality conformity regulations: (1) as originally published by the Environmental Protection Agency (EPA) in the November 24, 1993 Federal Register, and (2) as subsequently amended, most recently on January 24, 2008, and (3) as detailed in periodic FHWA / FTA and EPA guidance. These regulations specify both technical criteria and consultation procedures to follow in performing the assessment.

This scope of work provides a context in which to perform the conformity analyses and presents an outline of the work tasks required to address all regulations currently applicable.

II. APPROACH

The analytical approach is the same as that currently being applied in the air quality conformity assessment of the 2009 CLRP and FY2010-2015 TIP, scheduled for approval by the TPB in July 2009, which is outlined in the summary table below.

TABLE 1 – Summary of Technical Approach

	Ozone	Wintertime CO	PM_{2.5}
Pollutant:	VOC, NOx	CO	Direct particles, Precursor NOx
Emissions Assessment Criteria:	Existing 1-hour ozone budgets & 8-hour ozone budgets	Approved wintertime CO emissions budget	Reductions from base 2002 inventory & comparison to budgets
Emissions Analysis Time-frame:	Daily	Daily	Annual
Geography:	1-hour ozone non-attainment area 8-hour ozone non-attainment area (1-hr. area less Stafford)	DC, Arl., Alex., Mont., Pr. Geo.	1-hr. area less Stafford and Calvert counties
Network Inputs:	Regionally significant projects		
Land Activity:	Round 7.2a		
Modeled Area:	Expanded Cordon (2191 zone)		
Travel Demand Model:	Version 2.2		
Mobile Model:	MOBILE6.2 emissions factors, consistent with the procedures utilized to establish the VOC and NOx mobile source emissions budgets	MOBILE6.2 Consistent with procedures used to establish the budget	MOBILE6.2 'Seasonal' approach, consistent with procedures used to establish the budget
Emissions Factor Refinements:	Use of 2008 vehicle registration data for all jurisdictions		

III. CONSULTATION

A 30 day public comment / interagency consultation period followed by response to comments will be provided for the following milestones:

- Project review
- Air quality conformity scope of work
- Conformity report

IV. WORK TASKS

1. Prepare forecast year highway and transit networks
 - 2010, 2020, 2030
2. Review and update land activity files
 - Round 7.2a
3. Prepare 2010 travel and emissions estimates
 - Execute travel demand modeling
 - Calculate emissions (daily for ozone season VOC and NO_x for ozone standard requirements; daily for winter CO; yearly for PM_{2.5} direct particles and precursor NO_x)
4. Prepare 2020 travel and emissions estimates
 - Execute tasks as in 2010 analysis, execute toll processes
5. Prepare 2030 travel and emissions estimates
 - Execute tasks as in 2020 analysis
 - Apply “transit constraint” using 2020 levels
6. Analyze results of above technical analysis
 - Reductions from 1990 (ozone season VOC and NO_x and winter CO) and 2002 base (ozone season VOC and NO_x, winter CO, and PM_{2.5})
 - 1-hour and 8-hour ozone season VOC and NO_x budgets, direct PM_{2.5} and precursor NO_x budgets, and winter CO emissions budgets
7. Assess conformity and document results in a report
 - Document methods
 - Draft conformity report
 - Forward to technical committees, policy committees
 - Make available for public comment and interagency consultation
 - Receive comments
 - Address comments and present to TPB for action
 - Finalize report and forward to FHWA and FTA

May 13, 2009

**AIR QUALITY CONFORMITY ASSESSMENT
AMENDMENTS TO THE 2009 CONSTRAINED LONG RANGE PLAN
AND THE FY2010-2015 TRANSPORTATION IMPROVEMENT PROGRAM**

PROPOSED SCHEDULE

May 1, 2009	TPB Technical Committee briefed on proposed amendments
May 14, 2009	Project descriptions and conformity analysis scope of work released for public comment
*May 20, 2009	TPB briefed on proposed amendments and conformity analysis scope of work
June 13, 2009	Public comment period ends
*June 17, 2009	TPB approves proposed project inputs and conformity analysis scope of work
* <i>July 15, 2009</i>	<i>TPB scheduled to adopt 2009 CLRP and FY2010-2015 TIP and conformity analysis</i>
September 10, 2009	Draft conformity results for amendment released for public comment
*September 16, 2009	TPB briefed on draft conformity results
October 10, 2009	Public comment period ends
*October 21, 2009	TPB reviews public comments and responses to comments, and adopts conformity analysis, 2009 CLRP, and FY2010-2015 TIP amendments
* TPB meeting	

STAFFING / BUDGET

	<u>Person Days</u>	
Director	5	
Senior Engineer	60	
Engineer II	14	
Total Salary		
	Direct	\$ 26,400
	M & A	\$ 6,600
	Leave Additive	\$ 6,270
Fringe		\$ 7,860
Indirect		\$ 16,970
Total Project Cost		\$ 64,100

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DISTRICT DEPARTMENT OF TRANSPORTATION



Office of the Director

June 10, 2009

Mr. Ronald Kirby
Director
Department of Transportation Planning
Metropolitan Washington Council of Governments
777 North Capitol Street, NE – Suite 300
Washington, DC 20002

Re Item # 10: Approval of Scope of Work and Budget for An Air Quality Conformity Assessment for An Amendment to the 2009 CLRP and FY 2010 – 2015 TIP to Include Projects Described in Items 8 and 9.

Dear Mr. Kirby,

As the TPB prepares to move ahead with air quality conformity determinations for the Purple Line and for the transportation improvements associated with the I-395 Air Rights Development, it comes to the attention of the District Department of Transportation (DDOT) that the network coding for the K Street Transitway, included in conforming versions of the 2003 CLRP and the FY 2004 – FY2009 TIP, is no longer a correct reflection of the latest design work associated with the Transitway.

At the present time, the network coding shows three general purpose travel lanes along K Street, NW between 7th Street and 23rd Street, NW. This is incorrect for areas abutting Farrugut and Franklin Squares where only two general purpose travel lanes exist. Furthermore, recent studies show that one transit lane in each direction does not provide sufficient level of transit service for the number of buses predicted to be present in this corridor. Therefore, a third transit lane is required to allow through buses to by-pass buses that are stopped. (Transit stops will be staggered so that there is only one stop in one direction on any given block.) As a result, only two general purpose travel lanes in each direction will be the norm along K Street, NW between 7th Street and 23rd Street, NW.

Therefore, as a technical change to the scope of work, DDOT requests that the network coding more accurately reflect the current plans for the Transitway that have been discussed extensively with the business improvement districts in that area.

TPB Item # 10 June 17, 2009 - Change Request

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However, the District wishes to allow the public to comment on this revision to the network and is willing to respond to any comments that may be received between the release of this information at the CAC on June 11th and July 11th. Should any of these comments require TPB response, DDOT will assist TPB in preparing that response for the July TPB meeting. The TPB hiatus during August would allow any changes to be incorporated without slipping the schedule for this off-cycle conformity assessment.

Thank you for considering this request to modify the scope of work associated with Item 10 for the June 17th TPB Agenda, the "Approval of Scope of Work and Budget for An Air Quality Conformity Assessment for An Amendment to the 2009 CLRP and FY 2010 – 2015 TIP to Include Projects Described in Items 8 and 9."

Please circulate this request to the TPB members and their staff so that they may be aware of this request prior to the TPB meeting on June 17th. Please also circulate this request at the June 11th TPB Citizen Advisory Committee meeting so that the public comment period can begin at that time.

If you have any questions or concerns, please let me know. I can be reached by e-mail at rick.rybeck@dc.gov or by phone at (202) 671-2325.

Sincerely,

A handwritten signature in black ink that reads "Rick Rybeck". The signature is written in a cursive, flowing style.

Rick Rybeck
Deputy Associate Director