

AIR QUALITY CONFORMITY ASSESSMENT

MARYLAND DEPARTMENT OF TRANSPORTATION
DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION
AMENDMENTS TO THE 2009 CONSTRAINED LONG RANGE PLAN
AND THE FY2010-2015
TRANSPORTATION IMPROVEMENT PROGRAM
FOR THE
WASHINGTON METROPOLITAN REGION

October 21, 2009

NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD
METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

EXECUTIVE SUMMARY

This report documents the air quality conformity assessment of the 2009 Constrained Long Range Plan (CLRP) and the FY2010-2015 Transportation Improvement Program (TIP) amendments to include the Purple Line Light Rail and the downgrade of two projects in the CLRP to “study” status in Maryland. The two projects are the widening of MD 3 from US 50 to the Anne Arundel County line, and the reconstruction of MD 28/MD 198 from MD 97 to I-95. Also included are the Return to L’Enfant development and K St. Busway modifications in the District of Columbia. This assessment was carried out under the regulations contained in the Environmental Protection Agency's final rule, published in the November 24, 1993 *Federal Register*, with subsequent amendments and additional federal guidance published by the Environmental Protection Agency (EPA) and by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). The process involved consultation with affected agencies such as the EPA, the FHWA, the FTA, and the Metropolitan Washington Air Quality Committee (MWAQC), as well as with the public. The assessment is a responsibility of the National Capital Region Transportation Planning Board.

The report includes a summary of the approach and technical methods, including explanations of updated land activity forecasts and project descriptions. Exhibits show travel demand outputs (trips, VMT, etc.) and regional emissions for ozone season and fine particles pollutants for each of the three forecast years analyzed. Conformity assessment criteria are defined.

The findings of the assessment provide a basis for a determination of conformity of the 2009 CLRP and the FY2010-2015 TIP as amended to include the addition of the Purple Line Light Rail in Maryland, and the Return to L’Enfant development and the K St. Busway modifications in the District of Columbia.

TABLE OF CONTENTS

| | <u>Page</u> |
|--|-------------|
| I. Introduction | 1 |
| II. Approach..... | 1 |
| III. Technical Methods | 2 |
| A. Land Activity Forecasts | 2 |
| B. Network Development | 2 |
| C. Travel Modeling Process..... | 2 |
| D. Emissions..... | 2 |
| IV. Conformity Assessment Criteria | 3 |
| V. Findings | 3 |

LIST OF EXHIBITS

| | <u>Page</u> |
|--|-------------|
| 1. Planning Areas Map | 4 |
| 2. Household Data | 5 |
| 3. Employment Data | 6 |
| 4. Mode Choice Analysis..... | 7 |
| 5. Vehicle Trips and AAWDT to ADT adjustment factors..... | 8 |
| 6A. Mobile Emissions Inventory Summary Table - VOC & NO _x - 1-hr ozone area..... | 9 |
| 6B. Mobile Emissions Inventory Summary Table - VOC & NO _x - 8-hr ozone area..... | 10 |
| 7. Mobile Emissions Inventory Summary Table - Direct PM _{2.5} | 11 |
| 8. Mobile Emissions Inventory Summary Table - PM _{2.5} Precursor NO _x | 12 |
| 9A. Mobile Source Emissions - VOC - 1-hr ozone area | 13 |
| 9B. Mobile Source Emissions - VOC - 8-hr ozone area..... | 14 |
| 10A. Mobile Emissions - NO _x - 1-hr ozone area | 15 |
| 10B. Mobile Emissions - NO _x - 8-hr ozone area | 16 |
| 11. Mobile Source Emissions - PM _{2.5} Precursor NO _x and Direct PM _{2.5} | 17 |

LIST OF APPENDICES

| | <u>Page</u> |
|---|-------------|
| A. MDOT Correspondence (June 10) Requesting Amendment | A1-A10 |
| B. DDOT Correspondence (April 23) Requesting Amendment & modification to K St. to Accommodate Busway | B1-B13 |
| C. Scope of Work..... | C1-C15 |
| D. Round 7.2 A Land Activity Correspondence..... | D1-D4 |

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

**RESOLUTION FINDING THAT AN AMENDMENT TO THE 2009 CONSTRAINED
LONG RANGE PLAN AND THE TRANSPORTATION IMPROVEMENT PROGRAM
FOR FY 2010-2015 TO INCLUDE THE PURPLE LINE LIGHT RAIL PROJECT AND
THE TRANSPORTATION COMPONENTS ASSOCIATED WITH THE 'RETURN TO
L'ENFANT" DEVELOPMENT OF I-395 CONFORM WITH THE REQUIREMENTS OF
THE CLEAN AIR ACT AMENDMENTS OF 1990**

WHEREAS, the National Capital Region Transportation Planning Board (TPB) has been designated by the Governors of Maryland and Virginia and the Mayor of the District of Columbia as the Metropolitan Planning Organization (MPO) for the Washington Metropolitan Area; and

WHEREAS, the U.S. Environmental Protection Agency (EPA), in conjunction with the U.S. Department of Transportation (DOT), under the Clean Air Act Amendments of 1990 (CAAA), issued on November 24, 1993 "Criteria and Procedures for Determining Conformity to State or Federal Implementation Plans of Transportation Plans, Programs, and Projects Funded or Approved Under Title 23 U.S.C. or the Federal Transit Act," and, over the years, subsequently amended these regulations and provided additional guidance, which taken together provide the specific criteria for TPB to make a determination of conformity of an amendment to the financially Constrained Long Range Transportation Plan (CLRP) and Transportation Improvement Program (TIP) with the state implementation plans for air quality attainment within the Metropolitan Washington non-attainment area; and

WHEREAS, a work program to conduct a conformity assessment of this amendment was developed to address all procedures and requirements, including public and interagency consultation, and the work program was released for public comment on May 14 and approved by the TPB at its June 17, 2009 meeting; and

WHEREAS, on June 17, 2009, the TPB approved the submissions for inclusion in the air quality conformity assessment for this amendment to the 2009 CLRP and FY 2010-2015 TIP which includes the following:

- the Purple Line Light Rail project,
- changing the MD 3 highway widening project from US 50 to the Anne Arundel County Line to a study,
- changing the MD28/198 Norbeck Road/Spencerville Road reconstruction project from MD 97 to I-95 to a study,
- the transportation component inputs associated with the "Return to

- L'Enfant" development over I-395, changing the number of general purpose travel lanes along K Street NW between 7th Street and 23rd Street from three to two; and

WHEREAS, on September 10, 2009, the draft air quality conformity determination results for this amendment to the 2009 CLRP and FY 2010-2015 TIP and web-based information were released for a 30-day public comment period and inter-agency review; and

WHEREAS, the analysis reported in a report entitled: *Air Quality Conformity Assessment: Maryland Department of Transportation and District of Columbia Department of Transportation Amendments to the 2009 Constrained Long Range Plan and the FY 2010-2015 Transportation Improvement Program for the Washington Metropolitan Region*, dated October 21, 2009 demonstrates adherence to all mobile source emissions budgets for volatile organic compounds, nitrogen oxides, carbon monoxide and fine particle emissions (PM2.5), and demonstrates that PM2.5 emissions meet the requirement that such emissions are not greater than 2002 levels, meets all regulatory, planning and interagency consultation requirements, and therefore provides the basis for a finding of conformity of this amendment to the plan and program with the requirements of the CAAA; and

WHEREAS, in the attached letter of September 23, 2009, the Metropolitan Washington Air Quality Committee (MWAQC) has provided favorable comments on the Air Quality Conformity Determination for An Amendment to the 2009 CLRP and FY 2010-2015 TIP to Include the Purple Line Light Rail Project and the Transportation Components Associated with the "Return to L'Enfant" Development Over I-395, expressed pleasure that the analysis showed that the addition of the Purple Line will result in an overall increase in transit ridership and a decrease in vehicle miles traveled, and also stated it supports continued investment in transit to assist the region to meet its air quality improvement and greenhouse gas reduction goals;

NOW, THEREFORE, BE IT RESOLVED THAT THE NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD determines that this amendment to the 2009 CLRP and FY 2010-2015 TIP, as described in the attached memorandum, the TPB web site, and Appendices A and B of the Air Quality Conformity report, conforms with all requirements of the Clean Air Act Amendments of 1990.

Adopted by the Transportation Planning Board at its regular meeting on October 21, 2009

I. INTRODUCTION

The Maryland Department of Transportation (MDOT) and the District Department of Transportation (DDOT) requested amendments to the 2009 Constrained Long Range Plan (CLRP) and the FY2010-2015 Transportation Improvement Program (TIP). MDOT's amendment, described in Appendix A, includes the addition of the 16-mile Purple Line light rail between Bethesda and New Carrollton in Montgomery and Prince George's Counties and the downgrade of two projects in the CLRP to "study" status in Maryland. The two projects are the widening of MD 3 from US 50 to the Anne Arundel County line, and the reconstruction of MD 28/ MD 198 from MD 97 to I-95. DDOT's amendment, described in Appendix B, includes the key transportation components of the "Return to L'Enfant" development, as well as a technical correction to modify the cross section of K St. NW to accommodate the K St. Busway project. The amendments affect the air quality conformity analysis, and therefore required a new demonstration of air quality conformity before they could be adopted as plan and program elements by the Transportation Planning Board (TPB). The Departments of Transportation requested that TPB staff perform the assessment, and the TPB approved the scope of work, included as Appendix C, at its June 17, 2009 meeting. This report describes the technical methods and results of the assessment. This report supplements the 2009 CLRP and FY2010-2015 air quality conformity report adopted by the TPB on July 15, 2009, and relies on the same technical methods and documentation contained therein.

II. APPROACH

Staff designed the scope of work for the conformity assessment to address all current technical and consultation requirements. These included requirements contained in the 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.

Per the conformity regulations, the analytical approach involves incorporating the proposed projects into the transportation networks for the plan and program (forecast years 2010, 2020 and 2030), performing travel demand and emissions analyses, and applying relevant evaluation criteria to assess conformity. The study effort utilizes the same travel demand model (TPB's Version 2.2 model), emissions factor model (EPA's Mobile6.2), and evaluation criteria as applied in the conformity assessment of the 2009 CLRP and the FY2010-2015 TIP, which was approved by the TPB on July 15, 2009. However the land activity assumptions were updated

(Round 7.2A) to reflect refinements associated with the projects. TPB's consultation procedures were applied to solicit public comment and interagency consultation on the analysis.

III. TECHNICAL METHODS

A. Land Activity Forecasts

With the addition of the Purple Line and the Return to L'Enfant amendments to the CLRP, COG staff asked local jurisdictions to review their land activity data and consider the potential impacts of the projects on the Round 7.2 Cooperative Forecasts. Montgomery County, Prince George's County, and the District of Columbia all made revisions to their data. The resulting Cooperative Forecasts are Round 7.2A. The Metropolitan Development Policy Committee (MDPC) approved the Round 7.2A Cooperative Forecasts at their July, 2009 meeting for use in the air quality conformity analysis. Correspondence relating to the updated land activity forecasts is included as Appendix D.

B. Network Development

The first step in the preparation of the travel forecasts was to update the 2009 CLRP networks to include the projects. 2010, 2020, and 2030 highway networks were prepared. Highway and transit network development files were modified to reflect the updates identified in Appendices A and B.

C. Travel Modeling Process

Using the same analytical approach as in the Spring, 2009 analysis, but with updated networks and land use, travel demand forecasting procedures were executed. Exhibit 1 graphically defines the geographical analysis areas of the travel demand model (modeled area), the 1-hour ozone nonattainment area (1983 Metropolitan Statistical Area), the 8-hour ozone nonattainment area, the PM_{2.5} nonattainment area, and the wintertime CO nonattainment area. Exhibits 2 and 3 present Round 7.2A household data and employment data for each of the year in the conformity assessment. Exhibits 4A and 4B summarize work travel and daily travel for the modeled area as output by the mode choice model. Exhibit 5 presents average annual weekday vehicle trips and vehicle miles traveled.

D. Emissions

Using the same emissions factors developed in prior conformity analysis, staff

executed the mobile source emissions calculations process to estimate required emissions for each milestone analysis year. This includes the estimation of emissions for the 2010, 2020 and 2030 analysis years. Exhibits 6 through 11 present these emissions for each milestone year. Exhibits 6A and 6B summarize ozone season VOC and NO_x emissions for the 1-hour and 8-hour areas respectively. Exhibits 7 and 8 summarize direct PM_{2.5} and precursor NO_x pollutant emissions. Exhibits 9-11 show data for these same pollutants in a bar chart format to provide a graphic representation of emissions relative to the budget for that pollutant.

IV. CONFORMITY ASSESSMENT CRITERIA

Each pollutant is assessed based on specific criteria. Ozone season pollutants must adhere to EPA-approved totals from the Metropolitan Washington Air Quality Committee's (MWAQC's) February, 2004 'severe area' (1-hour ozone) State Implementation Plan (SIP). These budgets received federal approval in Spring, 2005. Ozone season pollutants also must adhere to the recently approved 8-hour ozone 2008 Reasonable Further Progress (RFP) motor vehicle budgets which EPA found adequate on July 29, 2009. The conformity analysis also addressed the additional emissions budgets (2009 VOC and NO_x and 2010 NO_x) contained in the 8-hour ozone SIP, as well as budgets in the PM_{2.5} SIP, which await EPA's signoff. Where there are no approved mobile budgets for PM_{2.5} pollutants, EPA allows for an assessment that shows emissions in "action" scenarios are no greater than those in a 2002 base. This criterion was established and applied, with the concurrence of MWAQC, in all PM_{2.5} conformity assessments done to date.

The exhibits show that estimated emissions adhere to all requirements, i.e., are either within the mobile source emissions budgets for each pollutant (including the proposed 8-hour ozone SIP budgets and PM_{2.5} budgets awaiting EPA's approval actions), or meet emissions reduction requirements in the case of PM_{2.5} pollutants.

V. FINDINGS

The analytical results described in this air quality assessment provide a basis for a determination by the TPB of conformity of the 2009 CLRP and the FY2010-2015 TIP as amended to include the addition of the Purple Line Light Rail and the downgrade of the MD 3 and MD28/MD 198 projects to "study" status in Maryland, and the transportation components of the Return to L'Enfant development and the K St. Busway modifications in the District of Columbia.

EXHIBIT 1

Washington, D.C.- Maryland - Virginia Planning Areas

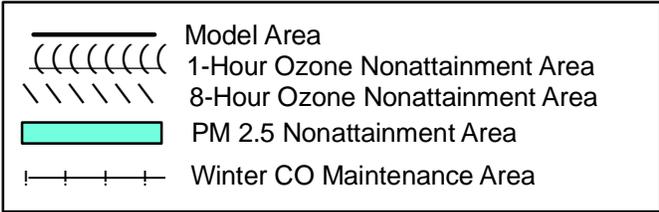
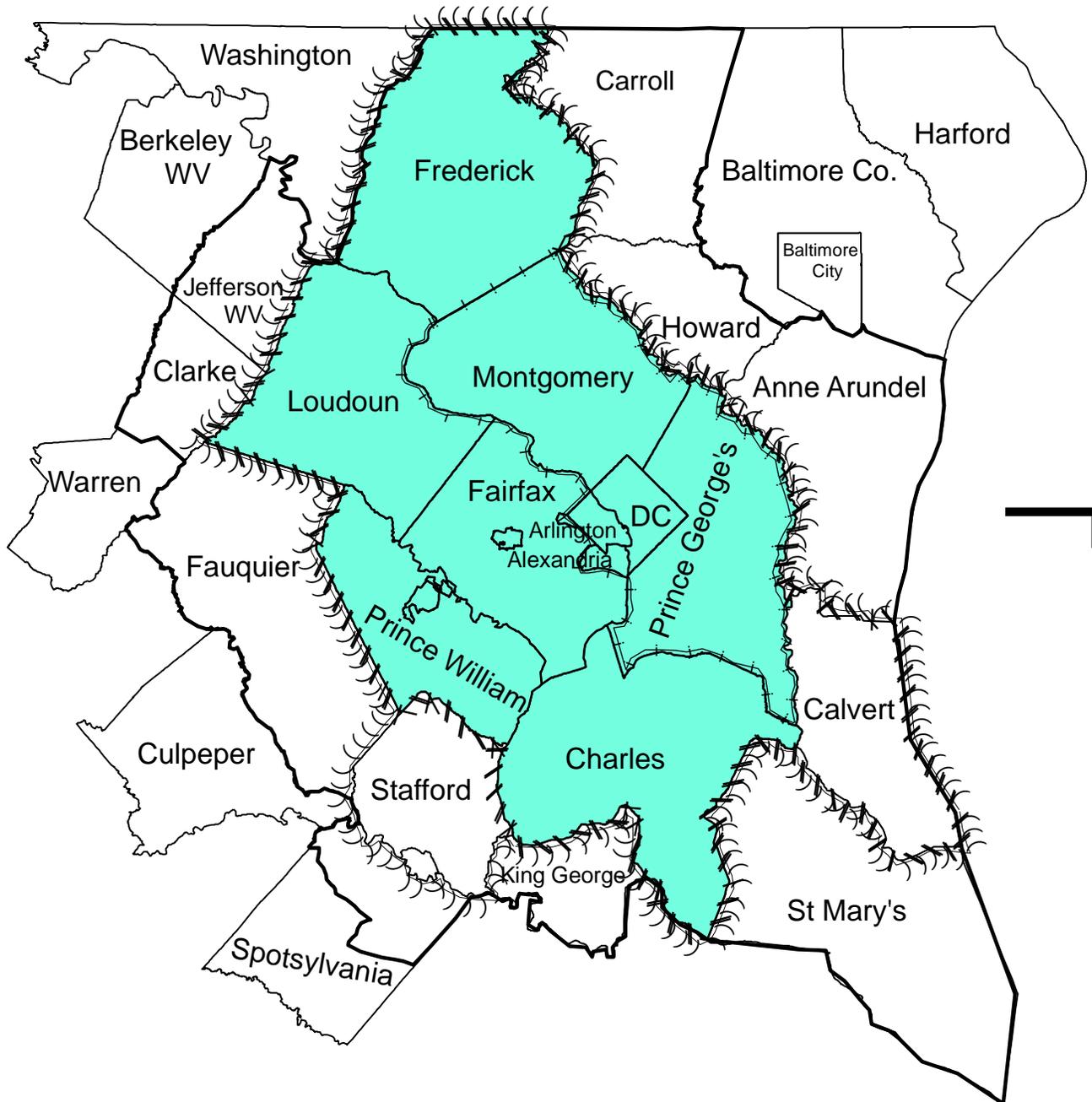


EXHIBIT 2 HOUSEHOLD DATA

| MSA: | 2010 | 2020 | 2030 |
|-----------------------------|------------------|------------------|------------------|
| | | | |
| D.C. | 275963 | 313063 | 335196 |
| MONTGOMERY | 362768 | 408769 | 441230 |
| PR.GEORGES | 317113 | 344020 | 367004 |
| ARLINGTON | 99886 | 116059 | 120863 |
| ALEXANDRIA | 70434 | 77234 | 86110 |
| FAIRFAX | 402024 | 444927 | 479299 |
| LOUDOUN | 101667 | 133828 | 155939 |
| PR.WILLIAM | 157610 | 189677 | 214227 |
| FREDERICK | 87708 | 104139 | 123125 |
| CHARLES | 50951 | 64302 | 75850 |
| STAFFORD | 41384 | 58997 | 72662 |
| CALVERT | 32049 | 36026 | 38349 |
| SUBTOTAL | 1,999,557 | 2,291,041 | 2,509,854 |
| ADDITIONAL COUNTIES: | | | |
| HOWARD | 109550 | 125466 | 132965 |
| ANNE ARUNDEL | 202359 | 218039 | 229513 |
| CARROLL | 63495 | 71163 | 77401 |
| FREDERICKSBURG (VA) | 10003 | 12453 | 13955 |
| JEFFERSON | 20427 | 25957 | 33075 |
| N. SPOTSYLVANIA | 34702 | 48484 | 58733 |
| FAUQUIER | 26872 | 35729 | 47506 |
| CLARKE | 6142 | 6860 | 7770 |
| K.GEORGE | 8392 | 11395 | 14005 |
| ST MARY'S | 38876 | 49350 | 58127 |
| SUBTOTAL | 520,818 | 604,896 | 673,050 |
| TOTAL | 2,520,375 | 2,895,937 | 3,182,904 |

SOURCE:
MwCOG Revised Round 7.2A Cooperative Forecasts
BMC Round 7 Cooperative Forecasts

EXHIBIT 3 EMPLOYMENT DATA

| MSA: | 2010 | 2020 | 2030 |
|-----------------------------|------------------|------------------|------------------|
| D.C. | 788162 | 860915 | 922419 |
| MONTGOMERY | 510600 | 590675 | 673725 |
| PR.GEORGES | 362286 | 398536 | 454207 |
| ARLINGTON | 214501 | 259600 | 271715 |
| ALEXANDRIA | 109109 | 136032 | 156831 |
| FAIRFAX | 700872 | 800470 | 870584 |
| LOUDOUN | 158819 | 227459 | 275196 |
| PR.WILLIAM | 152264 | 197682 | 243725 |
| FREDERICK | 142412 | 158278 | 167257 |
| CHARLES | 62239 | 71749 | 77550 |
| STAFFORD | 43197 | 55065 | 65638 |
| CALVERT | 35157 | 44438 | 47137 |
| SUBTOTAL | 3,279,618 | 3,800,899 | 4,225,984 |
| ADDITIONAL COUNTIES: | | | |
| HOWARD | 165822 | 195195 | 219747 |
| ANNE ARUNDEL | 291592 | 342525 | 379142 |
| CARROLL | 67603 | 70821 | 72451 |
| FREDERICKSBURG (VA) | 29430 | 35467 | 41767 |
| JEFFERSON | 21058 | 26113 | 30674 |
| N. SPOTSYLVANIA | 35362 | 46607 | 55567 |
| FAUQUIER | 27325 | 35767 | 43367 |
| CLARKE | 6793 | 7685 | 8552 |
| K.GEORGE | 9032 | 13118 | 16343 |
| ST MARY'S | 59191 | 67275 | 71972 |
| SUBTOTAL | 713,208 | 840,573 | 939,582 |
| TOTAL | 3,992,826 | 4,641,472 | 5,165,566 |

SOURCE:

MWCOG Revised Round 7.2A Cooperative Forecasts

BMC Round 7 Cooperative Forecasts

NOTE: Includes Census Adjustment

EXHIBIT 4A

**2009 CLRP AND FY2010-2015 TIP AMENDMENT AIR QUALITY CONFORMITY
DAILY REGIONAL HOME BASED WORK PURPOSE MODE ANALYSIS BY YEAR
(Based on Mode Choice Output- 6th Iteration)**

| YEAR | MOTORIZED PERSON | TOTAL HBW AUTO PSN | HBW LOV AUTO DRV | HBW HOV AUTO DRV | TOTAL HBW AUTO DRV | HBW CAROCC | HBW TRANSIT | HBW TRANSIT (%) |
|------|------------------|--------------------|------------------|------------------|--------------------|------------|-------------|-----------------|
| 2010 | 4,749,592 | 4,107,246 | 3,628,433 | 31,394 | 3,659,827 | 1.120 | 642,346 | 13.50% |
| 2020 | 5,414,462 | 4,618,020 | 4,045,453 | 40,319 | 4,085,772 | 1.130 | 796,442 | 14.70% |
| 2030 | 5,930,147 | 5,066,329 | 4,430,242 | 47,540 | 4,477,782 | 1.130 | 863,818 | 14.60% |

EXHIBIT 4B

**2009 CLRP AND FY2010-2015 TIP AMENDMENT AIR QUALITY CONFORMITY
DAILY REGIONAL ANALYSIS BY YEAR FOR ALL TRIP PURPOSES
(Based on Mode Choice Output- 6th Iteration)**

| YEAR | MOTORIZED PERSON | TOTAL AUTO PSN | LOV AUTO DRV | HOV AUTO DRV | TOTAL AUTO DRV | TOTAL CAROCC | TOTAL TRANSIT | TRANSIT (%) |
|------|------------------|----------------|--------------|--------------|----------------|--------------|---------------|-------------|
| 2010 | 25,751,254 | 24,589,108 | 19,422,411 | 31,394 | 19,453,805 | 1.260 | 1,162,146 | 4.50% |
| 2020 | 29,118,655 | 27,591,176 | 21,831,833 | 40,319 | 21,872,152 | 1.260 | 1,527,479 | 5.20% |
| 2030 | 31,779,252 | 30,114,558 | 23,891,314 | 47,540 | 23,938,853 | 1.260 | 1,664,694 | 5.20% |

*Note: Starting in 2020, all HOV facilities are HOV3+.

EXHIBIT 5

**2009 CLRP / FY2010-2015 TIP AMENDMENT AIR QUALITY CONFORMITY
MODELED AREA TRIPS AND VEHICLE MILES TRAVELED (000's)
AVERAGE WEEKDAY TRAFFIC (AWDT)
(Based on Final Iteration)**

| YEAR | WORK AND NON-WORK AUTO DRV | TRUCKS (Med + Hvy) | MISC + THRU TRIPS | COMMERCIAL VEHICLES | TOTAL VEH. TRIPS | TOTAL VMT |
|------|-------------------------------|-----------------------|----------------------|------------------------|---------------------|--------------|
| 2010 | 19,454,441 | 532,235 | 842,547 | 1,264,140 | 22,093,363 | 160,911,318 |
| 2020 | 21,872,884 | 618,515 | 971,960 | 1,444,805 | 24,908,164 | 182,789,481 |
| 2030 | 23,939,474 | 688,504 | 1,076,606 | 1,583,524 | 27,288,108 | 197,516,602 |

Adjustment Factors to Convert AAWDT to Appropriate Season:

Ozone Season AWDT: 1.05

Winter Season AWDT: 0.97

PM_{2.5} Annual:

| Season (ADT) | Factor |
|----------------------|--------|
| Season 1 (Jan- Apr) | 0.9216 |
| Season 2 (May- Sept) | 0.9873 |
| Season 3 (Oct- Dec) | 0.9282 |

NOTE: AWDT reflects a five day average
ADT reflects a seven day average

**2009 CLRP and FY 2010-2015 TIP Amendment
 Summary Table - 1-Hour Ozone Nonattainment Area
 Mobile Source Emissions Inventories
 AIR QUALITY CONFORMITY
 (Tons/Day)**

| | 2002 | | 2010 | | 2020 | | 2030 | |
|-----------------------|-------|-------|------|-------|------|-------|------|-------|
| | VOC | NOx | VOC | NOx | VOC | NOx | VOC | NOx |
| I Network | | | | | | | | |
| Start | 25.5 | 12.9 | 11.4 | 6.7 | 7.0 | 2.9 | 6.5 | 2.3 |
| Running | 58.9 | 230.9 | 30.5 | 120.2 | 20.4 | 39.0 | 20.8 | 28.8 |
| Soak | 11.6 | ----- | 9.9 | ----- | 5.6 | ----- | 4.5 | ----- |
| II Off-Network | | | | | | | | |
| Diurnal | 2.4 | ----- | 1.8 | ----- | 1.0 | ----- | 0.7 | ----- |
| Resting Loss | 12.3 | ----- | 8.5 | ----- | 3.8 | ----- | 2.5 | ----- |
| Local Roads | 8.9 | 10.6 | 4.5 | 6.0 | 2.9 | 2.4 | 3.0 | 2.0 |
| School Buses | 0.4 | 6.1 | 0.4 | 4.5 | 0.2 | 1.7 | 0.2 | 0.5 |
| Transit Buses | 0.4 | 6.6 | 0.2 | 4.2 | 0.1 | 1.0 | 0.1 | 0.4 |
| Auto Access | 1.3 | 1.5 | 0.8 | 1.0 | 0.5 | 0.5 | 0.5 | 0.4 |
| Total | 121.8 | 268.7 | 67.8 | 142.6 | 41.5 | 47.5 | 38.8 | 34.4 |

| | | | | | | | | |
|---------------|-------|-------|------|-------|------|------|------|------|
| TCMs | -0.4 | -0.1 | -0.2 | -0.4 | -0.1 | -0.3 | -0.1 | -0.3 |
| Net Emissions | 121.4 | 268.6 | 67.7 | 142.1 | 41.4 | 47.3 | 38.7 | 34.1 |

| | | | | | | | | |
|---------------------------|--|--|------|-------|------|-------|------|-------|
| Mobile Emissions Budgets: | | | 97.4 | 234.7 | 97.4 | 234.7 | 97.4 | 234.7 |
|---------------------------|--|--|------|-------|------|-------|------|-------|

| | | | | | | | | |
|--------------------------|--|--|------|------|------|-------|------|-------|
| Budget Adherence Margin: | | | 29.7 | 92.6 | 56.0 | 187.4 | 58.7 | 200.6 |
|--------------------------|--|--|------|------|------|-------|------|-------|

EXHIBIT 6 B

**2009 CLRP and FY 2010-2015 TIP Amendment
Summary Table - 8-Hour Ozone Nonattainment Area
Mobile Source Emissions Inventories
AIR QUALITY CONFORMITY
(Tons/Day)**

| | 2002 | | 2010 | | 2020 | | 2030 | |
|-----------------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|-------------|
| | VOC | NOx | VOC | NOx | VOC | NOx | VOC | NOx |
| I Network | | | | | | | | |
| Start | 25.0 | 12.7 | 11.2 | 6.6 | 6.8 | 2.9 | 6.3 | 2.2 |
| Running | 57.2 | 222.6 | 29.6 | 116.1 | 19.7 | 37.4 | 20.0 | 27.5 |
| Soak | 11.3 | ----- | 9.6 | ----- | 5.4 | ----- | 4.3 | ----- |
| II Off-Network | | | | | | | | |
| Diurnal | 2.4 | ----- | 1.7 | ----- | 0.9 | ----- | 0.6 | ----- |
| Resting Loss | 11.9 | ----- | 8.2 | ----- | 3.7 | ----- | 2.4 | ----- |
| Local Roads | 8.7 | 10.4 | 4.4 | 5.9 | 2.9 | 2.3 | 2.9 | 2.0 |
| School Buses | 0.4 | 6.0 | 0.3 | 4.4 | 0.2 | 1.7 | 0.2 | 0.5 |
| Transit Buses | 0.4 | 6.5 | 0.2 | 4.1 | 0.1 | 1.0 | 0.1 | 0.4 |
| Auto Access | 1.3 | 1.5 | 0.8 | 0.9 | 0.5 | 0.4 | 0.5 | 0.4 |
| Total | 118.6 | 259.6 | 65.9 | 138.1 | 40.2 | 45.7 | 37.4 | 32.9 |

| | | | | | | | | |
|---------------|-------|-------|------|-------|------|------|------|------|
| TCMs | -0.4 | -0.1 | -0.2 | -0.4 | -0.1 | -0.3 | -0.1 | -0.3 |
| Net Emissions | 118.2 | 259.5 | 65.8 | 137.6 | 40.0 | 45.4 | 37.3 | 32.7 |

| | | | | | | | | |
|---------------------------|--|--|------|-------|------|-------|------|-------|
| Mobile Emissions Budgets: | | | 66.5 | 144.3 | 66.5 | 144.3 | 66.5 | 144.3 |
|---------------------------|--|--|------|-------|------|-------|------|-------|

| | | | | | | | | |
|--------------------------|--|--|-----|-----|------|------|------|-------|
| Budget Adherence Margin: | | | 0.7 | 6.7 | 26.5 | 98.9 | 29.2 | 111.6 |
|--------------------------|--|--|-----|-----|------|------|------|-------|

EXHIBIT 7
2009 CLRP and FY 2010-2015 TIP Amendment
Direct PM_{2.5} Emissions
Mobile Source Emissions Inventories
Air Quality Conformity Summary Table
(Tons)

| SEASON 1 (JAN-APR) | | Days | 2010 | | 2020 | | 2030 | |
|----------------------|-----|------|-------------|----------|-------|----------|-------|----------|
| | | | Daily | seasonal | Daily | seasonal | Daily | seasonal |
| | | | Major Roads | 120 | 2.5 | 294.0 | 1.7 | 206.9 |
| Local Roads | 120 | 0.1 | 16.3 | 0.1 | 15.6 | 0.1 | 16.6 | |
| School Buses | 76 | 0.3 | 20.2 | 0.0 | 2.2 | 0.0 | 1.3 | |
| Transit Buses | 120 | 0.1 | 10.2 | 0.0 | 1.6 | 0.0 | 1.2 | |
| Auto Access | 83 | 0.0 | 0.9 | 0.0 | 1.2 | 0.0 | 1.3 | |
| Total (Daily) | | | 2.9 | | 1.9 | | 1.9 | |
| SEASON TOTAL | | | | 341.6 | | 227.4 | 230.1 | |

| SEASON 2 (MAY-SEP) | | Days | 2010 | | 2020 | | 2030 | |
|----------------------|-----|------|-------------|----------|-------|----------|-------|----------|
| | | | Daily | seasonal | Daily | seasonal | Daily | seasonal |
| | | | Major Roads | 153 | 2.5 | 389.5 | 1.8 | 281.7 |
| Local Roads | 153 | 0.1 | 22.3 | 0.1 | 21.6 | 0.1 | 22.8 | |
| School Buses | 83 | 0.2 | 20.2 | 0.0 | 2.3 | 0.0 | 1.4 | |
| Transit Buses | 153 | 0.1 | 12.1 | 0.0 | 2.0 | 0.0 | 1.5 | |
| Auto Access | 107 | 0.0 | 1.2 | 0.0 | 1.6 | 0.0 | 1.8 | |
| Total (Daily) | | | 3.0 | | 2.0 | | 2.1 | |
| SEASON TOTAL | | | | 445.3 | | 309.1 | 313.5 | |

| SEASON 3 (OCT-DEC) | | Days | 2010 | | 2020 | | 2030 | |
|----------------------|----|------|-------------|----------|-------|----------|-------|----------|
| | | | Daily | seasonal | Daily | seasonal | Daily | seasonal |
| | | | Major Roads | 92 | 2.3 | 211.0 | 1.7 | 158.1 |
| Local Roads | 92 | 0.1 | 12.2 | 0.1 | 12.1 | 0.1 | 12.7 | |
| School Buses | 55 | 0.2 | 12.5 | 0.0 | 1.5 | 0.0 | 0.7 | |
| Transit Buses | 92 | 0.1 | 7.0 | 0.0 | 1.2 | 0.0 | 0.8 | |
| Auto Access | 61 | 0.0 | 0.6 | 0.0 | 0.9 | 0.0 | 0.9 | |
| Total (Daily) | | | 2.7 | | 1.9 | | 1.9 | |
| SEASON TOTAL | | | | 243.4 | | 173.7 | 175.2 | |

| ANNUAL TOTAL | | | | | | | |
|---------------------|--|--|---------------|--|--------------|--|--------------|
| | | | 1030.3 | | 710.1 | | 718.8 |

Mobile Emissions Budgets: 1105.4

Budget Adherence Margin: 75.1

EXHIBIT 8
2009 CLRP and FY 2010-2015 TIP Amendment
PM_{2.5} Precursor Emissions: NOx
Mobile Source Emissions Inventories
Air Quality Conformity Summary Table
(Tons)

| SEASON 1 (JAN-APR) | | Days | 2010 | | 2020 | | 2030 | |
|-----------------------|-----|-------|--------------------|----------|--------|----------|--------|----------|
| | | | Daily | seasonal | Daily | seasonal | Daily | seasonal |
| | | | Major Roads-Starts | 120 | 10.1 | 1214.0 | 4.2 | 499.9 |
| Major Roads-VMT | 120 | 122.2 | 14659.3 | 38.6 | 4627.7 | 28.3 | 3391.3 | |
| Local Roads | 120 | 6.4 | 770.4 | 2.3 | 279.6 | 1.9 | 232.6 | |
| School Buses | 76 | 3.9 | 294.6 | 1.5 | 111.3 | 0.4 | 31.2 | |
| Transit Buses | 120 | 4.1 | 488.3 | 1.0 | 121.8 | 0.3 | 41.0 | |
| Auto Access | 83 | 1.2 | 97.6 | 0.3 | 27.8 | 0.3 | 24.7 | |
| Total (Daily) | | | 147.8 | | 47.9 | | 34.4 | |
| SEASON 1 TOTAL | | | | 17524.2 | | 5668.1 | | 4103.0 |

| SEASON 2 (MAY-SEP) | | Days | 2010 | | 2020 | | 2030 | |
|-----------------------|-----|-------|--------------------|----------|--------|----------|--------|----------|
| | | | Daily | seasonal | Daily | seasonal | Daily | seasonal |
| | | | Major Roads-Starts | 153 | 7.2 | 1103.0 | 3.1 | 468.6 |
| Major Roads-VMT | 153 | 107.8 | 16490.6 | 34.5 | 5274.1 | 25.2 | 3858.7 | |
| Local Roads | 153 | 5.3 | 806.2 | 2.0 | 309.8 | 1.7 | 263.6 | |
| School Buses | 83 | 3.6 | 295.2 | 1.4 | 112.5 | 0.4 | 32.7 | |
| Transit Buses | 153 | 3.8 | 581.4 | 1.0 | 145.4 | 0.3 | 51.3 | |
| Auto Access | 107 | 0.9 | 94.5 | 0.3 | 28.7 | 0.2 | 26.2 | |
| Total (Daily) | | | 128.5 | | 42.1 | | 30.3 | |
| SEASON 2 TOTAL | | | | 19370.8 | | 6339.1 | | 4598.3 |

| SEASON 3 (OCT-DEC) | | Days | 2010 | | 2020 | | 2030 | |
|-----------------------|----|-------|--------------------|----------|--------|----------|--------|----------|
| | | | Daily | seasonal | Daily | seasonal | Daily | seasonal |
| | | | Major Roads-Starts | 92 | 8.8 | 807.4 | 3.8 | 349.5 |
| Major Roads-VMT | 92 | 104.2 | 9585.0 | 35.3 | 3244.7 | 26.9 | 2476.7 | |
| Local Roads | 92 | 5.5 | 503.0 | 2.1 | 196.7 | 1.9 | 170.3 | |
| School Buses | 55 | 3.5 | 193.2 | 1.3 | 72.1 | 0.3 | 17.0 | |
| Transit Buses | 92 | 3.7 | 337.7 | 0.8 | 77.4 | 0.3 | 27.0 | |
| Auto Access | 61 | 1.0 | 60.9 | 0.3 | 18.9 | 0.3 | 17.5 | |
| Total (Daily) | | | 126.6 | | 43.7 | | 32.7 | |
| SEASON 3 TOTAL | | | | 11487.2 | | 3959.4 | | 2984.9 |

| | | | | | | | |
|---------------------|--|--|----------------|--|----------------|--|----------------|
| ANNUAL TOTAL | | | 48382.2 | | 15966.6 | | 11686.2 |
|---------------------|--|--|----------------|--|----------------|--|----------------|

Mobile Emissions Budget: 51359.9

Budget Adherence Margin: 2977.7

EXHIBIT 9A

Mobile Source VOC Emissions for the 1-Hour Ozone Nonattainment Area 2009 CLRP and FY 2010-2015 TIP AMENDMENT

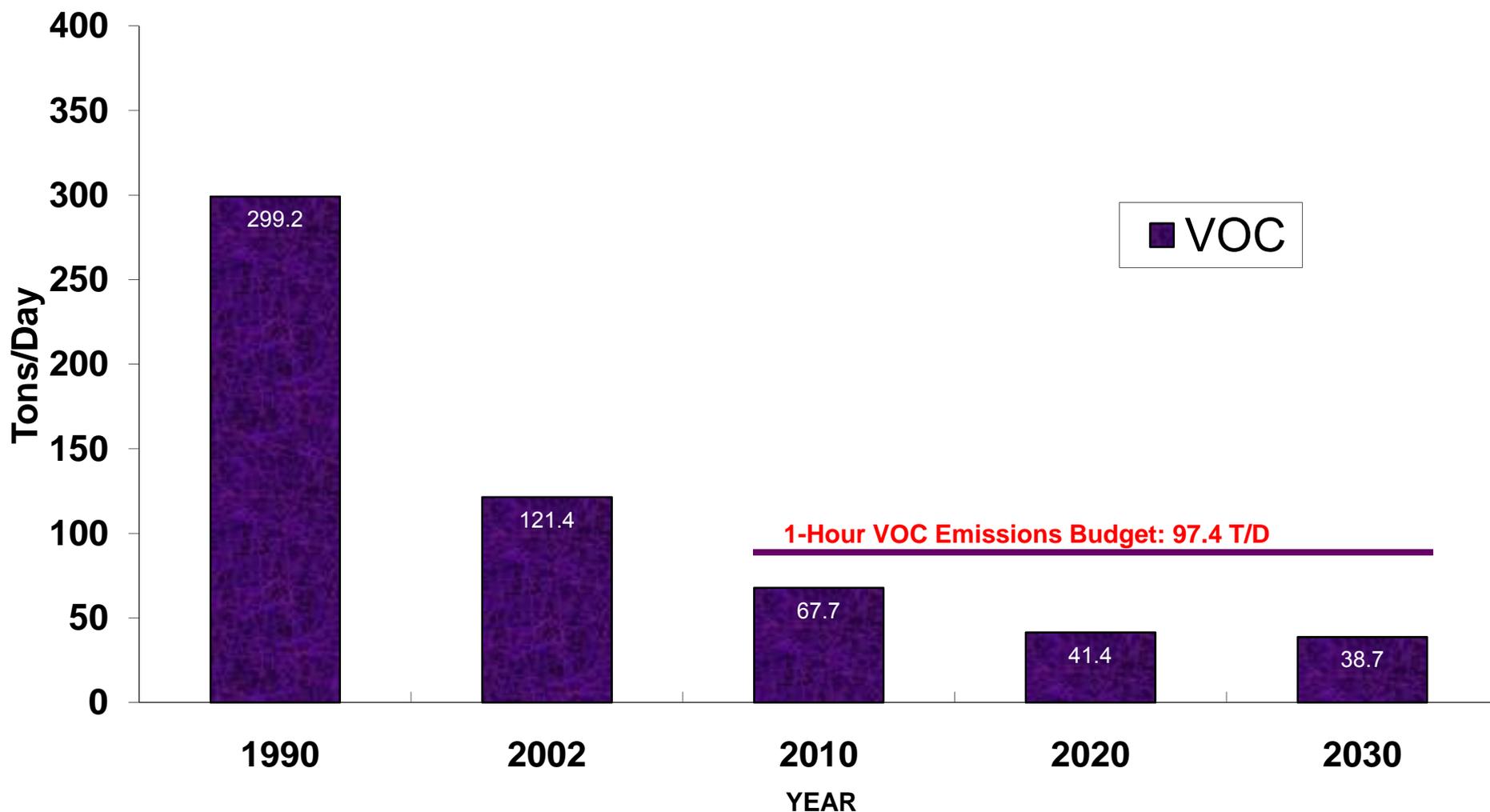


EXHIBIT 9B

Mobile Source VOC Emissions for the 8-Hour Ozone Nonattainment Area 2009 CLRP and FY 2010-2015 TIP AMENDMENT

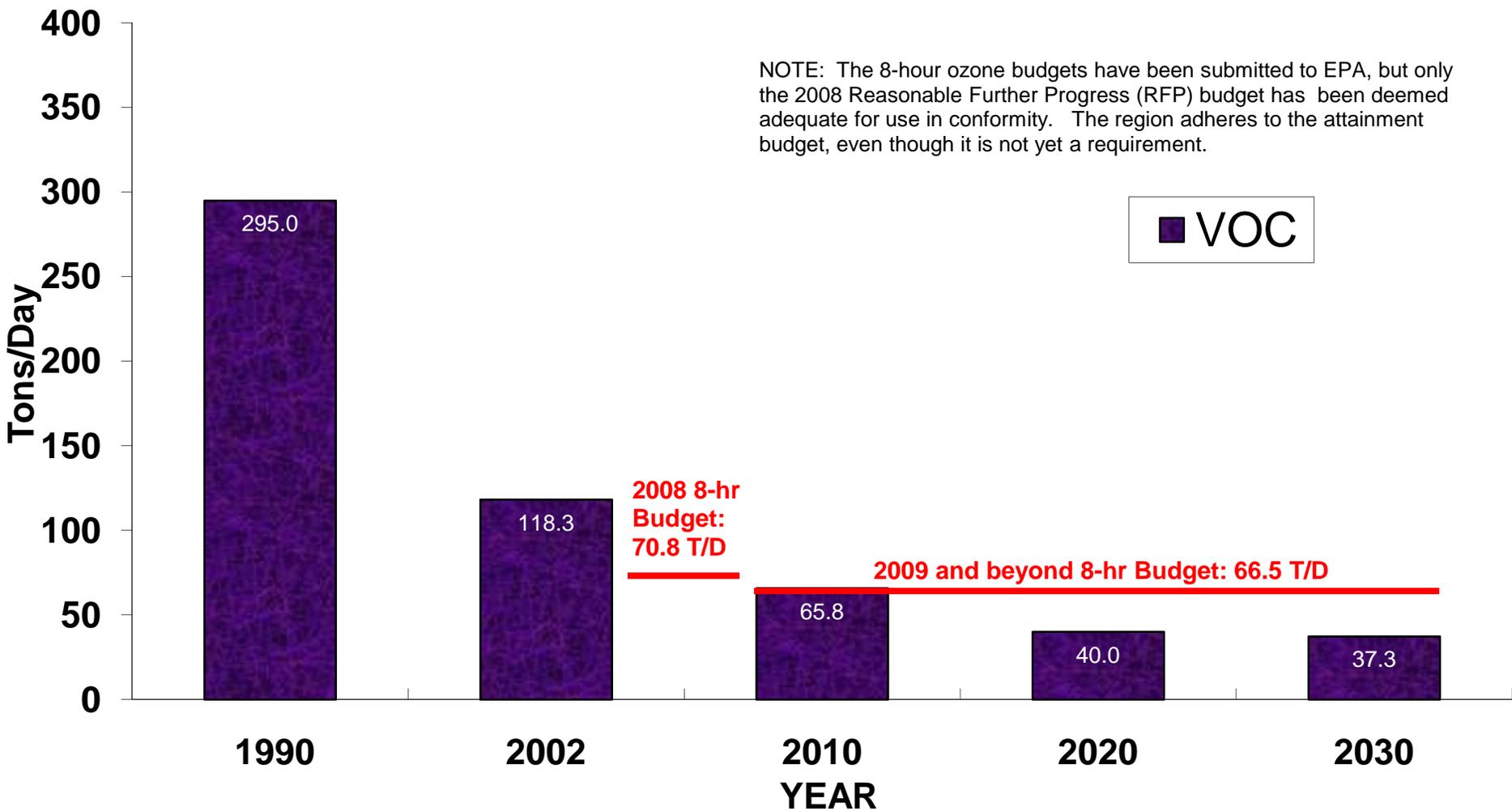


EXHIBIT 10A

Mobile Source NOx Emissions

for the 1-Hour Ozone Nonattainment Area

2009 CLRP and FY 2010-2015 TIP AMENDMENT

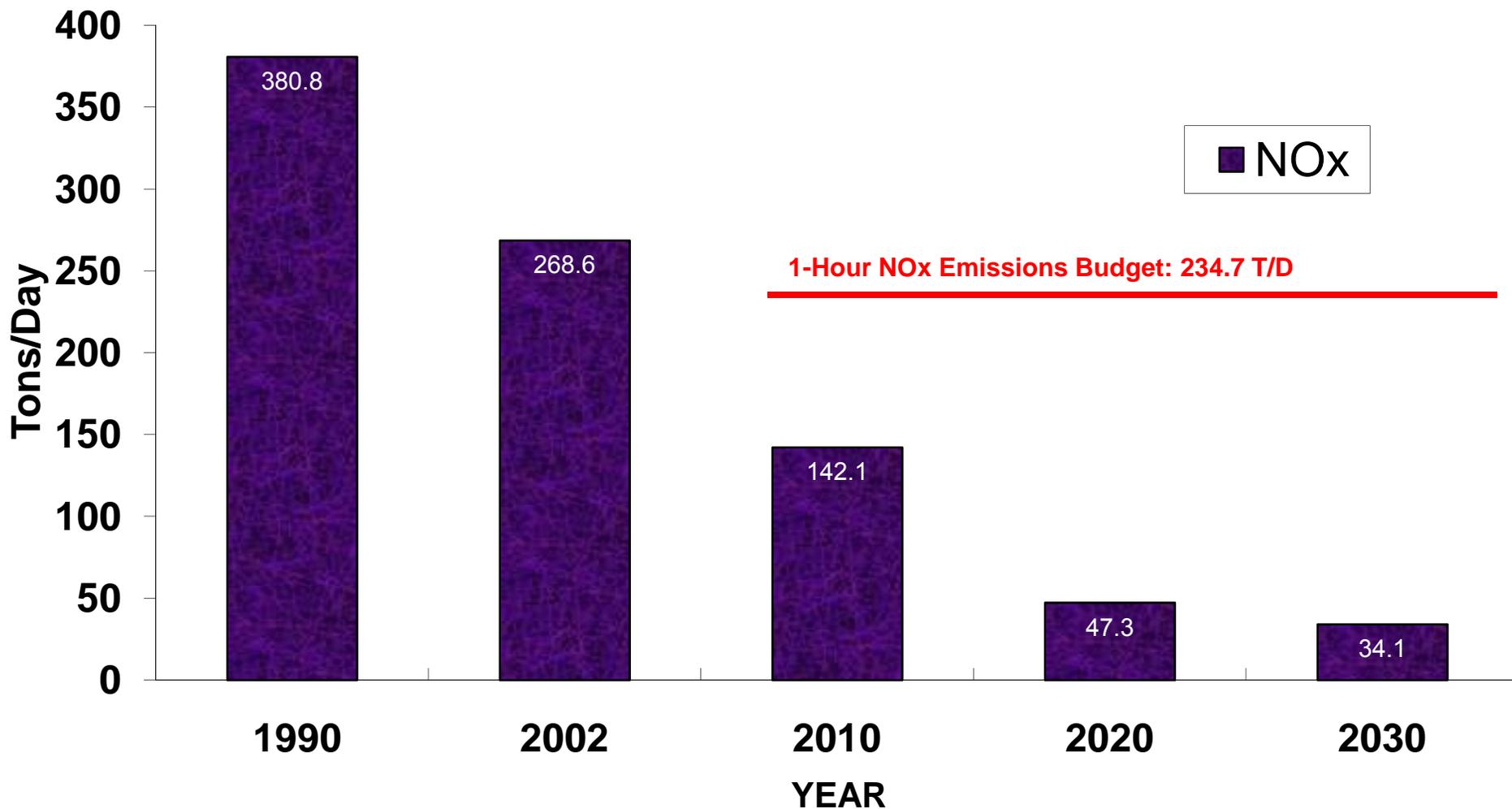


EXHIBIT 10B

Mobile Source NOx Emissions for the 8-Hour Ozone Nonattainment Area 2009 CLRP and FY 2010-2015 TIP AMENDMENT

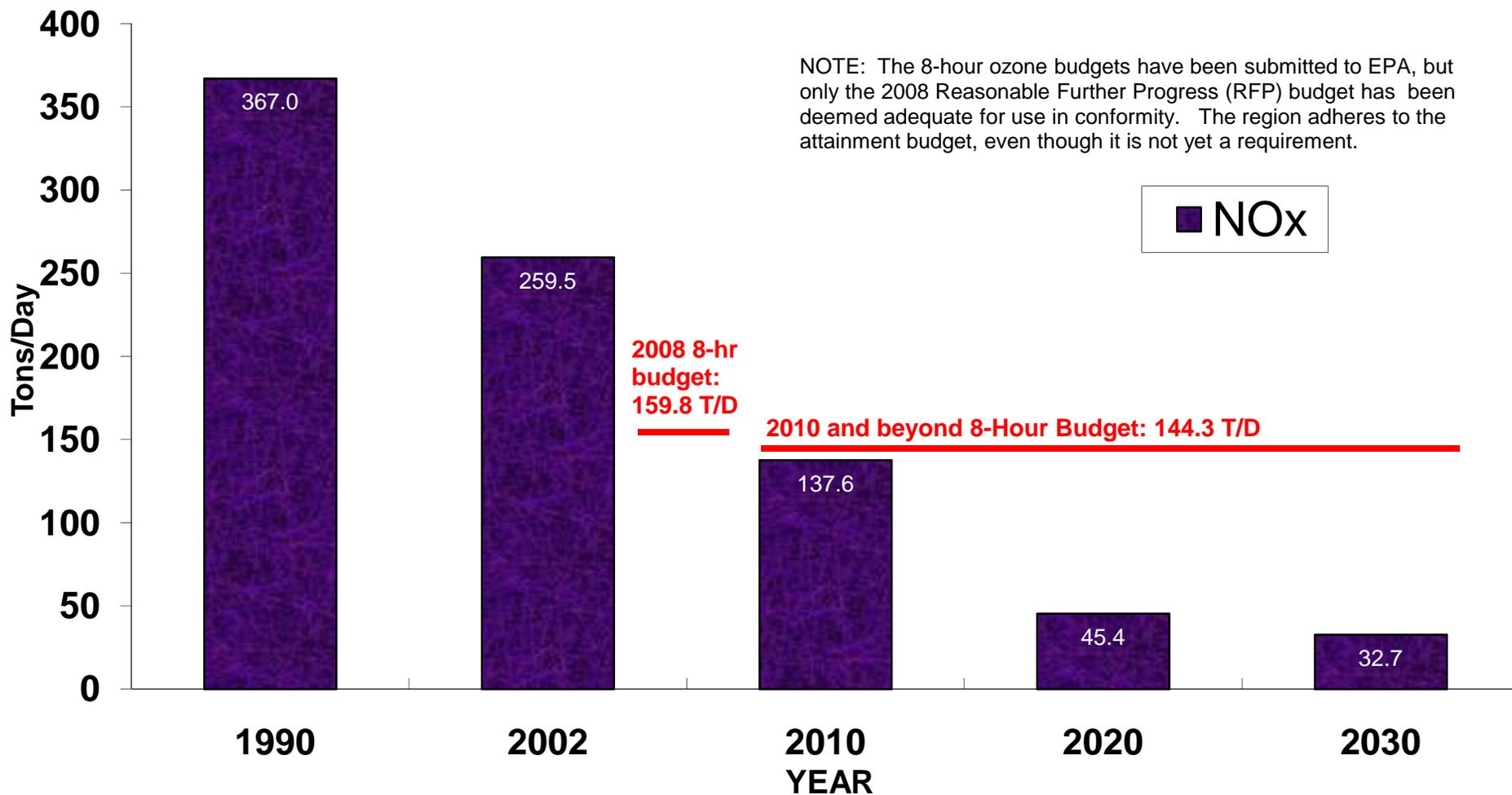
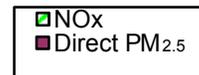
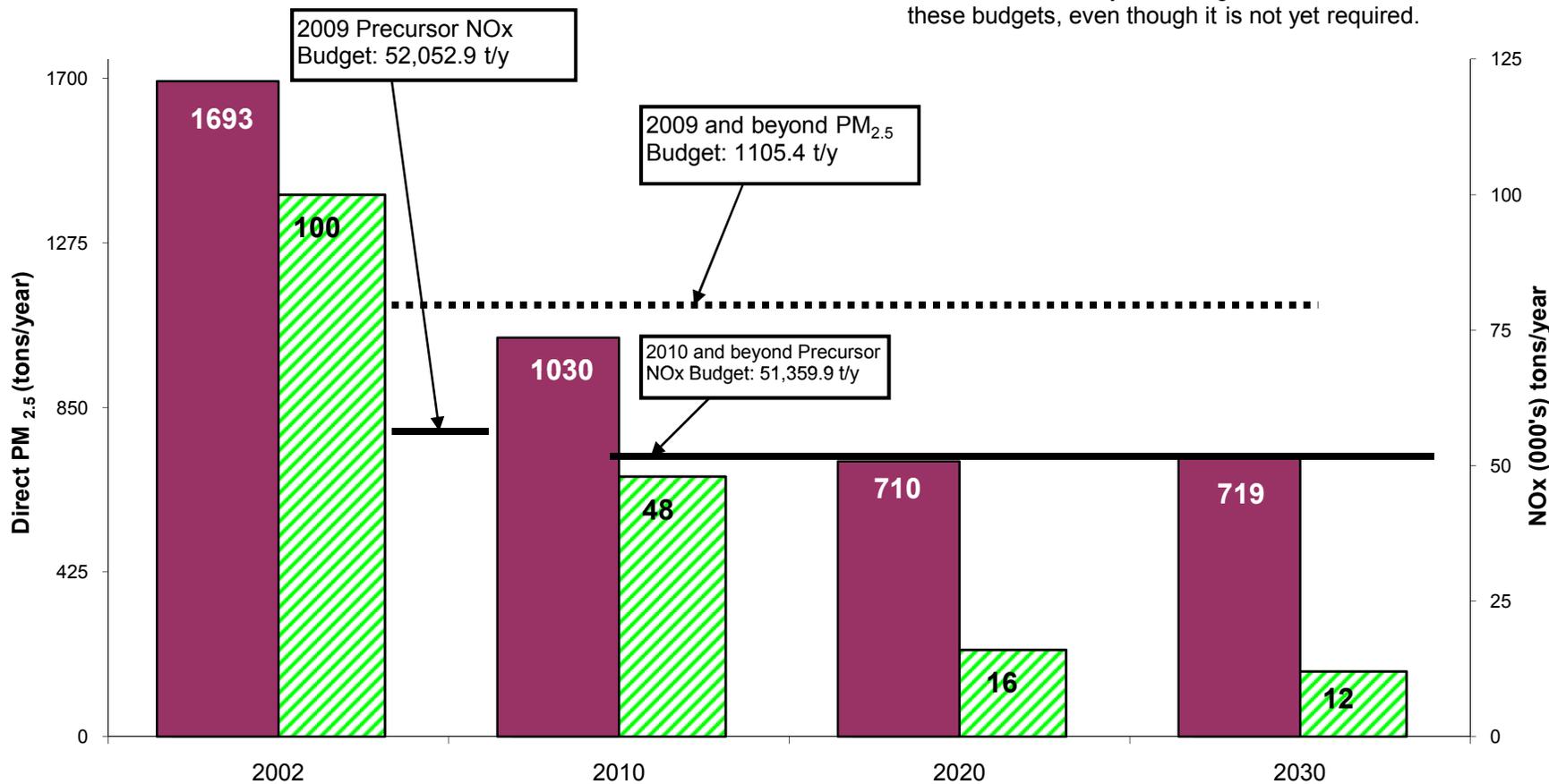


Exhibit 11 Mobile Source Emissions 2009 CLRP and FY 2010-2015 TIP Amendment PM_{2.5} Direct and Precursor NOx



NOTE: The PM_{2.5} budgets have been submitted to EPA, but have not yet been deemed adequate for use in conformity. The region adheres to these budgets, even though it is not yet required.



APPENDIX A

MDOT's Amendment



Maryland Department of Transportation
The Secretary's Office

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor

John D. Porcari
Secretary

Beverley K. Swaim-Staley
Deputy Secretary

May 14, 2009

The Honorable Charles A. Jenkins, Chairman
National Capital Region Transportation Planning Board
Metropolitan Washington Council of Governments
777 North Capitol Street, N.E. – Suite 300
Washington DC 20002

Dear Chairman Jenkins:

As you are aware, the Maryland Department of Transportation (MDOT) has requested that the amendment process be initiated to include the Purple Line Transit Project in the FY 2009 Constrained Long Range Plan (CLRP). The Purple Line is a future 16-mile transitway between New Carrollton and Bethesda Metrorail Stations. Please refer to our letter dated April 23 describing the project and the amendment in detail.

This letter is to inform you that we are revising our amendment request, and to provide details on the financial analysis that makes this amendment possible. There has been one change to the amendment request as it relates to the Purple Line project. The project costs that were provided are shown in 2009 "constant dollars," and federal rules require that costs be considered in "year of expenditure dollars." This requirement means an inflation rate must be applied to the project cost, which will increase it to an amount higher than previously indicated. We applied an average inflation rate of 2.8%. For the purposes of the fiscal constraint analysis, the cost of the project is now \$1.68 billion. Please see the attached revised CLRP Form, which reflects this cost.

Even with these higher costs, we wish to continue our request to amend the Purple Line into the CLRP. As you know, federal regulations mandate that the CLRP be fiscally constrained and that the funding sources for projects must be "reasonably expected to be available." To accommodate these requirements, MDOT would like to include the additional revenue expected to be received from legislation enacted by the Maryland General Assembly in the Fall 2007 and revise the original amendment request to include the removal of two projects within 2009 CLRP. The two projects to be removed from the CLRP are the MD 28/MD 198 and the MD 3 Highway Projects. They will be downgraded to the Illustrative List as a "Study."

The current CLRP is operating under the "Analysis of Resources for the 2006 Financially Constrained Long-Range Transportation Plan for the Washington Region" (CLRP Financial Plan). Since approval of the 2006 CLRP Financial Plan, the State of Maryland legislatively enacted a revenue increase to the Transportation Trust Fund (TTF) during the 2007 Special

My telephone number is _____
Toll Free Number 1-888-713-1414, TTY Users Call Via MD Relay
7201 Corporate Center Drive, Hanover, Maryland 21076



The Honorable Charles A. Jenkins
Page Two

Session. This legislative action increased the State's sales tax and vehicle titling tax. A portion of the sales tax and all of the titling tax is dedicated to the TTF to support the operating programs and capital projects of the Department.

Because of the methodology used in its development, the projections provided for the 2006 CLRP Financial Plan would not ordinarily be revised. MDOT develops its projections based on the underlying trends of its historical sources of funds. These trends include normal growth caused by increased volume, population and inflation, as well as, prior periodic revenue increases. By using this data to project future funding, the impact of future periodic increases is automatically built into the revenue projections. However, as we learned from a recent exercise done for the Baltimore Regional Transportation Board (BRTB), the revenue increase from the 2007 Special Session was larger than the trend analysis projected.

The BRTB requested an analysis on the impact the 2007 General Assembly Revenue Increase had on their CLRP forecast. Focusing on just the change in State dollars, the analysis showed that additional funding would be available sooner than anticipated. Starting in fiscal 2012, the additional funds available statewide would be split between system preservation and expansion, allotted between surface and non-surface transportation, and then allocated by region using the same factors as the original 2006 update. On February 24, 2009, the BRTB approved an amendment to their CLRP to include the 2007 Revenue Increase and add projects to their Plan.

This recently approved statewide analysis was used as the basis to determine the Washington Region's portion of the revenue increase. As detailed in the attachment, this analysis shows that nearly \$500 million in additional state funding can be available through 2030 from the Maryland Transportation Trust Fund. Consistent with the 2006 CLRP Financial Plan, MDOT assumes that 50 percent of the funding for major transit projects will be Federal New Starts Funding. Applying the same assumption to the Revenue Increase funding, MDOT has determined there is an additional \$1 billion of funding that can reasonably be expected to be available (\$500 million in state dollars and \$500 million in New Starts dollars) for the Purple Line project.

In the 2006 CLRP Financial Plan, on Page 5, Table 2, MDOT identified \$419 million for the Purple Line. MDOT also identified \$61 million as a placeholder for future New Starts projects. In combination, this means that the 2006 CLRP Financial Plan has already identified \$480 million dollars available for the project (\$240 million in state dollars, and \$240 million in New Starts dollars).

As mentioned above, MDOT is requesting that the MD 28/MD 198 construction project and the MD 3 construction project be removed from the CLRP and the associated funding be applied to the Purple Line project. The attached CLRP forms demonstrate that we are proposing to remove \$324 million from these the MD 28/MD 198 project, and \$212 million from the MD 3 project.

The Honorable Charles A. Jenkins
Page Three

As previously stated, the cost of the Purple Line project is \$1.68 billion. New state funding provided by the Revenue Increase, combined with the project placeholders already in the 2006 CLRP Financial Plan, and the removal of the highway projects, will enable us to add the full cost of the Purple Line project into the CLRP. MDOT is confident this analysis demonstrates that the amended 2009 CLRP is fiscally constrained.

We would like to thank both Montgomery County and Prince George's County for their cooperation in support of the Purple Line project, as well as, supporting our decision to change the status of these two highway projects in the current CLRP. MDOT does anticipate that these projects will be able to be restored with the 2010 CLRP update next year and this action will be our first priority.

We appreciate your cooperation in this matter. If you have any questions or concerns, please do not hesitate to contact Ms. Lyn Erickson at 410-865-1279, toll-free at 888-713-1414 or via email at lerickson@mdot.state.md.us. Of course, please feel free to contact me directly.

Sincerely,



Donald A. Halligan, Director
Office of Planning and Capital Programming

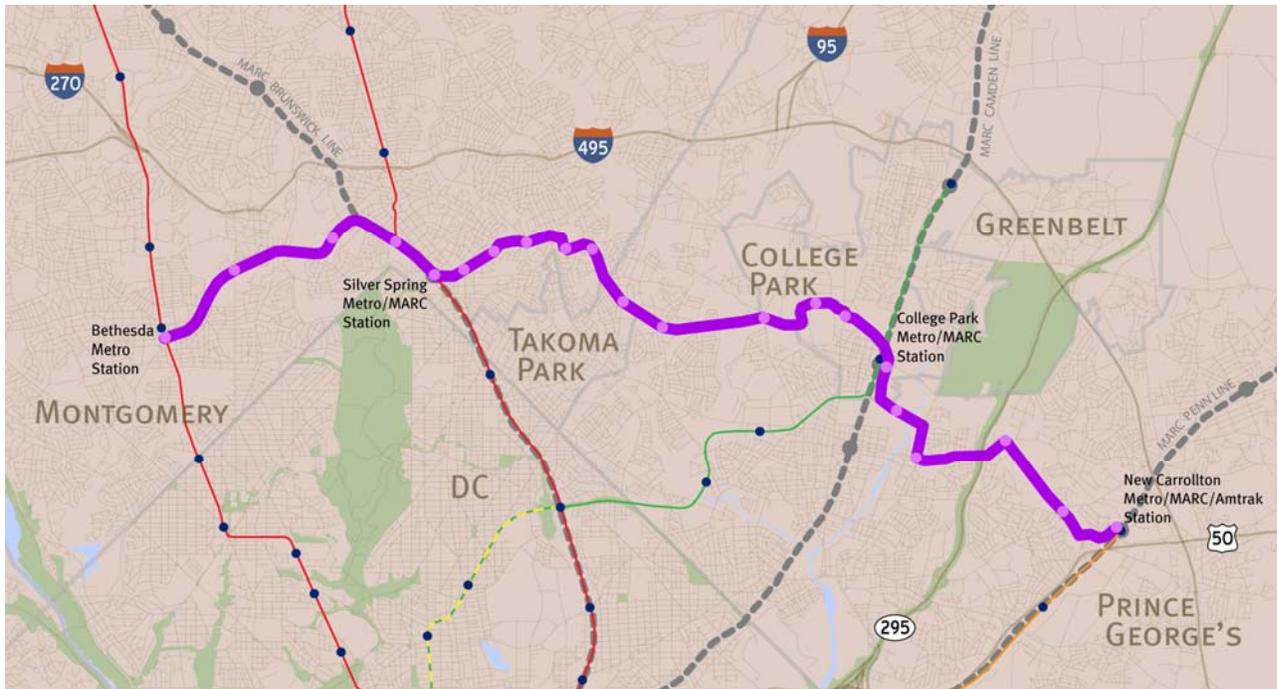
Attachments

cc: Ms. Lyn Erickson, Manager, Regional Planning, Office of Planning and Capital Programming, Maryland Department of Transportation
Mr. Ronald Kirby, Director, Department of Transportation Planning, Metropolitan Washington Council of Governments
Ms. Heather Murphy, Deputy Director, Office of Planning and Capital Programming, Maryland Department of Transportation
Mr. Michael Nixon, MPO Manager, Regional Planning, Office of Planning and Capital Programming, Maryland Department of Transportation
Ms. Diane Ratcliff, Director, Office of Planning, Maryland Transit Administration
Mr. Greg Slater, Maryland, Director, Office of Planning and Preliminary Engineering, State Highway Administration

Proposed for Amendment to the 2009 Update to the Constrained Long-Range Transportation Plan (CLRP)



Purple Line from Bethesda to New Carrollton



Design, construct and operate a light rail system in Montgomery and Prince George's Counties between Bethesda and New Carrollton. The 16-mile long facility features 21 stations and will connect to Metro stations on the Red Line (Bethesda, Silver Spring), the Green Line (College Park) and Orange Line (New Carrollton), as well as MARC and Amtrak rail stations.

Length: 16 miles
Complete: 2018
Cost: \$1.685 billion
Source: Federal and state funding

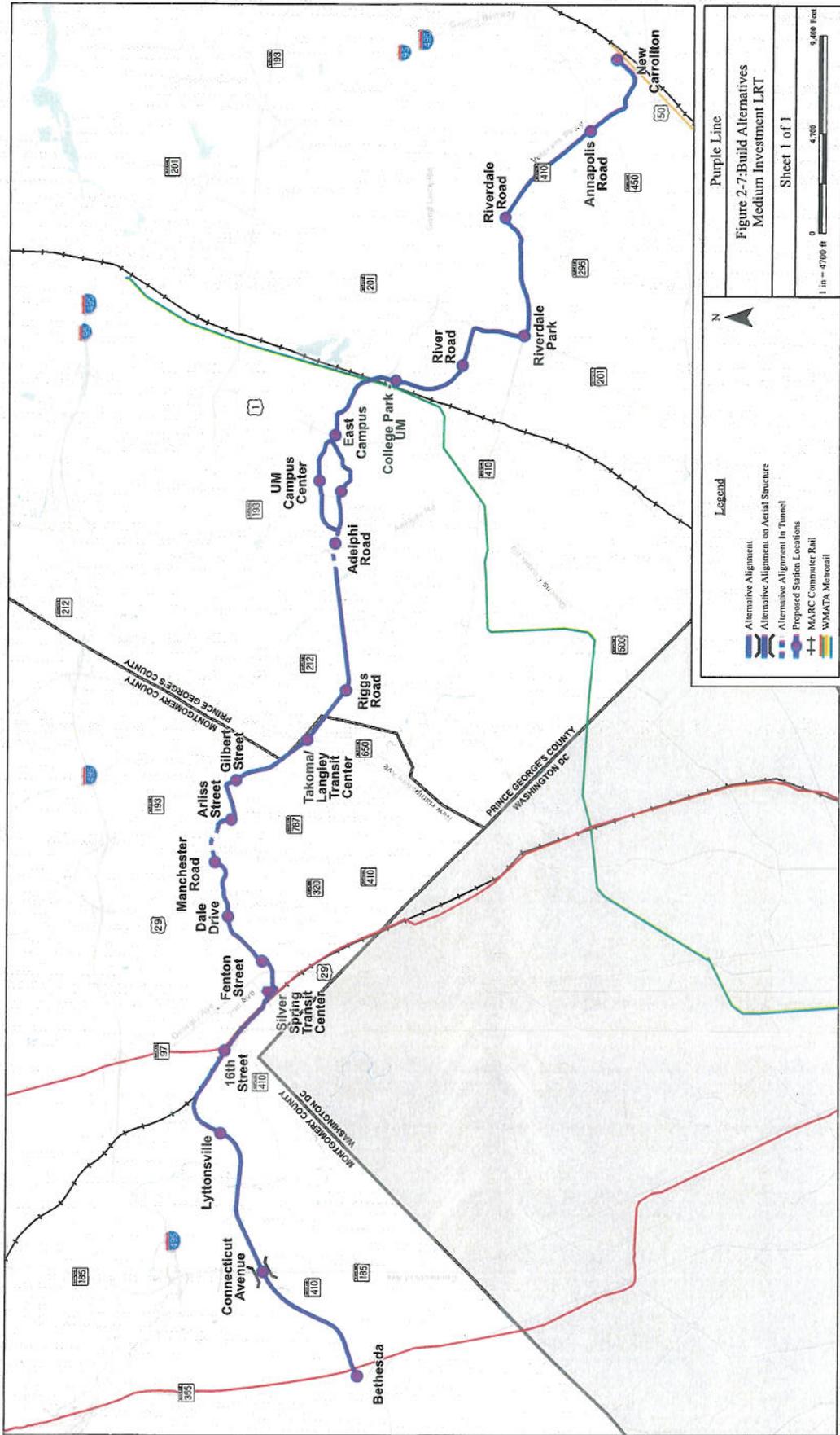


Purple Line Connections

Legend

- MARC Station
- Purple Line - Bethesda to New Carrollton
- Red Line - Glenmont to Shady Grove
- Orange Line - New Carrollton to Vienna/Fairfax-GMA
- Blue Line - Franconia-Springfield to Largo Town Center
- Green Line - Branch Avenue to Greenbelt
- Yellow Line - Huntington to Mt. Vernon Sq./7th St.-Convention Center





Purple Line

**Figure 2-7: Build Alternatives
Medium Investment LRT**

Sheet 1 of 1

Legend

- Alternative Alignment
- Alternative Alignment on Actual Structure
- Proposed Station Locations
- MARC Commuter Rail
- WMATA Metrorail

1 in = 4700 ft

0 4,700 9,400 Feet

CONSTRAINED LONG RANGE PLAN (CLRP)

Proposed Project or Action Description Form

1. Location and Jurisdiction:

Facility:

From/At: **Bethesda**

To: **New Carrollton**

Jurisdiction: **Montgomery County, Prince George's County**

2. Submitting Agency: **MDOT/Maryland Transit Administration**

Last Modified On: **5/13/2009**

3. Project Type and Description:

Transit

Description of project or action:

Preparation of Alternatives Analysis, Draft Environmental Impact Statement (DEIS) and Preliminary Engineering/Final Environmental Impact Assessment (FEIS) and New Starts Application. Construct the proposed Purple Line which will provide high-capacity transit along a 16-mile corridor that extends from Bethesda to the New Carrollton with connections to the Metrorail Red Line, Green Line and Orange Line as well as all three MARC lines, AMTRAK and regional and local bus services. The project includes approximately 21 stations with a forecasted daily ridership of 62,600. Of the daily ridership, approximately 19,200 riders will be new riders and translate into a net reduction of auto trips.

Bicycle/pedestrian accommodations included

4. Project Phasing:

| Project ID | In TIP | Improvement | Facility | From | To | #Lane | | Completion Date |
|------------|--------|-------------|----------|------|----|-------|----|-----------------|
| | | | | | | From | To | |
| 1042 | Yes | Construct | | | | | | 2017 |

5. Purpose / Contribution to regional goals:

6. Funding and Schedule Information:

Cost (In Thousands): **\$1,685,000.00**

Date of Completion or Implementation: **2017**

Source: **Federal, State**

Cost and Schedule Remarks: **The AA/DEIS is anticipated to be submitted to FTA by summer 2008; public hearings in fall, 2008. The Purple Line AA/DEIS was completed and submitted to FTA in September 2008. A 90-day public review period was completed on January 14, 2009. Four public hearings were held in November 2008 that yielded over 3000 comments. The County Councils and County Executives of both Montgomery and Prince George's Counties unanimously Maryland-National Capital Park and Planning Commissions in both counties endorsed the Medium Investment light rail alternative. Construction to begin to 2014 with services starting in 2017.**

7. CMS Documentation:

Is this a highway capacity-increasing project on a limited access or other principal arterial highway?: No

If yes, does this project require a CMS Documentation form under the given criteria?:

If not, please identify the criteria that exempt the project here:

[Return to Projects](#)

CONSTRAINED LONG RANGE PLAN (CLRP)

Proposed Project or Action Description Form

1. Location and Jurisdiction:

Facility: **MD 3 Robert Crain Highway**
 From/At: **US 50**
 To: **Anne Arundel County Line**
 Jurisdiction: **Prince George's County**

2. Submitting Agency: **MDOT/State Highway Administration**

Last Modified On: **12/3/2008**

3. Project Type and Description:

Primary

Description of project or action:

Study to upgrade MD 3 from US 50 to MD 32 to address safety and capacity concerns. Wide curb lanes and shoulders will accommodate bicycles.

Bicycle/pedestrian accommodations included

4. Project Phasing:

| Project ID | In TIP | Improvement | Facility | From | To | #Lane | | Completion Date |
|---------------|------------|--------------------|----------------------------------|--------------|---------------------------------|----------|----------|-----------------|
| | | | | | | From | To | |
| AT1981 | Yes | Widen Study | MD 3 Robert Crain Highway | US 50 | Anne Arundel County Line | 4 | 6 | 2020 |

5. Purpose / Contribution to regional goals:

6. Funding and Schedule Information:

Cost (In Thousands): ~~**\$212,659.00**~~

Date of Completion or Implementation: **2020**

Source: **Federal, State**

Cost and Schedule Remarks: **Project planning is expected to be complete by Summer 2009. Cost includes construction in Prince George's County only.**

7. CMS Documentation:

Is this a highway capacity-increasing project on a limited access or other principal arterial highway?: **Yes**

If yes, does this project require a CMS Documentation form under the given criteria?: **No**

If not, please identify the criteria that exempt the project here: **The project is an intersection reconstruction or other traffic engineering improvement, including replacement of an at-grade intersection with an interchange**

[Return to Projects](#)

APPENDIX B

DDOT's Amendment

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DISTRICT DEPARTMENT OF TRANSPORTATION



Transportation Policy and Planning Administration

April 23, 2009

Mr. Charles Jenkins
Chair
Transportation Planning Board
Metropolitan Washington Council of Governments
777 North Capitol Street, NE – Suite 300
Washington, DC 20002

Dear Mr. Jenkins and members of the TPB,

The District Department of Transportation (DDOT) requests an amendment to the FY 2009 Constrained Long Range Plan (CLRP) and the FY 2010 – 2015 Transportation Improvement Program (TIP) to include roadway changes related to an air rights development project above I-395 between Massachusetts Avenue, NW on the north and E Street, NW on the south. The east-west boundaries of the project are 3rd Street, NW on the west and 2nd Street, NW on the east. (See attached site photo.)

At the present time, this segment of I-395 (referred to as the “Center Leg Freeway”) sits in an open trench between the streets mentioned above. This trench currently interrupts both G Street, and F Street, NW. Thus there are about three city blocks between E Street and Massachusetts Avenue where there is no east-west surface transportation for vehicles, cyclists or pedestrians.

A private developer and the District of Columbia are proceeding with a proposal to develop the air rights above this trench. As part of this proposal, F Street will be reconnected for both vehicular and pedestrian traffic and G Street will be reconnected for pedestrians and cyclists. The developer has named the project “Return to L’Enfant” because it will partially recreate the street grid that was disrupted by the freeway’s construction. If the project can pass the various legal and economic requirements and procedures for a project of this type, then the new development (commercial, retail and some residential) combined with the reconnected street grid will add vitality to this area while facilitating greater walking, cycling and transit use. Both the location of this development and its green design and construction will make it a premier example of “smart growth.”

DDOT CLRP & TIP Amendment Request
April 23, 2009
Page Two

DDOT requests that the TPB follow a proposed schedule (attached) which was developed in cooperation with TPB staff for the purpose of introducing new projects into the FY 2009 CLRP and the FY 2010 – 2015 TIP. The proposed CLRP and TIP amendment sheets are attached for your review, with the understanding that the TPB would not take formal action on this proposal until June 17th when it would receive the results of the public comment period and decide whether to approve a scope of work for conformity testing associated with this proposed CLRP and TIP change.

DDOT appreciates your cooperation in this matter. If you have any questions regarding these proposed amendments, please contact me by e-mail at rick.rybeck@dc.gov or by phone at (202) 671-2325.

Sincerely,



Rick Rybeck
Deputy Associate Director
Transportation Policy & Planning Administration.

Attachments

cc Gabe Klein, DDOT Director
Karina Ricks, Associate Director, TPPA, DDOT
Kathleen Penney, Deputy Director, DDOT
Matthew Brown, Deputy Director, DDOT
Ron Kirby, Transportation Director, MWCOG

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

Page Two

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 style with a large, stylized "R" and "B".

Rick Rybeck
Deputy Associate Director

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 | |

Proposed for Amendment to the 2009 Update to the Constrained Long-Range Transportation Plan (CLRP)

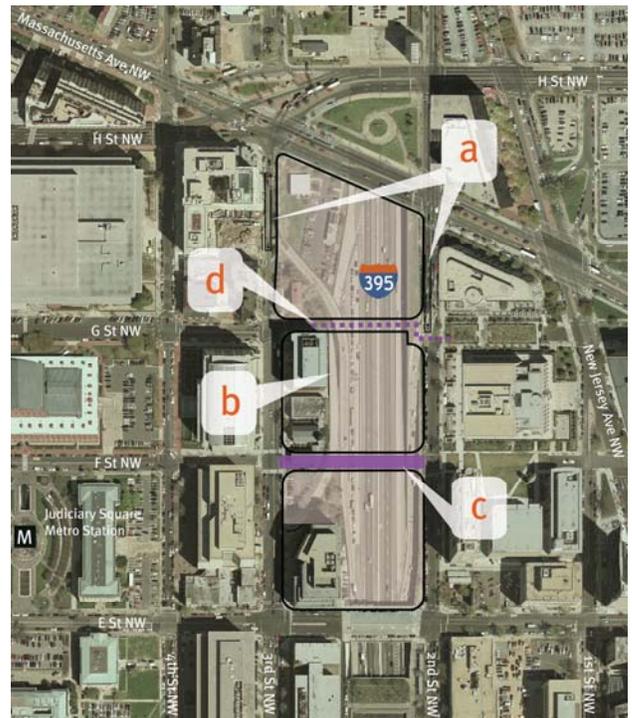
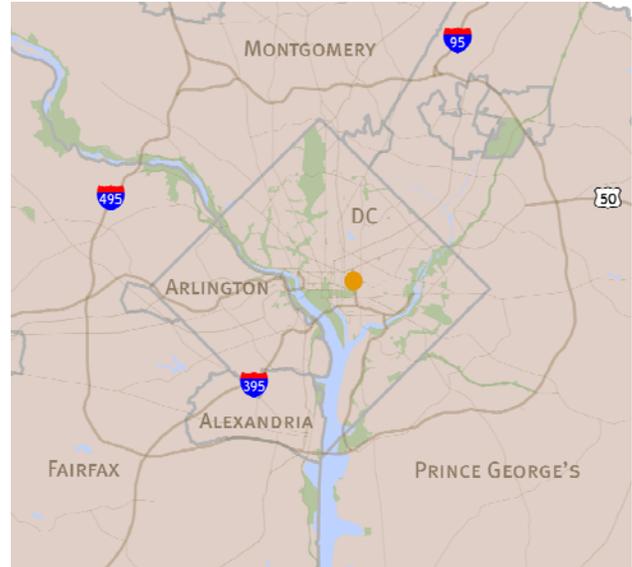


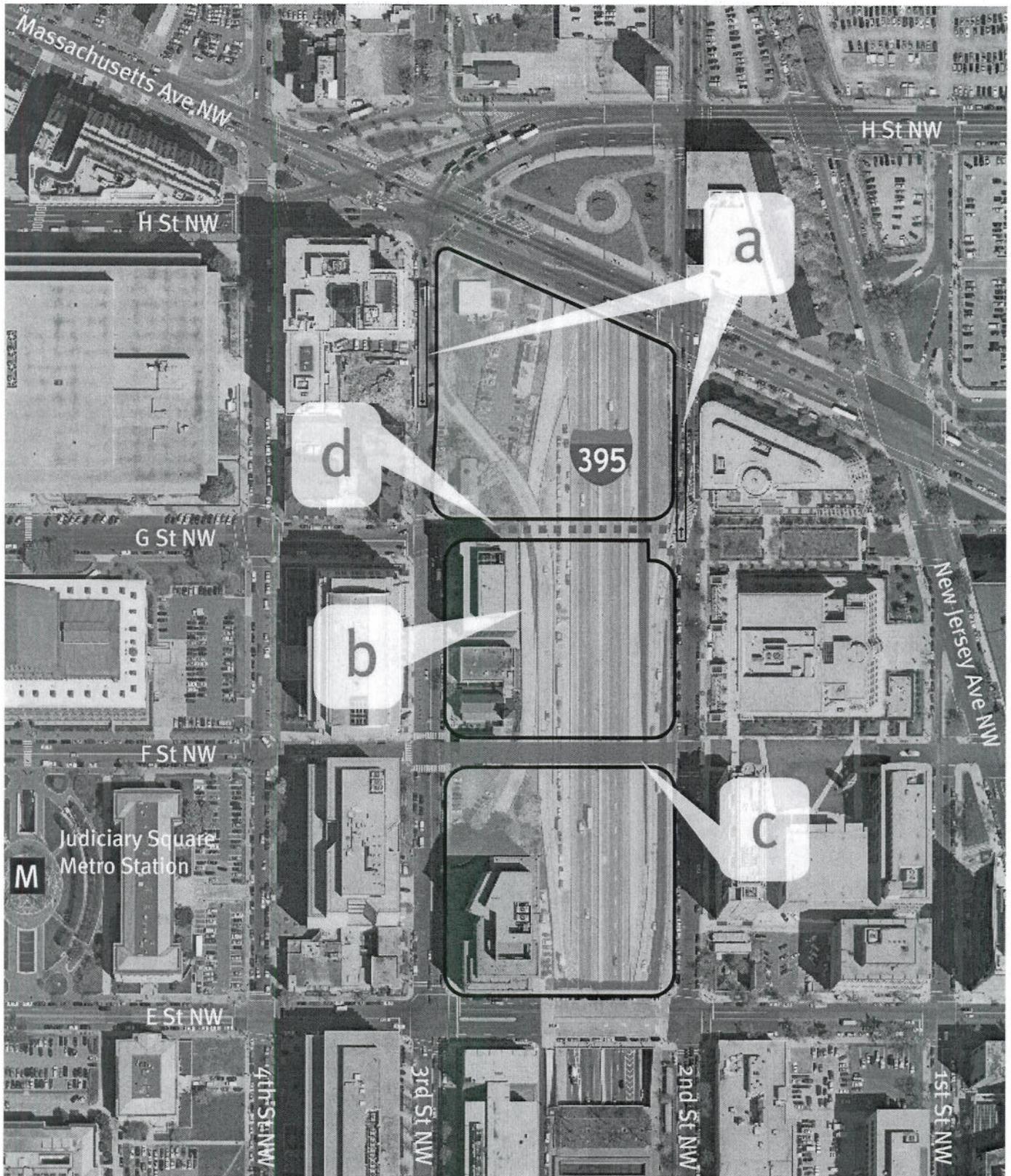
Return to L'Enfant: Modifications to I-395 between E St. and Massachusetts Ave. NW

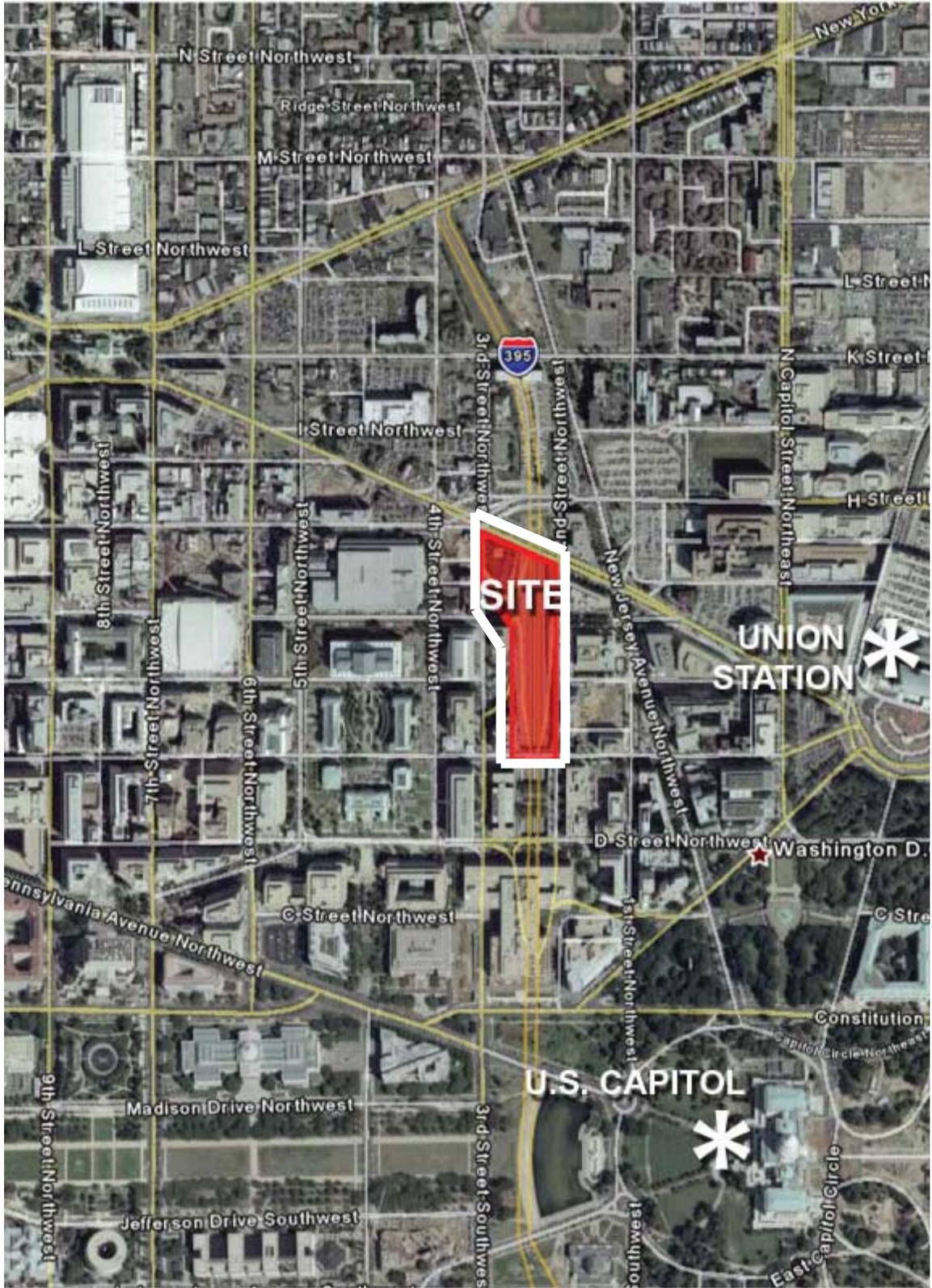
This project will make modifications to three on/off ramps from and to I-395, including the closure of a seldom-used off-ramp to the 400 block of 3rd St. NW. Once the ramp modifications are complete, the portion of I-395 between E St. and Massachusetts Ave. NW will be decked over and re-developed with a 2.3 million square foot mix of office, residential, retail, and public space.

- a. Reconfigure the southbound on-ramp from 3rd St. and northbound off-ramp to 2nd St.
- b. Close southbound off-ramp from I-395 to the 400 block of 3rd St.
- c. Reconnect F St. between 2nd and 3rd Streets for vehicular, bicycle, and pedestrian traffic.
- d. Reconnect G St. between 2nd and 3rd Streets for bicycle and pedestrian traffic

Complete: 2014
Cost: \$27 million
Source: Private funding







TRANSPORTATION IMPROVEMENT PROGRAM FOR FY 2010-2015 PROJECT DESCRIPTION FORM



BASIC PROJECT INFORMATION

1. Submitting Agency: **District Department of Transportation (DDOT)** Agency Project ID: _____

2. Project Name (from CLRP Project): **Return to L'Enfant**

3. Phase Name:

| | Prefix | Route | Name | Modifier |
|------------------|----------|------------|--|----------|
| 4. Facility: | I | 395 | Center Leg Freeway | |
| 5. From (_ at): | | | Massachusetts Avenue, NW | |
| 6. To: | | | E St., NW (Between 2nd and 3rd Streets, NW) | |

7. Agency Phase ID:

8. Description:

Return to L'Enfant is a planned unit development (PUD) encompassing the I-395 air rights between E Street and Massachusetts Avenue NW, and available terra firma pieces between 3rd Street NW and I-395. The projected development will cover the sunken I-395 highway with three city blocks and two new Rights of Way (ROWs) at G and F Streets NW, by means of an at-grade platform above the highway. The city blocks will have a total of 2.3 million square feet of office, residential, retail, and public space, with parking garage and service corridor below grade. By creating new building walls along the edges of G and F Streets, the development will demarcate and establish the L'Enfant plan vistas and reconnect the city grid by adding pedestrian and vehicular corridors.

Key transportation components of the project include the following items (*noted by letter when a question is applicable to individual aspects; otherwise, applicable to the entire project noted with "X"*):

- A.** Closure of the I-395 Southbound Exit Ramp to the 400 block of 3rd Street, NW
- B.** Reconnection of F Street, NW between 2nd and 3rd Streets, for vehicular, pedestrian and bicycle traffic
- C.** Reconnection of G Street, NW between 2nd and 3rd Streets, for bicycle and pedestrian traffic
- D.** Reconfiguration of the I-395 Southbound Entrance Ramp from the 600 block of 3rd Street, NW
- E.** Reconfiguration of the I-395 Northbound Exit Ramp to the 500 block of 2nd Street, NW

| Improvement | Facility Type | | Number of Lanes | | Environmental Review | Status |
|----------------------------|---------------|----|-----------------|----|----------------------|--------|
| | From | To | From | To | | |
| 9. Conformity Information: | | | | | | |

10. Bicycle or Pedestrian Accommodations: **("D", and "E")** Not Included; **("B" only)** Included; **("C" only)** Primarily a Bike/Ped Project; **("A" only)** N/A

11. Total Miles: **<1**

12. Project Manager: **John Makle**

13. E-Mail: **john.makle@dc.gov**

14. Project Information URL:

15. Projected Completion Year: **estimated: "A"-2010; "B"-2014; "C"-2014; "D"-2011; "E"-2013**

16. Actual Completion Year:

17. Project Status:

- New Project**
- In previous TIP, proceeding as scheduled
- In previous TIP, delayed or reprogrammed

TIP PROJECT DESCRIPTION FORM

Project is ongoing, year refers to implementation

Project is being withdrawn from TIP

18. Environmental Review

Type: PCE; CE; DEA; EA; FONSI; DEIS; FEIS; F4; N/A

Status: Proposed for preparation; Under preparation; Prepared for review; Under review; Approved

19. Capital Costs

| TRANSP. COMPONENT | FISCAL YEAR | AMOUNT | PHASE | SOURCE | FED | STA | LOC |
|-------------------|-------------|-------------|--------|---------|-----|-----|-----|
| "A-E" | '09-'10 | \$2,000,000 | Design | Private | | | |
| "A" | 2011 | \$132,000 | Constr | Private | | | |
| "B" | '11-'14 | \$8,570,000 | Constr | Private | | | |
| "C" | '11-'15 | \$4,040,000 | Constr | Private | | | |
| "D" | 2011 | \$5,940,000 | Constr | Private | | | |
| "E" | '11-'14 | \$5,980,000 | Constr | Private | | | |

(use the Tab button in the bottom right cell to create more lines in the table)

FINANCIALLY CONSTRAINED LONG-RANGE TRANSPORTATION PLAN FOR 2030 PROJECT DESCRIPTION FORM



BASIC PROJECT INFORMATION

1. Submitting Agency: **District Department of Transportation (DDOT)**
2. Secondary Agency:
3. Agency Project ID: _____
4. Project Type: Interstate Primary Secondary Urban Bridge Bike/Ped Transit CMAQ
 ITS Enhancement Other Federal Lands Highways Program
 Human Service Transportation Coordination TERMS
5. Category: System Expansion; System Maintenance; Operational Program; Study; Other
6. Project Name: **Return to L'Enfant**

| | Prefix | Route | Name | Modifier |
|------------------|----------|------------|--|----------|
| 7. Facility: | I | 395 | Center Leg Freeway | |
| 8. From (_ at): | | | Massachusetts Avenue, NW | |
| 9. To: | | | E St., NW (Between 2nd and 3rd Streets, NW) | |

10. Description:
Return to L'Enfant is a planned unit development (PUD) encompassing the I-395 air rights between E Street and Massachusetts Avenue NW, and available terra firma pieces between 3rd Street NW and I-395. The projected development will cover the sunken I-395 highway with three city blocks and two new Rights of Way (ROWs) at G and F Streets NW, by means of an at-grade platform above the highway. The city blocks will have a total of 2.3 million square feet of office, residential, retail, and public space, with parking garage and service corridor below grade. By creating new building walls along the edges of G and F Streets, the development will demarcate and establish the L'Enfant plan vistas and reconnect the city grid by adding pedestrian and vehicular corridors.

Key transportation components of the project include the following items (*noted by letter when a question is applicable to individual aspects; otherwise, applicable to the entire project noted with "X"*):

- A.** Closure of the I-395 Southbound Exit Ramp to the 400 block of 3rd Street, NW
- B.** Reconnection of F Street, NW between 2nd and 3rd Streets, for vehicular, pedestrian and bicycle traffic
- C.** Reconnection of G Street, NW between 2nd and 3rd Streets, for bicycle and pedestrian traffic
- D.** Reconfiguration of the I-395 Southbound Entrance Ramp from the 600 block of 3rd Street, NW
- E.** Reconfiguration of the I-395 Northbound Exit Ramp to the 500 block of 2nd Street, NW

11. Projected Completion Date: estimated: "A"-2010; "B"-2014; "C"-2014; "D"-2011; "E"-2013
12. Project Manager: **John Makle**
13. Project Manager E-Mail: john.makle@dc.gov
14. Project Information URL:
15. Total Miles: **<1**
16. Schematic:
17. Documentation:

CLRP PROJECT DESCRIPTION FORM

18. Bicycle or Pedestrian Accommodations: (**"D", and "E"**) Not Included; (**"B" only**) Included; (**"C" only**) Primarily a Bike/Ped Project; (**"A" only**) N/A
19. Jurisdictions: **District of Columbia, Ward 6**
20. Total cost (in Thousands): **preliminary estimate - \$27,000 ("A"–"E" design and construction)**
21. Remaining cost (in Thousands):
22. Funding Sources: Federal; State; Local; Private; Bonds; Other

SAFETEA-LU PLANNING FACTORS

23. Please identify any and all planning factors that are addressed by this project:
- Support the **economic vitality** of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.
 - Increase the **safety** of the transportation system for all motorized and non-motorized users.
 - Is this project being proposed specifically to address a safety issue? Yes; No
 - If yes, briefly describe (in quantifiable terms, where possible) the nature of the safety problem:
 - "B" and "C" only** Increase the ability of the transportation system to support **homeland security** and to safeguard the personal security of all motorized and non-motorized users.
 - "B" and "C" only** Increase **accessibility and mobility** of people and freight.
 - Protect and enhance the **environment**, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.
 - "B" and "C" only** Enhance the **integration and connectivity** of the transportation system, across and between modes, for people and freight.
 - "B", "C" and "D"** Promote efficient system **management and operation**.
 - "B", "C", "D" and "E"** Emphasize the **preservation** of the existing transportation system.

ENVIRONMENTAL MITIGATION

24. Have any potential mitigation activities been identified for this project? Yes; No
- If yes, what types of mitigation activities have been identified?
 Air Quality; Floodplains; Socioeconomics; Geology, Soils and Groundwater; Vibrations;
 Energy; Noise; Surface Water; Hazardous and Contaminated Materials; Wetlands

CONGESTION MANAGEMENT INFORMATION

25. Do traffic congestion conditions necessitate the proposed project? Yes; No
- If so, is the congestion recurring or non-recurring? Recurring; Non-recurring
 - If the congestion is on another facility, please identify it:
 - What is the measured or estimated Level of Service on this facility? ____ ; Measured; Estimated
26. Is this a capacity-increasing project on a limited access highway or other principal arterial? Yes; No
- If yes, does this project require a Congestion Management Documentation form under the given criteria (see page 34 of the *Call for Projects* document)? Yes; [Click here to access a Congestion Management Documentation Form](#).
 - If not, please identify the criteria that exempt the project here:
 The number of lane-miles added to the highway system by the project totals less than 1 lane-mile
"B", "C" and "D" The project is an intersection reconstruction or other traffic engineering improvement, including replacement of an at-grade intersection with an interchange
 The project will not allow motor vehicles, such as a bicycle or pedestrian facility
 The project consists of preliminary studies or engineering only, and is not funded for construction

CLRP PROJECT DESCRIPTION FORM

- The project received NEPA approval on or before April 6, 1992
- The project was already under construction on or before September 30, 1997, or construction funds were already committed in the FY98-03 TIP.
- The construction costs for the project are less than \$5 million.
- The project will not use any Federal funds in any phase of development or construction.

INTELLIGENT TRANSPORTATION SYSTEMS

27. Is this an Intelligent Transportation Systems (ITS) project as defined in federal law and regulation, and therefore subject to Federal Rule 940 Requirements? Yes; No
- a. If yes, what is the status of the systems engineering analysis compliant with Federal Rule 940 for the project? Not Started; Ongoing, not complete; Complete
- b. Under which Architecture:
- DC, Maryland or Virginia State Architecture
 - WMATA Architecture
 - COG/TPB Regional ITS Architecture
 - Other, please specify:
28. Completed Date:
29. Project is being withdrawn from the CLRP.
30. Withdrawn Date:
31. Record Creator:
32. Created On:
33. Last Updated by:
34. Last Updated On:
35. Comments

APPENDIX C

Scope of Work

June 17, 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

June 17, 2009

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

SCHEDULE

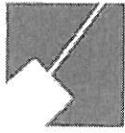
| | |
|------------------------|--|
| May 1, 2009 | TPB Technical Committee briefed on proposed amendments |
| May 14, 2009 | Project descriptions and conformity analysis scope of work released for public comment |
| *May 20, 2009 | TPB briefed on proposed amendments and conformity analysis scope of 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 |

APPENDIX D

Round 7.2A Cooperative Forecast Correspondence



MONTGOMERY COUNTY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

June 17, 2009

Paul DesJardin, Director
Department of Community Planning and Services
Metropolitan Washington Council of Governments
777 North Capitol Street, NE Suite 300
Washington, D. C. 20002

Dear Mr. DesJardin:

The Montgomery County Planning Department has evaluated the Round 7.2 Cooperative Forecasts and submits the following revisions as part of Round 7.2a. These revisions are being submitted as the Transportation Planning Board considers the inclusion of the Purple Line from Bethesda to New Carrollton in the Region's Constrained Long-Range Transportation Plan.

The extension of the Purple Line from the Silver Spring CBD east to New Carrollton will put more of the Region's households within a reasonable commuting time to existing or potential work locations in Montgomery County. The Planning Department encourages mixed-use commercial and housing development at or near transit stations. For Round 7.2a, we find that the timing of planned development will be accelerated at the following transit stations: Chevy Chase Lakes, Fenton Village, Long Branch, and Takoma/Langley. We have consulted with our colleagues in Prince George's County and believe our projections to be consistent with the overall objectives and expectations of both Counties with respect to the Purple Line.

Round 7.2a shows an increase of 3,000 jobs between 2020 and 2030. The job growth beyond 2030 remains the same as the job growth in Round 7.2; therefore the 2040 employment is 3,000 higher than Round 7.2.

Round 7.2a shows an increase of 400 households between 2020 and 2030. The household growth between 2035 and 2040 is reduced by 400 households compared to Round 7.2. The number of households in 2040 is the same in both forecasts.

Round 7.2a population increases by 1,000 between 2020 and 2030. The population growth between 2035 and 2040 is reduced by 1,000 compared to Round 7.2. The population in 2040 is the same in both forecasts.

The Purple Line is scheduled to be operational in 2017. Round 7.2a forecasts growth associated with the Purple Line occurring between 2020 and 2030 as we feel it will take a few years after the Purple Line is operational for growth to occur in the areas examined as part of our analysis.

A summary of our updated forecasts is presented in the attached table. Please do not hesitate to contact Wayne Koempel of our Research Division at 301-650-5618 should you have any questions related to this submittal.

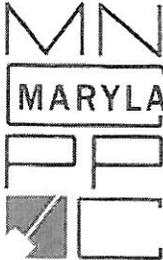
Sincerely,

A handwritten signature in cursive script that reads "Rollin Stanley".

Rollin Stanley
Planning Director

Montgomery County - Round 7.2a

| Year | Population | Households | Employment |
|------|------------|------------|------------|
| 2005 | 929,100 | 347,000 | 500,000 |
| 2010 | 966,000 | 362,000 | 510,000 |
| 2015 | 1,025,000 | 386,000 | 547,000 |
| 2020 | 1,075,000 | 408,000 | 590,000 |
| 2025 | 1,113,500 | 425,200 | 631,500 |
| 2030 | 1,142,000 | 440,400 | 673,000 |
| 2035 | 1,161,000 | 451,400 | 703,000 |
| 2040 | 1,174,000 | 460,000 | 723,000 |



THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

Prince George's County Planning Department
Office of the Planning Director

14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20772
TTY: (301) 952-4366
www.mncppc.org/pgco
301-952-3595

June 17, 2009

Mr. Paul DesJardin, Chief of Housing and Planning
Department of Human Services, Planning, and Public Safety
Metropolitan Washington Council of Governments
777 North Capitol Street, N.E., Suite 3000
Washington, D.C. 20002-4239

Dear Mr. DesJardin:

This letter transmits Prince George's County's Round 7.2A Cooperative Forecast. The Round 7.2A for Prince George's County incorporates changes to the prior Round 7.2 forecast and reflects the proposed amendment to include the Purple Line in the 2009 Constrained Long Range Plan. This round contains only minor changes to the prior round, which was submitted last year, because the previous forecast for Prince George's County largely accounted for the Purple Line. The Planning Department used the opportunity of Round 7.2A to make adjustments to Round 7.2 because the proposed amendment to the 2009 CLRP increases the likelihood of the Purple Line.

Round 7.2A Cooperative Forecast for Prince George's County

| | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Dwelling Units | 323,026 | 335,423 | 349,173 | 363,159 | 375,612 | 386,892 | 394,782 | 399,426 |
| Households | 306,014 | 317,881 | 331,243 | 344,789 | 356,841 | 367,834 | 375,627 | 380,375 |
| Population | 849,333 | 872,014 | 899,192 | 924,788 | 945,710 | 966,852 | 985,064 | 995,372 |
| Employment | 347,885 | 362,886 | 379,393 | 399,211 | 424,429 | 454,932 | 488,946 | 524,292 |

Questions regarding this information should be directed to either Ms. Jacqueline Philson or Mr. Joseph Valenza of our Research Section at 301-952-3065.

Sincerely,



Fern Piret
Planning Director

c: John Funk, Chief, Countywide Planning Division
Jacqueline Philson, Planning Supervisor, Research Section
Joseph Valenza, Master Planner, Research Section