ITEM 9 - Information

December 15, 2004

Briefing on Draft Results of the 8-hour Air Quality Conformity
Assessment of the
2004 Constrained Long Range Plan (CLRP) and
FY2005-2010 Transportation Improvement Program (TIP)

Staff

Recommendation: Receive briefing on the draft results of the 8-

hour air quality conformity assessment of the

2004 CLRP and the FY 2005-2010 TIP.

Issues: None

Background: At the September 15 meeting, the Board was

briefed on new air quality conformity

requirements for the Washington region under

the EPA's 8-hour ozone rule which was published in the *Federal Register* on July 1, 2004. At the October 20 meeting, the Board approved the 2010 project submissions and scope of work for the 8-hour conformity

assessment of the 2004 CLRP and FY 2005-

2010 TIP.

The draft results of the 8-hour conformity assessment of the 2004 CLRP and FY 2005-2010 TIP were released for public comment at the Citizens Advisory Committee meeting on December 9, 2004. The 30-day public comment period on these results will end on January 9, 2005. The Board will be asked to review the public comments and approve the 8-hour conformity determination at its January 19, 2005 meeting.

MEMORANDUM

December 8, 2004

To: Transportation Planning Board

From: Michael J. Clifford

Systems Planning Applications Director

Subject: Draft Results of the 8-Hour (ozone standard) Air Quality Conformity

Assessment of the 2004 Constrained Long Range Plan (CLRP) and the

FY2005-2010 Transportation Improvement Program (TIP)

INTRODUCTION

This memo transmits draft summary results of the 8-hour air quality conformity assessment of the 2004 CLRP and the FY2005-2010 TIP (full report is attached). While the CLRP and TIP were subject to an air quality conformity assessment approved by the TPB on November 17, 2004, that assessment reflected requirements associated with the 1-hour ozone standard. On April 15, 2004 EPA designated the Washington, DC-MD-VA area as 'moderate' nonattainment for the 8-hour standard, and on July 1, 2004 EPA published the final rule for transportation conformity associated with the 8-hour ozone standard. (The 8-hour ozone standard, 0.08 parts per million (ppm) averaged over 8 hours, replaces the 1-hour standard of 0.12 ppm measured in hourly increments, in place since 1979.) EPA requirements include that the TPB demonstrate conformity to the new rule by June 15, 2005 or face a conformity lapse, i.e., limitations on transportation projects which may proceed toward implementation. These additional requirements, which became effective while the 1-hour conformity assessment was in mid-stream, led to this supplemental air quality analysis of the plan and program.

METHODS

The scope of work for this analysis, approved by the TPB at its October 20, 2004 meeting, involved technical methods and criteria consistent with the 1-hour air quality assessment. The final report includes a 2010 analysis to reflect the new attainment year for moderate areas, and the 2005, 2015, 2025 and 2030 analysis years based on the earlier 1-hour conformity work approved by the TPB on November 17, 2004. Staff executed the work tasks consistent with the latest models and methods, i.e., COG's Round 6.4A Cooperative Forecasts, TPB's Version 2.1D #50 travel demand model, and EPA's Mobile6.2 emissions factor model.

Conformity assessment criteria for the 8-hour standard provided in the July 1, 2004 final rule call for use of the existing 1-hour mobile source emissions budgets on an 'interim' basis. This interim period will continue until state air quality implementation plan (SIP) activities determine emissions reduction requirements to attain the 8-hour standard, and establish new mobile emissions budgets for inclusion in the air quality plans for meeting this 8-hour standard.

RESULTS

The 8-hour conformity assessment includes the estimation of 2010 travel demand conditions along with the previous forecast year results. Exhibits 1 and 2 present volatile organic compound (VOC) and nitrogen oxide (NOx) emissions, respectively. The exhibits show that mobile emissions are well below the mobile budgets for each pollutant. Therefore, the analytical results described in this air quality assessment provide a basis for a determination by the TPB of conformity of the 2004 CLRP and the FY2005-2010 TIP with respect to 8-hour ozone requirements.

It is emphasized that the 'interim' budget test provided in this report compares 2010 emissions (and beyond) with 2005 budget levels. Emissions levels associated with attainment of the 8-hour ozone standard in the attainment year of 2010 have not yet been addressed.

NEXT STEPS

These results have been released for 30 day public comment and interagency consultation. Following receipt of and response to comments, TPB approval action is scheduled for January 19, 2005. This schedule will provide for advancing the required assessment for federal action well in advance of the conformity lapse deadline of June 15, 2005.

Following: Exhibits 1,2

Attached report

EXHIBIT 1
Mobile Source VOC Emissions
Metropolitan Statistical Area
2004 CLRP and FY 2005-2010 TIP

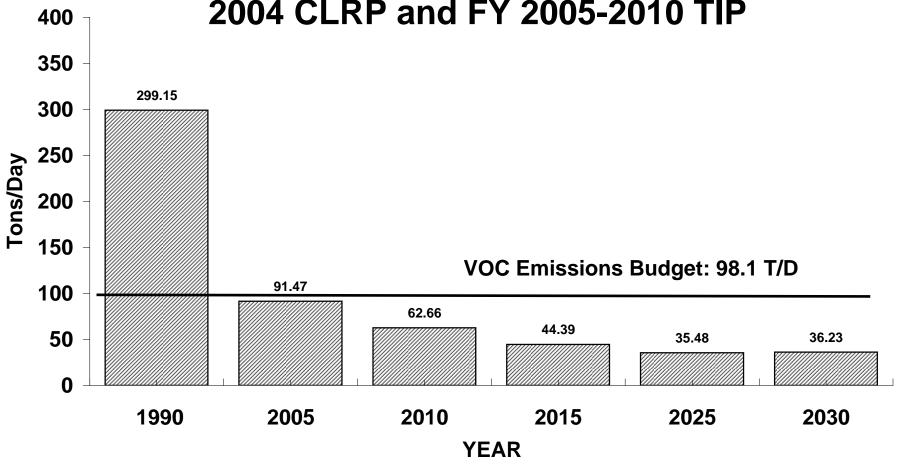
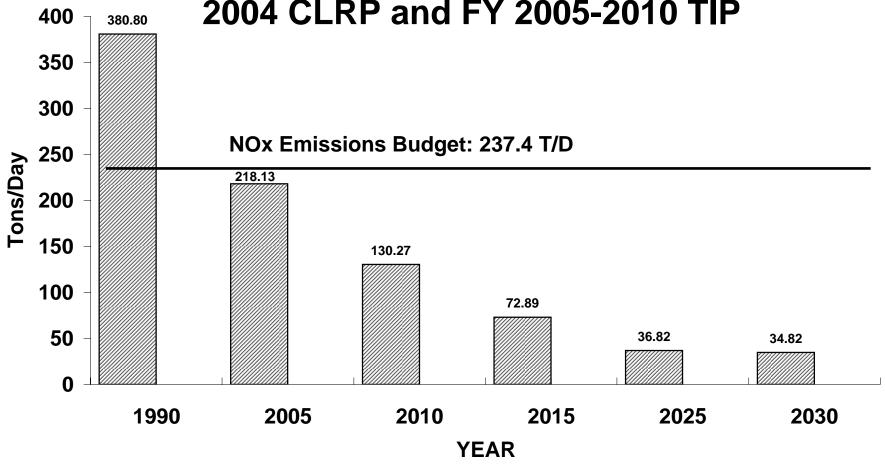


EXHIBIT 2 Mobile Source NOx Emissions Metropolitan Statistical Area 2004 CLRP and FY 2005-2010 TIP



8-HOUR OZONE STANDARD CONFORMITY ASSESSMENT

Supplement to the Air Quality Conformity Assessment of the 2004 Constrained Long Range Plan Amendments and FY2005-2010 Transportation Improvement Program

INTRODUCTION

This memo documents the results of the 8-hour ozone standard air quality conformity assessment of the 2004 Constrained Long Range Plan (CLRP) and the FY2005-2010 Transportation Improvement Program (TIP). This supplements the technical report, <u>Air Quality Conformity Determination Of The 2004 Constrained Long Range Plan And The FY2005-2010 Transportation Improvement Program For The Washington Metropolitan Region (November 17, 2004), which addressed carbon monoxide and the 1-hour ozone standard. As assessment criteria for the 8-hour standard include the analysis of a 2010 forecast year in addition to the milestone years previously analyzed for the 1-hour standard (2005, 2015, 2025 and 2030), technical methods are consistent with that earlier work and documentation for this supplemental analysis simply adds the 2010 forecast year results to those obtained in the November 17, 2004 report. Specifically, the land activity, travel, emissions factor and mobile source emissions data obtained in that work are reported here together with the 2010 results to produce a comprehensive, standalone report for the 8-hour conformity assessment.</u>

BACKGROUND

On April 15, 2004 the Environmental Protection Agency (EPA) designated the Washington, DC-MD-VA area "moderate" nonattainment for the 8-hour ozone standard. The 8-hour ozone standard, 0.08 parts per million (ppm), averaged over eight hours, replaces the 1-hour standard of 0.12 ppm, measured in hourly increments, that has been in place since 1979.

On July 1, 2004 the EPA published the final rule for the transportation conformity under the new 8-hour ozone standard. For the Washington, DC-MD-VA non-attainment area the 8-hour non-attainment boundary is smaller than the 1-hour boundary, since Stafford County has been removed from the Washington non-attainment area for the 8-hour standard. In these circumstances EPA's conformity rule provides an option for conducting a conformity analysis prior to the setting of new mobile budgets under the 8-hour standard; the approach allows using the existing 1-hour budgets, retaining Stafford County in both the budgets and mobile emissions estimates. The TPB, with concurrence from the Metropolitan Washington Air Quality Committee (MWAQC), opted to perform the 8-hour conformity analysis in this manner. Correspondence between the Transportation Planning Board (TPB) and MWAQC, relating to this, is included as Attachment A in this report.

The 8-hour ozone standard for a "moderate" area requires an analysis of the 2010 attainment year, in addition to the milestone years covered under the 1-hour conformity assessment. The region must demonstrate, by June 15, 2005, that the plan and program conform to the new 8-hour requirements or suffer a lapse. Because the conformity requirements for this analysis were not specified when COG/TPB staff developed the original scope of work for the air quality conformity assessment of the 2004 CLRP and the FY2005-2010 TIP, a supplemental work plan

was developed and approved. This scope of work is included as Attachment B.

WORK ACTIVITIES

Technical work activities for the supplemental conformity assessment of the 2004 CLRP and FY2005-2010 TIP included the preparation of volatile organic compound (VOC) and nitrogen oxide (NOx) emissions inventories for the 2010 forecast year. Consistent with the analysis of the 2005, 2015, 2025, and 2030 forecast years in the full report, staff used the following technical inputs for this analysis: Round 6.4A Cooperative Forecasts; the Version 2.1D Travel Demand Model utilizing the new project submissions, and reflecting updated transit service and higher transit fares recently enacted by several transit operators in the region; EPA's Mobile6.2 Emissions Factor Model; and a refined Mobile Emissions Post-Processor using latest travel demand and mobile emissions planning assumptions. This report presents the results of the supplemental conformity analysis, as follows.

2010 Network Inputs

Because the development of a 2010 network was not anticipated when COG/TPB staff solicited the original inputs for the 2004 CLRP and the FY2005-2010 TIP, TPB staff requested that the implementing agencies review inputs to ensure the accuracy of project completion dates for 2010. This review resulted in the development of an updated conformity table that shows projects with completion dates between 2006 and 2010. This table, shown as Attachment C, was reviewed by the TPB Technical Committee, and approved by the TPB at its October 20, 2004 meeting. The initial conformity analysis of the 2004 CLRP and FY2005-10 TIP (1-hour ozone standard) included tests of two different alignments (a master plan and a northern alignment) of the Intercounty Connector (ICC) in Maryland. Prior to the adoption of the CLRP / TIP by the TPB in November, MDOT selected the master plan alignment as the 'placeholder' for subsequent planning purposes (see MDOT's letter in Attachment D). Accordingly, the networks applied in this supplemental conformity assessment consisted of only the ICC master plan alignment.

Land Activity Forecasts

On September 8, 2004 COG's Metropolitan Development Policy Committee approved Round 6.4A Cooperative Forecasts to be used for testing purposes in analysis of the CLRP and TIP. Consistent with the 1-hour conformity assessment, staff applied these land activity forecasts in the travel forecasting process for 2010 conditions. The Round 6.4A data reflect not only the forecast small area land use distributions throughout the Washington area, but also the latest planning assumptions for areas outside the Washington region. For example, the Baltimore land use input to Round 6.4A reflects the Baltimore Metropolitan Council's 'Round 6' adopted figures, whereas their previous input to the COG Round 6.3 forecasts was their 'Round 5D' figures.

Travel Modeling Process

Using the Version 2.1D model, COG/TPB staff prepared travel demand forecasts for each of the required forecast years. Exhibit 1 presents the geographic areas for modeling and for non-attainment reporting purposes. Exhibit 2 presents the resulting transit trips, vehicle trips, and

vehicle miles traveled (VMT) results through time for each conformity analysis year. Exhibit 3 presents the VMT statistics in bar chart form, showing the 2010 estimates as well as the previously developed forecast year estimates. The chart also compares the estimates to last year's totals for each forecast year to illustrate the changes in travel demand attributable to use of the revised model. VMT values are seen to be about 6 to 7 percent lower with the latest model, consistent with the base year 2000 model validation results.

Emissions Factors

COG/DTP staff, in conjunction with COG Department of Environmental Programs staff and with the consultant assistance of E.H. Pechan and Associates, developed the motor vehicle emissions factors through the use of EPA's Mobile6.2 emissions factor model. (See Appendix D of the November 17, 2004 technical report for model inputs and other details of the emissions factor development.) These rates for each pollutant, shown using Montgomery County freeway data as an illustration in Exhibits 4 and 5 for VOC and NOx, respectively, were developed following execution of the model in one mph speed increments, by jurisdiction, for each analysis year. Again, 2010 data have been added to the previous exhibits to show all milestone year results. The charts show significantly reduced rates through time, primarily due to the impacts of having cleaner vehicles in the fleet.

Emissions Analyses

Staff applied the Mobile6.2 emissions factors to the travel demand forecasts to prepare mobile source emissions inventories for the 2010 forecast year. Emissions results for all milestone years are summarized in Exhibit 6 and indicate VOC and NOx emissions for network and off-network components. The totals for 2010 are 62.66 tons/day for VOC, and 130.27 tons/day for NOx. The table shows dramatic reductions between 2005, 2010, and 2015, and further reductions thereafter with emissions leveling off at about 35 tons per day for both pollutants. The results reflect the impact of the cleaner fleet (continuing fleet turnover) and related programs, with slowing VMT growth rates through time. Net emissions for each forecast year are shown as the bottom line of the summary table. Emissions reductions associated with the TCMs included in the SIP for 2005 are also listed. Mobile source emissions are seen to be substantially less than the mobile budgets in 2010, as well as in all other forecast years. Exhibits 7 and 8 present these VOC and NOx results in a graphical format. In recognition of the fact that estimated emissions are within the mobile source budget for each pollutant, no additional transportation emissions reduction measures are required to demonstrate conformity.

SUMMARY

This report documents the technical methods and results of plan and program conformity analysis with respect to the 8-hour ozone standard. The analytical results described in this air quality assessment provide a basis for a determination by the TPB of conformity of the 2004 CLRP and the FY2005-2010 TIP, with the July 2004 transportation conformity regulations and all other requirements of the Clean Air Act Amendments of 1990.

Following: Exhibits 1-8

Attachments A-D

EXHIBIT 1

Washington, D.C. - Maryland - Virginia Modeled Area and Metropolitan Statistical Area

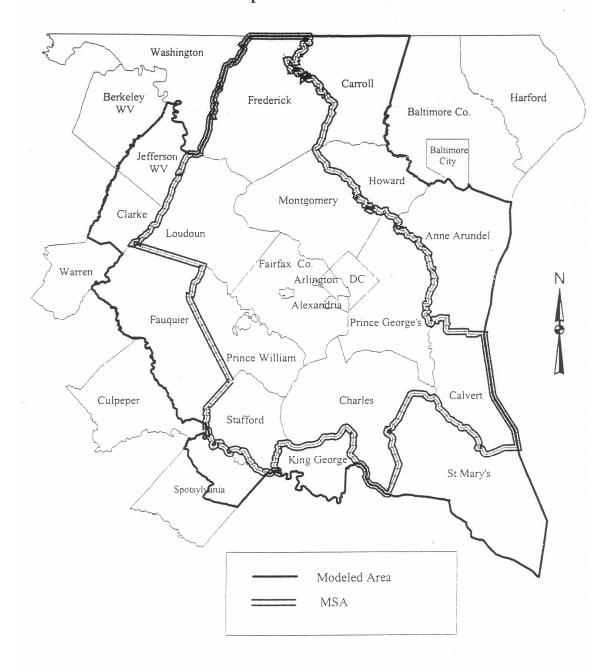


Exhibit 2 Travel Demand Summary Modeled Area Trips and Vehicle Miles Traveled (000's)

| | <u>2005</u> | <u>2010</u> | <u>2015</u> | <u>2025</u> | <u>2030</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|
| Transit Trips | 937.9 | 1,004.2 | 1,124.3 | 1,199.4 | 1,211.6 |
| Vehicle Trips | 20,603.3 | 22,235.0 | 23,509.3 | 25,801.7 | 26,802.0 |
| VMT | 156,286.3 | 169,294.6 | 181,797.9 | 203,344.6 | 213,139.5 |

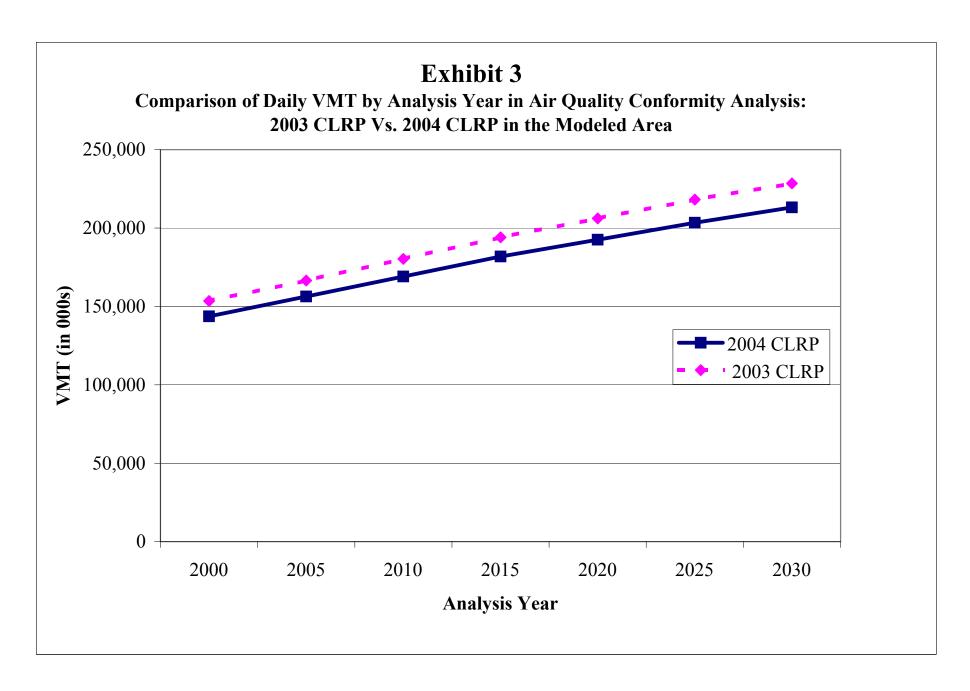


Exhibit 4
TOTAL 2000-2030 VOC COMPOSITE MOBILE6.2 RUNNING
EMISSION RATES FOR MONTGOMERY COUNTY
FREEWAY

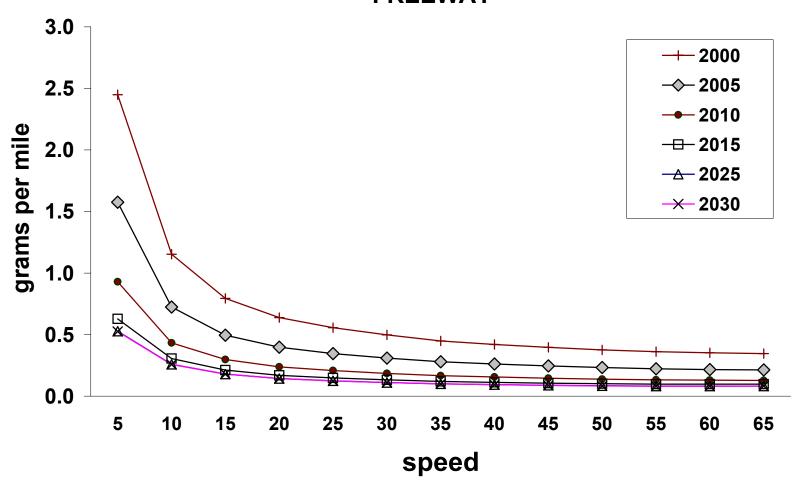


Exhibit 5
TOTAL 2000-2030 NOx COMPOSITE MOBILE6.2 RUNNING
EMISSION RATES FOR MONTGOMERY COUNTY

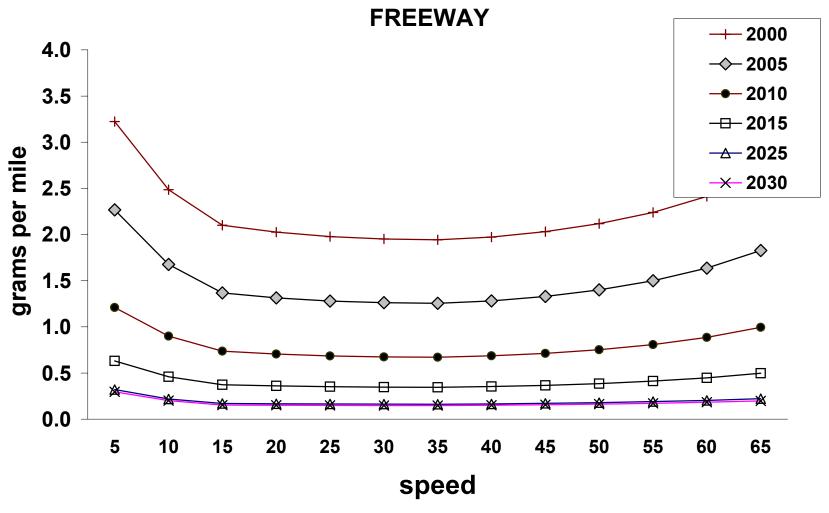


EXHIBIT 6

AIR QUALITY CONFORMITY

Summary Table - MSA

Mobile Emissions Inventories for 2004 CLRP and FY 2005-2010 TIP

(Tons/Day)

| | 20 | 05 | 20 | 10 | 20 | 15 | 20 | 25 | 20 | 30 |
|----------------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| | VOC | NOx | VOC | NOx | VOC | NOx | VOC | NOx | VOC | NOx |
| I Network | | | | | | | | | | |
| Start | 17.64 | 11.09 | 11.07 | 6.89 | 8.14 | 4.69 | 6.56 | 2.61 | 6.49 | 2.40 |
| Running | 40.85 | 186.11 | 26.66 | 109.77 | 20.28 | 60.34 | 18.51 | 31.07 | 19.05 | 29.44 |
| Soak | 11.45 | | 9.56 | | 5.97 | | 3.85 | | 3.95 | |
| II Off-Network | | | | | | | | | | |
| Diurnal | 2.82 | | 2.06 | | 1.27 | | 0.71 | | 0.75 | |
| Resting Loss | 10.56 | | 7.97 | | 4.66 | | 2.19 | | 2.28 | |
| Local Roads | 6.79 | 9.16 | 4.48 | 5.63 | 3.25 | 3.40 | 2.96 | 2.14 | 3.03 | 2.10 |
| School Buses | 0.38 | 5.49 | 0.28 | 3.76 | 0.21 | 1.82 | 0.16 | 0.27 | 0.17 | 0.27 |
| Transit Buses | 0.27 | 5.55 | 0.12 | 3.86 | 0.12 | 2.05 | 0.12 | 0.35 | 0.12 | 0.25 |
| Auto Access | 1.00 | 1.43 | 0.67 | 0.85 | 0.51 | 0.57 | 0.43 | 0.39 | 0.40 | 0.36 |
| Total | 91.77 | 218.83 | 62.86 | 130.76 | 44.39 | 72.89 | 35.48 | 36.82 | 36.23 | 34.82 |

| TCMs | -0.30 | -0.70 | -0.20 | -0.49 |
|------------------|-------|--------|-------|--------|
| Net Emissions | 91.47 | 218.13 | 62.66 | 130.27 |
| | | | | |
| Mobile Emissions | | | | |
| Budgets: | 98.10 | 237.40 | 98.10 | 237.40 |
| | | | | |
| Budget Adherence | | | | |
| Margin: | 6.63 | 19.27 | 35.44 | 107.13 |

EXHIBIT 7
Mobile Source VOC Emissions
Metropolitan Statistical Area
2004 CLRP and FY 2005-2010 TIP

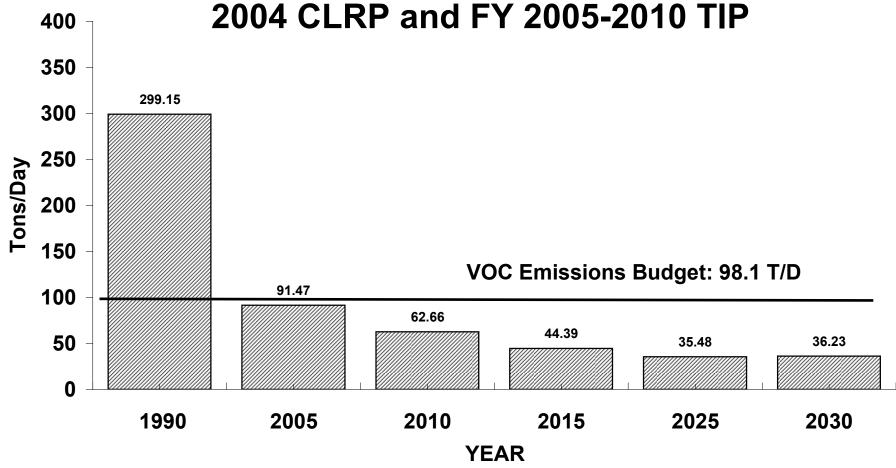
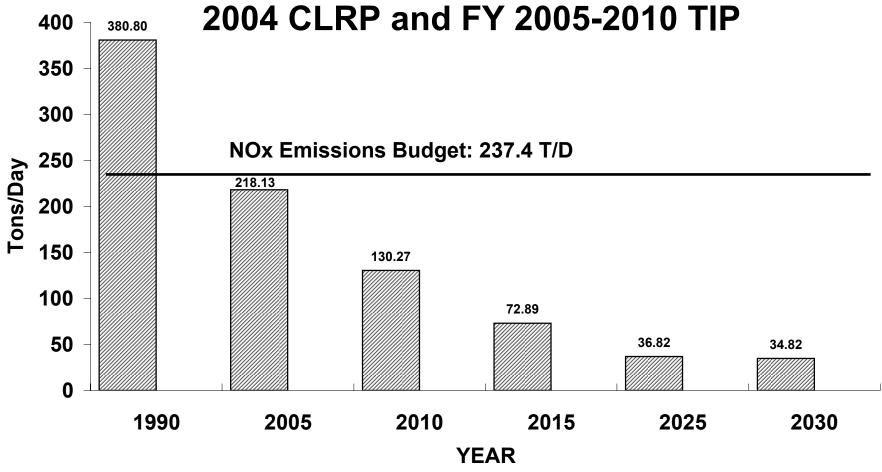


EXHIBIT 8 Mobile Source NOx Emissions Metropolitan Statistical Area 2004 CLRP and FY 2005-2010 TIP



ATTACHMENT A

September 15, 2004

The Honorable Thomas Dernoga Chairman Metropolitan Washington Air Quality Committee (MWAQC) Metropolitan Washington Council of Governments 777 N. Capitol Street, N.E. Washington, D.C. 20002

Dear Mr. Dernoga:

As you are aware, the final rule regarding air quality conformity requirements for the 8-hour ozone standard was published in the July 1, 2004 Federal Register. These new regulations affect the air quality conformity planning responsibilities of the National Capital Region Transportation Planning Board (TPB). Specifically, the TPB must demonstrate that its plans and programs adhere to conformity requirements with respect to the new standards by June 15, 2005 or face a conformity lapse. These requirements include the use of an interim emissions budget test for milestone analysis years, including 2010, the new attainment date for the 8-hour standard.

For the Washington, DC-MD-VA nonattainment area, the 8-hour nonattainment boundary is smaller than the 1-hour boundary, since Stafford County has been removed from the Washington nonattainment area for the 8-hour standard. In these circumstances, EPA's conformity rule provides two options for conducting a conformity analysis prior to the setting of new mobile budgets under the 8-hour standard: use of revised 1-hour budgets, removing Stafford County emissions from the 1-hour budgets and mobile emissions estimates (option 1); or use of the existing 1-hour budgets, retaining Stafford County in both the budgets and mobile emissions estimates (option 2).

In response to EPA's new requirements, the TPB has prepared two items for public comment and interagency consultation:

- 1. A scope of work for performing the 8-hour conformity assessment (see Enclosure 1. <u>8-Hour Ozone Standard Conformity Assessment, Scope Of Work)</u>, and
- 2. A listing of 2010 project elements (see Enclosure 2. <u>2004 CLRP and</u> FY2005-2010 TIP Air Quality Conformity Inputs).

As noted in the work scope, TPB recommends use of the existing MWAQC 1-hour

budgets, retaining Stafford County in both the budgets and emissions estimates (option 2). These 1-hour budgets are associated with the results of MWAQC's latest nonattainment planning for the Washington region as a severe nonattainment area under the 1-hour standard. As the budget levels include Stafford County, the second fastest growing county in the region, the option 2 budget comparison test represents the more stringent of the two tests, consistent with the latest technical methods applied in developing the region's emissions picture. Use of these 1-hour budget levels would also enable the analysis to be accomplished in less calendar time, which is important to the region given the one year time frame for completing the analysis, including all federal approvals, by June 15, 2005.

The TPB is currently undertaking a conformity assessment using the 1-hour ozone and winter carbon monoxide criteria for the 2004 CLRP and FY2005-2010 TIP, with a draft report scheduled for October 1, 2004 and TPB action scheduled for November 17, 2004. The proposed 8-hour work scope is a supplement to the ongoing 1-hour conformity analysis. As noted in the work scope schedule, the supplemental analysis is to be undertaken immediately following the 1-hour analysis, with a draft report scheduled for December 15, 2004 and TPB action on January 19, 2005. This schedule is designed to permit the TPB and subsequent federal approvals to occur well in advance of the June 15, 2005 deadline, so that the region may avoid a conformity lapse.

The TPB would appreciate MWAQC's review and comment on the enclosed scope of work and listing of 2010 project elements. The TPB looks forward to a continuing close working relationship with MWAQC in meeting these important conformity requirements related to the 8-hour ozone standard.

Sincerely yours,

Christopher Zimmerman Chairman National Capital Region Transportation Planning Board

Enclosures (2)

Metropolitan Washington Air Quality Committee

Suite 300, 777 North Capitol Street, N.E. Washington, D.C. 20002-4239 202-962-3358 Fax: 202-962-3203

October 13, 2004

Honorable Christopher Zimmerman, Chair National Capital Region Transportation Planning Board 777 North Capitol Street, NE Washington, D.C. 20002

Dear Chair Zimmerman:

The Metropolitan Washington Council of Governments Air Quality Committee (MWAQC) has received your letter of September 15, 2004 and we appreciate the opportunity to provide comments on 8-hour ozone standard conformity assessment scope of work.

In July EPA released its 8-hour ozone transportation conformity guidance, outlining options for areas like the Washington, DC-MD-VA nonattainment area that have existing mobile budgets for the one-hour ozone standard. The region is required to conduct an 8-hour conformity determination by June 15, 2005 or face a conformity lapse.

The Washington, DC-MD-VA nonattainment area for the 8-hour ozone standard is smaller than the area for the one-hour standard because Stafford County, Virginia is no longer included. TPB's preferred option for conducting the 8-hour conformity assessment is to use the existing one-hour mobile emissions budgets, keeping Stafford County in the budgets and in the mobile emissions estimates for all analysis years. MWAQC agrees with TPB to use the existing one-hour mobile budgets for the transitional 8-hour conformity. We agree that removing Stafford County from the analysis would be difficult considering resources and limited time required to complete the work.

MWAQC is pleased to note that TPB has begun the work of collecting the information needed to code the 2010 network to accommodate the new milestone year for the 8-hour analysis. As currently planned, the TPB will first complete the 1-hour determination in November. Then, in January, TPB will complete the 8-hour conformity determination with a new analysis for 2010.

Thank you for the opportunity to comment on the 8-hour ozone conformity assessment scope of work. We look forward to working closely with you on making further improvements to the region's air quality to meet the new 8-hour standard.

Sincerely,

Thomas Dernoga

Chairman

Metropolitan Washington Air Quality Committee

ATTACHMENT B

8-HOUR OZONE STANDARD CONFORMITY ASSESSMENT SCOPE OF WORK

Supplement to the Air Quality Conformity Assessment of the 2004 Constrained Long Range Plan Amendments and FY2005-2010 Transportation Improvement Program

I. INTRODUCTION

On April 15, 2004 the Environmental Protection Agency (EPA) designated 474 counties that exceeded the health-based standards for 8-hour ozone as non-attainment areas. The 8-hour ozone standard, 0.08 parts per million (ppm), averaged over eight hours, replaces the 1-hour standard of 0.12 ppm, measured in hourly increments, that has been in place since 1979. The EPA classified each ozone non-attainment area based on the severity of its ozone problem. The agency created five areas of classification: marginal, moderate, serious, severe, and extreme. The Washington, DC-MD-VA area was designated moderate. Areas with a classification of moderate must achieve attainment status by June 15, 2010. Non-attainment areas are required to submit to EPA a state implementation plan (SIP) to define the expected method for reducing the ozone level in the air and emissions of ozone precursors.

On July 1, 2004 the EPA published the final rule for the transportation conformity under the new 8-hour ozone standard. There are four potential scenarios into which each non-attainment area can be categorized: *Scenario 1-* Areas where the 8-hour ozone area boundary is exactly the same as the 1-hour ozone area boundary; *Scenario 2-* Areas where the 8-hour boundary is smaller than the 1-hour boundary, (*i.e.*, the 8-hour area is completely within the 1-hour area); *Scenario 3-* Areas where the 8-hour boundary is larger than the 1-hour boundary (*i.e.*, the 1-hour area is completely within the 8-hour area); and *Scenario 4-* Areas where the 8-hour boundary partially overlaps the 1-hour area boundary. The Washington DC-MD-VA non-attainment area falls under *Scenario 2*, with Stafford County in the 1-hour boundary, but not in the 8-hour boundary.

In *Scenario 2* areas, conformity must generally be shown using one of the following two versions of the budget test: *Option 1*- Use revised 1-hour budgets for the 8-hour area, removing the extra areas' (for this region, Stafford County) emissions from budgets and from updated CLRP/TIP emissions estimates, *Option 2* – Use the existing 1-hour budgets for the 1-hour area, retaining all (including Stafford County) emissions in both the budgets and the updated CLRP/TIP emissions. The consultation process must determine the choice between *Option 1* and *Option 2*. Staff recommends *Option 2* because Stafford County is the second fastest growing county in the region, so *Option 2* is the more stringent test. Additionally, less calendar time is needed for *Option 2* than for *Option 1* because there would be no need to develop revised budgets and emissions that exclude Stafford County.

For either *Option*, the 8-hour ozone standard for a "moderate" area requires an analysis of the 2010 attainment year. The region must demonstrate that the plan and program conform to the new 8-hour requirements by June 15, 2005 or suffer a lapse. Because the conformity requirements for this analysis were not specified when COG/TPB staff developed the original scope of work for the air quality conformity assessment of the 2004 Constrained Long Range Plan (CLRP) and the FY2005-2010 Transportation Improvement Program (TIP), a supplemental work plan is necessary.

This scope of work presents an outline of the work tasks to address the conformity requirements of the 8-hour ozone standards; it supplements the ongoing work activities directed at the 1-hour standards to ensure that all requirements are addressed in performing the Air Quality Conformity Assessment of the 2004 CLRP and FY2005-2010 TIP.

II. REQUIREMENTS AND APPROACH

A. Criteria (See Exhibit 1)

As described in the 1990 Clean Air Act Amendments, conformity is demonstrated if transportation plans and programs:

- 1. Are consistent with most recent estimates of mobile source emissions.
- 2. Provide expeditious implementation of TCMs, and
- 3. Contribute to annual emissions reductions.
- **B.** Approach The analytical approach is similar to that applied and documented in the development of the Washington area's severe area ozone SIP. In addition to the highlighted elements below, explicit inputs include: a summary list of major policy and technical input assumptions, shown as Attachment A; and all transportation network elements which were finalized at the April 21, 2004 TPB meeting and supplemented, in September, 2004, to clarify completion dates for a 2010 forecast year.
 - 1. The use of *Option 2* (retaining Stafford County in both budgets and emissions estimates).
 - 2. Regionally significant projects
 - 3 Round 6.4A Cooperative Forecasts
 - 4. Expanded cordon (2191 zone) networks and model set (Methodology as described in the Metropolitan Washington Council of Governments, <u>COG/TPB Travel</u>

<u>Forecasting Model, Version 2.1/TP+, Release D, Report.</u> Refinements to Version 2.1 Release C addressed in Version 2.1 Release D include:

- use of updated toll analysis methods
- updated speed / capacity tables
- revised volume delay function for freeways
- minimized model adjustment factors
- bus speed / highway congestion relationships
- speed feedback revisions to ensure consistency of travel speeds throughout the process
- 5. MOBILE6.2 model emission factors, consistent with the procedures utilized to establish the latest VOC and NOx mobile source emissions budgets within the severe area SIP
- 6. Refinements developed as part of the SIP include: use of 2002 vehicle registration data for all jurisdictions; updated VMT mix procedures using national trends in vehicle fleet characteristics together with local data on light duty versus heavy duty vehicle use; updated databases for public transit and school buses, park and ride lot use, and travel on local roads; and post-processor estimation
- 7. VOC and NOx emissions budgets
- 8. MSA-based geography

III. CONSULTATION

- 1. Execute TPB consultation procedures as outlined in the consultation procedures report adopted by the TPB on May 20, 1998.
- 2. Participate in meetings of MWAQC, its Technical Advisory Committee and its Conformity Subcommittee to discuss the scope of work activities, TERM development process, and other elements as needed; discuss at TPB meetings or forums, as needed, the following milestones:
 - Project solicitation
 - Scope of work
 - TERM proposals
 - Project submissions: documentation and comments
 - Analysis of TERMs, list of mitigation measures
 - Conformity assessment: documentation and comments
 - Process: comments and responses

IV. WORK TASKS

- 1. Receive clarification of project completion dates in the 2004 CLRP / FY2005-2010 TIP conformity table to ascertain that inputs for the 2010 forecast year network are appropriate.
 - No change to previously defined forecast year networks (2005, 2015, 2025, 2030)
- 2. Utilize Round 6.4A Cooperative Forecasts
 - Households by auto ownership, population and employment
 - Zonal data files
- 3. Utilize 1990 and 2002 base conditions developed in the severe area SIP process; utilize 2005, 2015, 2025, and 2030 conditions developed in the 1-hour ozone conformity assessment of the 2004 CLRP and FY2005-2010 TIP.
- 4. Prepare 2010 highway and transit networks
 - Update highway database
 - Update GIS highway network
 - Filter database to create 2010 highway network
 - Rebuild network for modeling
 - Update / edit transit files
- 5. Prepare 2010 ozone attainment year travel and emissions estimates
 - Execute travel demand modeling
 - Perform transit "capacity constraint" procedures
 - Apply Mobile 6.2 emission factors based upon 2004 CLRP work
 - Calculate emissions
- 6. Analyze results of above technical analysis
 - Reductions from 1990 and 2002 base
 - VOC and NOx emissions budgets
 - With review by the Travel Management Subcommittee, the Technical Committee and the TPB, identify and recommend additional measures should the plan or program fail any test and incorporate
- 7. Assess conformity and document results in a report
 - Document methods
 - Draft conformity report
 - Forward to technical committees and policy committees
 - Make available for public and interagency consultation

- Receive comments
- Address comments and present to TPB for action
- Finalize report and forward to FHWA, FTA and EPA

V. SCHEDULE

The schedule for the execution of these work activities is shown in Exhibit 2, attached. This schedule shows the adoption of the 8-hour conformity determination by the TPB in January, which allows sufficient time for distribution, review and final approval by federal agencies in order to meet the June 15, 2005 deadline for avoiding a conformity lapse.

Exhibit 1

Conformity Criteria

All Actions at all times:

Sec. 93.110 Latest planning assumptions. Sec. 93.111 Latest emissions model.

Sec. 93.112 Consultation.

Transportation Plan:

Sec. 93.113(b) TCMs.

Sec. 93.118 or Sec. 93.119 Emissions budget or Emission reduction.

TIP:

Sec. 93.113(c) TCMs.

Sec. 93.118 or Sec. 93.119 Emissions budget or Emission reduction.

Project (From a Conforming Plan and TIP):

Sec. 93.114 Currently conforming plan and TIP.
Sec. 93.115 Project from a conforming plan and TIP.

Sec. 93.116 CO and PM10 hot spots. Sec. 93.117 PM10 control measures.

Project (Not From a Conforming Plan and TIP):

Sec. 93.113(d) TCMs.

Sec. 93.114 Currently conforming plan and TIP.

Sec. 93.116 CO and PM10 hot spots. Sec. 93.117 PM10 control measures.

Sec. 93.110 Criteria and procedures: Latest planning assumptions.

The conformity determination must be based upon the most recent planning assumptions in force at the time of the conformity determination.

Sec. 93.111 Criteria and procedures: Latest emissions model.

The conformity determination must be based on the latest emission estimation model available.

Sec. 93.112 Criteria and procedures: Consultation.

Conformity must be determined according to the consultation procedures in this subpart and in

the applicable implementation plan, and according to the public involvement procedures established in compliance with 23 CFR part 450.

Sec. 93.113 Criteria and procedures: Timely implementation of TCMs.

The transportation plan, TIP, or any FHWA/FTA project which is not from a conforming plan and TIP must provide for the timely implementation of TCMs from the applicable implementation plan.

Sec. 93.114 Criteria and procedures: Currently conforming transportation plan and TIP.

There must be a currently conforming transportation plan and currently conforming TIP at the time of project approval.

Sec. 93.115 Criteria and procedures: Projects from a plan and TIP.

The project must come from a conforming plan and program.

Sec. 93.116 Criteria and procedures: Localized CO and PM10 violations (hot spots).

The FHWA/FTA project must not cause or contribute to any new localized CO or PM10 violations or increase the frequency or severity of any existing CO or PM10 violations in CO and PM10 nonattainment and maintenance areas.

Sec. 93.117 Criteria and procedures: Compliance with PM10 control measures.

The FHWA/FTA project must comply with PM10 control measures in the applicable implementation plan.

NOTE: See EPA's August 15, 1997 conformity regulations for the full text associated with each section's requirements.

Exhibit 2

PROPOSED 8-HOUR OZONE STANDARD SUPPLEMENT TO THE YEAR 2004 CLRP AND FY 2005-2010 TIP AIR QUALITY CONFORMITY SCHEDULE

| September 3, 2004 | TPB Technical Committee Reviews Draft Work Scope and Conformity Project Input Table |
|---------------------|---|
| *September 15, 2004 | TPB Releases Draft Work Scope and Project Inputs for Public Comment and Inter-Agency Review |
| *October 20, 2004 | TPB Reviews Public Comments, Approves Draft Scope of Work and Project Submissions for Inclusion in the 8-Hour Air Quality Conformity Analysis |
| *December 15, 2004 | TPB Receives Briefing on, and Releases Draft 8-Hour Air Quality Conformity Determination for Public Comment and Inter-Agency Review |
| *January 19, 2005 | TPB Reviews Public Comments on Draft Document, Approves Responses to Comments, and Adopts the 8-Hour Air Quality Conformity Determination |

*TPB Meeting

POLICY AND TECHNICAL INPUT ASSUMPTIONS 8-HOUR OZONE STANDARD CONFORMITY ASSESSMENT

1. Land Activity

- Round 6.4A Cooperative Forecasts

2. Policy and Project Inputs

- Highway, HOV and transit projects and operating parameters
- Financially constrained project submissions advanced by the TPB on 4/21/2004, and supplemented, in September, 2004, to clarify completion dates for a 2010 forecast year.

3. Travel Demand Modeling Methods

- 'Version 2.1 D' Travel Model
- I-66 (inside the beltway) at HOV-3 in 2010
- Transit "capacity constraint" procedures

4. Emission Factors

- Emission factors methods as developed and applied in the SIP and in the 2004 CLRP conformity process: MOBILE6.2, 2002 registration data, VMT mix specific to each analysis year
- Enhanced I/M in DC, MD, and VA, using state-specified standards

5. Emissions Modeling Methods / Credits

- Updated post-processor methods as developed in the 1-hour 2004 CLRP
- Offline emissions analyses

6. Conformity Assessment Criteria

- 8/15/97 EPA regulations (as modified by the 3/2/99 court decision and subsequent guidance), including 1/1/95 technical requirements, and 7/01/04 EPA regulations stating the transportation conformity rule amendments for the new 8-hour ozone standards; use of severe area SIP mobile source emissions budgets
- Analysis years: 2005, 2010, 2015, 2025, 2030

ATTACHMENT C

| | I | | | ı | Triigiiway ana i | | | | | | I | | |
|---------|-----------|-------------|--|---|---|------------------------------|------|-------|------|-----|--------------|---------|------|
| | | | | | | | | | | | Under Const. | Complt. | |
| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| | t of Colu | | | | | | | | | | | | |
| DISTITU | | IIIISIG | | | | | | | | | | | |
| DCDOT | | Construct | | Klingle Road Reconstruction | Porter Street | Woodley Road | | | | | | 2007 | Yes |
| DCDOT | | Construct | | Minnesota Ave. NE ext. | Sheriff Rd | Meade St. N.E. | | | | | | 2009 | Yes |
| Maryla | nd | | | | | | | | | | | | |
| MDOT | Freeway | 7 | | | | | | | | | | | |
| MDSHA | | Widen | Approved | I-70 - Phases 2B, 2C, 2D, 3 and 4 | Mount Phillip Road | MD 144FA | 1 | 1 | 4 | 6 | No | 2010 | Yes |
| MDSHA | | 0 | | LOF/LAGE (Conital Baltway) | Branch Avenue Metro Access | | 1 | 1 | 0 | ٥ | No | 2010 | |
| MDSHA | IVII I K | Construct | Approved | I-95/I-495 (Capital Beltway) I-95/I-495 Woodrow Wilson | Branch Avenue Metro Access | | 1 | - | 8 | 8 | No | 2010 | Yes |
| MDSHA | VA | Widen | Approved | Bridge | MD 210 Interchange | Virginia Line | 1 | 1 | 6 | 12 | Yes | 2008 | Yes |
| MDSHA | MI1m | Construct | Pending | I-95/I-495/Arena Drive Interchange | MD 214 | MD 202 | 1 | 1 | 8 | 8 | No | 2010 | Yes |
| MDSHA | MP12 | Construct | Pendina | Intercounty Connector | I-270 | I-95 / US 1 | 0 | 1 | 0 | 6 | No | 2010 | Yes |
| | Primary | | · ···································· | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MDSHA | MP9 | Widen | Pending | MD 2/4 | south of MD 765 Interchanges at Westphalia | north of Stoakley Road | 2 | 2 | 4 | 6+2 | No | 2010 | No |
| MDSHA | | Construct | Approved | MD 4 (Pennsylvania Avenue) | Rd., Suitland Pkwy., Dower | | 2 | 5 | 4 | 4 | No | 2010 | Yes |
| MDSHA | MP3a | Upgrade/W | Approved | MD 4 | MD 223 | I-95/I-495 | 2 | 5 | 4 | 6 | No | 2010 | No |
| WIDOTIT | Wii Ou | Opgrade/ Vi | Дрргочса | MD 5 Relocated at | | End of divided highway north | | | | Ŭ | 140 | 2010 | 140 |
| MDSHA | MP4k | Construct | Approved | Hughesville | of Hughesville | of Hughesville | 0 | 5 | 0 | 4 | No | 2010 | No |
| MDSHA | | Construct | pending | US 15 Catoctin Mountain Highway | MD 26 Liberty Road | | 2 | 2 | 4 | 4 | No | 2010 | Yes |
| MDSHA | | Upgrade | approved | US 29 (Columbia Pike) | Briggs Chaney Road | | 2 | 5 | 6 | 6 | Yes | 2006 | Yes |
| | | | | | | (MD 055 | | | | | | | |
| MDSHA | | Construct | pending | MD 75 Relocated | I-270 | e. of MD 355 | 0 | 3 | 4 | 4 | No | 2010 | Yes |
| MDOT | Seconda | ary | | | | | | | | | | | |

| | | | | | (mgmmay and) | | | | | | Under Const. | Complt. | |
|----------|---------|-----------|----------|--|---|----------------------------------|------|-------|------|-----|--------------|----------------------|------|
| | Project | | Environ. | | | | Fac | ility | Lan | ies | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| MDSHA | MS6b | Widen | Approved | MD 124 (Woodfield Road) | Midcounty Highway | Warfield Road | 2 | 2 | 2 | 6 | No | 2010 | Yes |
| MDSHA | MS30 | Widen/Con | Approved | MD 414 Extended | MD 210 | I-295 | 0 | 2 | 0 | 4 | Yes | 2008 | Yes |
| MDSHA | MS18h | Widen | Approved | MD 450 (Annapolis Road) | MD 193 | Stonybrook Drive | 2 | 2 | 2 | 4/6 | Yes | 2006 | Yes |
| MDSHA | MS20c | Construct | Approved | MD 475 (East Street Extended) | South Street | proposed Monocacy Boulevard | 0 | 3 | 0 | 4 | No | 2010 | Yes |
| Montgo | mery Co | ounty | | | | | | | | | | | |
| Mont.Co. | nrs | Construct | | Burtonsville Access Rd. | MD 198 | School Success Rd. | 0 | 4 | 0 | 2 | | 2010 | Yes |
| Mont.Co. | | | | Century Blvd./Crystal Rock Loop | existing Century Blvd. | Crystal Rock Drive | | 3 | | 4 | No | 2010 | No |
| Mont.Co. | | Construct | | Chapman Avenue | Randolph Road | Old Georgetown Road | 0 | 3 | 0 | 2 | No | 2010 | No |
| Mont.Co. | MC38a | Construct | | Citadel Avenue Extended | dead end of existing road south of Marinelli Road | Nicholson Lane | 0 | | 0 | | No | 2006 | Yes |
| Mont.Co. | MC5c | Widen | | Father Hurley/ Ridge Rd. | I-270 | existing MD 27 | 2 | 2 | 4 | 6 | no | 2010 | No |
| Mont.Co. | MC7a | Widen | | Goshen Rd. Fac. Planning | Odenhal Avenue. | Warfield Road | 3 | 3 | 2 | 4 | no | 2010 | No |
| Mont.Co. | MC41 | Widen | | Longdraft Road | MD 124 | MD 117 | 3 | 3 | 2 | 4 | No | 2010 | No |
| Mont.Co. | | Study | | M-83 (with MD 118 Ext. and Middlebrook Rd. Ext. widening projects below) | MD 27 (Ridge Road) | Montgomery Village Avenue | 0 | 2 | 0 | 4-6 | No | 2006 for study | No |
| Mont.Co. | MC15 | Construct | N/A | Montrose Parkway West | Montrose Road (Tower Oaks Blvd.) | old' Old Georgetown Road | 0 | | 0 | 4 | No | - | No |
| Mont.Co. | MC30 | Construct | | Nebel St Extended | Randolph Rd | Bou Ave/Chapman Ave | 0 | 3 | 0 | 4 | | 2007 | Yes |
| Mont.Co. | MC28 | Construct | N/A | Stringtown Rd. Ext. | I270/ MD 121 int. | existing Stringtown Rd. @ MD 355 | 0 | 3 | 0 | 4 | No | 2007 | Yes |
| Mont.Co. | MC22 | | | Valley Park Dr. | e.of MD 27 | exist. Valley Park Dr. | | | | | | 2006 | Yes |

| | | _ | | | (ingliway alla | | | | | | | | |
|----------|---------|-----------|----------|---|-------------------------|------------------------------------|------|-------|------|-----|--------------|---------|------|
| | | | | | | | | | | | Under Const. | Complt. | |
| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| Mont.Co. | MC13 | Construct | | Woodfield Rd.(MD 124 Ext.) | 1200' North of MD 108 | MD 27 | 0 | 2 | 0 | 2 | | 2007 | Yes |
| Prince | Georges | County | y | | | | | | | | | | |
| PG Co. | PGS6 | Widen | N/A | Ammendale/Virginia Manor Road | I-95 | west of US 1 | 3 | 3 | 2 | 6 | Yes | 2006 | Yes |
| PG Co. | PGS74b | Construct | N/A | Bell Station Road | Annapolis Road (MD 450) | Church Road | 0 | 4 | 0 | 4 | Yes | 2006 | No |
| PG Co. | PGS75 | Widen | N/A | Berry Road | Livingston Road | Accokeek Road (MD 373) | 4 | 4 | 2 | 4 | No | 2010 | No |
| PG Co. | PGS76 | Widen | N/A | Briggs Chaney Road | Montgomery County line | Old Gunpowder Road | 4 | 4 | 2 | 4 | Yes | 2010 | No |
| PG Co. | PGS16b | Construct | N/A | Campus Way North Extended | south of Lottsford Road | Evarts Drive | 0 | 4 | 0 | 4 | No | 2010 | No |
| PG Co. | PGS17 | Widen | N/A | Cherry Hill Road | Montgomery County line | Baltimore Avenue (US 1) | 3 | 3 | 2 | 4 | No | 2006 | Yes |
| PG Co. | PGS34a | Widen | N/A | Hill Road | Central Avenue (MD 214) | ML King Jr Highway (MD 704) | 4 | 4 | 2 | 4 | No | 2010 | Yes |
| PG Co. | PGS88 | Construct | N/A | Iverson St. Extended | Wheeler Road | 19th Avenue | 0 | 4 | 0 | 4 | No | 2010 | Yes |
| PG Co. | PGS40a | Widen | N/A | Lottsford Road | Landover Road (MD 202) | Enterprise Road (MD 193) | 3 | 3 | 2 | 4 | No | 2006 | Yes |
| PG Co. | | Construct | N/A | National Harbor Main Circulation Roads | I-95/I-295 Interchange | Waterfront Parcel, National Harbor | 0 | 4 | 0 | 4/6 | | 2007 | Yes |
| PG Co. | PGS52 | Widen | N/A | Oxon Hill Road | Fort Foote Rd - North | MD 210 | 4 | 4 | 2 | 4 | No | 2010 | Yes |
| PG Co. | | Construct | | Regency Parkway/ Regency Lane | Regency Lane | Hil-Mar Drive | 0 | 4 | 0 | 4 | | 2007 | Yes |
| PG Co. | PGS56a | Widen | Approved | Ritchie Road/Forestville Road | Alberta Drive | MD 4 Pennsylvania Avenue | 4 | 4 | 2 | 4 | Yes | 2009 | Yes |
| PG Co. | PGS62a | Widen | N/A | Suitland Road | Allentown Road (MD 337) | Suitland Parkway | 3 | 3 | 2 | 4 | No | 2009 | Yes |
| PG Co. | PGS42 | Widen | N/A | Woodyard Road (MD 223) | Rosaryville Road | Dower House Road | 2 | 2 | 2 | 4 | No | 2007 | No |
| PG Co. | PGS42b | Construct | N/A | Woodyard Road Relocated (MD 223) | Piscataway Creek | Livingston Road | 0 | 3 | 0 | 2 | No | 2010 | No |

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| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| Freder | ick Coun | ty | | | | | | | | | | | |
| Fred.Co. | | | N1/A | Managay Plyd | Hughes Ford Rd. | Gas House Pike | 0 | 3 | 0 | 4 | Yes | 2006 | No |
| | | Construct | N/A | Monocacy Blvd | Hughes Ford Rd. | Gas House Pike | U | 3 | U | 4 | res | 2006 | NO |
| Anne A | Arundel C | County | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Carrol | County | | | | | | | | | | | | |
| | | | | Harris de al Directo (MD 00) | Mark Lill Da | Doe dheeds Del | | | | | | 0007 | |
| ВМС | CA3A | Construct | N/A | Hampstead Bypass (MD 30) | Wolf Hill Dr | Brodbeck Rd | | 2 | 0 | 2 | | 2007 | |
| ВМС | nrs | Reconstruc | N/A | MD 140 (reconstruct bridge) | MD 97 (north) | MD 27 | | 1 | | | | 2006 | |
| Howar | d County | , | | | | | | | | | | | |
| вмс | HW20 | Widen | N/A | Dorsey Run Rd | MD 175 | MD 32 | | 4 | 2 | 4 | | 2010 | |
| вмс | nrs | Construct | N/A | Dorsey Run Rd | MD 103 | MD 175 | | 4 | 0 | 2 | | 2010 | |
| вмс | 250 | 0 1 1 | | Loop Řoad | © MD 246 West | | | | | | | 2006 | |
| DIVIC | nrs | Construct | N/A | (new interchange) Loop Road | @ MD 216 West | | | | | | | 2000 | + |
| BMC | nrs | Construct | N/A | (new interchange) | @ MD 216 East | | | | | | | 2006 | |
| вмс | HW8b | Widen | N/A | MD 216 | West of US 29 | Sanner Road | | 3 | 2 | 4 | | 2010 | |
| вмс | nrs | Construct | N/A | North Ridge Road | Carts Court | Rogers Ave and Town&County Blvd to US 40 | | | _ | 2 | | 2010 | |
| вмс | | | N/A | Rodgers Avenue | US 40 | Courthouse Drive | | 3 | 2 | 4 | | 2010 | |
| Virgini | | MOON | | | | | | | _ | | | 20.0 | |
| | a Freeway | | | | | | | | | | | | |
| VDOT | VI3b | Restripe | PCE-1 | I-395 HOV (3 lanes total) | I-95 | DC | 1 | 1 | 2 | 3 | No | 2010 | No |
| VDOT | VI1c | | CE-4 | I-66 HOV during peak | VA 234 (Prince Wm. Pkwy) | VA 234 Business (Sudley Rd.) | 1 | 1 | 4 | 8 | yes | | No |

| | | | | | triigiiway and i | 1011 | | | | | | _ | |
|-------------|---------|------------|----------|--|---------------------------------|--------------------------------|------|-------|------|----|--------------|---------|------|
| | | | | | | | | | | | Under Const. | Complt. | |
| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| | | | | I-66 HOV during peak (5 | | VA 234 (Prince William | | | | | | | |
| VDOT | VI1ca | Widen | CE-4 | lanes eb) | US 29 (Gainesville) | Parkway) | 1 | 1 | 4 | 9 | no | 2010 | Yes |
| VDOT | VI2p | Widen | CE-1 | I-95 (provide 4th lane) I-95 (Wilson Bridge and | Newington | VA 123 | 1 | 1 | 6 | 8 | No | 2010 | Yes |
| VDOT | VI2k | Widen | SEIS-2 | approaches) | US 1 | MD 210 | 1 | 1 | 6 | 12 | yes | 2009 | Yes |
| VDOT | VI2I | Restripe | PCE-1 | I-95 HOV (3 total) | Quantico Creek | I-495 | 1 | 1 | 2 | 3 | no | 2010 | No |
| VDOT | VI2ab | Reconstruc | Pending | I-95 Interchange | @ VA 642 (Lorton Road) | | 1 | 1 | - | - | No | 2010 | No |
| VDOT | VI2c | Reconstruc | approved | I-95/395/495 Interchange | | | 1 | 1 | _ | - | Yes | 2007 | Yes |
| VDOT | MW1 | Widen | Pending | Dulles Airport Access Road | Dulles Airport | VA 123 | 1 | 1 | 4 | 6 | No | 2010 | No |
| VDOT | VP21e | Widen | N/A | Dulles Greenway | VA7/15 Bypass | Goose Creek Bridge | 1 | 1 | 4 | 6 | No | 2006 | No |
| VDOT | Primary | | | | | | | | | | | | |
| VDOT | nrs | Reconstruc | Pending | US 1 | @ VA 619 (Joplin Road) | USMC HERITAGE CENTER ACCESS | - | - | - | - | No | 2007 | Yes |
| VDOT | VP1o | Widen | Approved | US 1 (Neabsco Creek Bridge) | VA 610 (Neabsco Road) | VA 638 (Neabsco Mills Road) | 2 | 2 | 4 | 6 | No | 2009 | yes |
| VDOT | VP1p | Widen | Pending | US 1 (part of 1/123 interchange) | Occoquan Rd. | Annapolis Way | 2 | 2 | 4 | 6 | No | 2008 | No |
| VDOT | nrs | Reconstruc | Pending | US 1 Interchange | @ Russell Road | | 1 | 1 | _ | - | No | 2010 | No |
| VDOT | VP2ma | Widen | Pending | VA 7 | Rolling Holly Drive | Reston Parkway | 2 | 2 | 4 | 6 | No | 2009 | Yes |
| VDOT | nrs | Reconstruc | Pending | VA 7 | @ VA 711 (Williams Gap Road) | | 2 | 2 | 4 | 4 | No | 2006 | Yes |
| VDOT | nrs | Reconstruc | Pending | VA 9 | @ VA 662 (Clarks Gap Road) | | 3 | 3 | _ | - | No | 2006 | Yes |
| VDOT | VP4fa | Widen | N/A | US 15 (James Madison Highway) | I-66 | VA 234 | 2 | 2 | 2 | 4 | No | 2006 | Yes |
| VDOT | nrs | Reconstruc | N/A | US 15 (James Monroe Highway) | Whites Ferry Rd. | Lucketts Road | 3 | 3 | 2 | 2 | No | 2006 | Yes |

| | | | | | | , | | | | | Under Const. | Complt. | |
|--------|---------|-------------|----------|---|------------------------------------|------------------------------------|------|-------|------|----|--------------|---------|------|
| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| | | | | US 15 (James Monroe | | | | _ | | | | | |
| VDOT | nrs | Reconstruc | N/A | Highway) US 15 (James Monroe | Lucketts Road | Maryland State Line | 3 | 3 | 2 | 2 | No | 2006 | No |
| VDOT | nrs | Reconstruc | N/A | Highway) | Village of Lucketts | Vicinity of VA 662 | 3 | 3 | 2 | 2 | No | 2006 | No |
| VDOT | nrs | Reconstruc | Pending | VA 27 Interchange | @ VA 244 (Columbia Pike) | | 1 | - 1 | - 1 | - | No | 2010 | No |
| VDOT | nrs | Recons/Wi | Pending | VA 28 | Bridge over Broad Run | Replace / Widen to ultimate width | 3 | 3 | 2 | 6 | No | 2007 | Yes |
| VDOT | VP6ea | Widen/Upg | N/A | VA 28 | Dulles Toll Rd. | VA 606 (Old Ox Rd.) | 2 | 1 | 6 | 6 | No | 2008 | No |
| VDOT | VP6eb | Construct | | VA 28 Interchange | @ VA 209 (Innovation Ave.) | | - | - | - | - | No | 2008 | No |
| VDOT | VP6v | Construct/l | N/A | VA 28 PPTA (Phase I) Interchange VA 28 PPTA (Phase I) | @ VA 668 (McLearen Road) | SASM Interchange to VA 668 upgrade | 2 | 1 | 6 | 6 | No | 2006 | No |
| VDOT | VP6w | Construct/l | N/A | VA 28 PPTA (Phase I) Interchange | @ Sterling Boulevard | VA 606 to VA 625 upgrade | 2 | 1 | 6 | 6 | No | 2006 | No |
| VDOT | nrs | Construct | Pending | US 50 Traffic Circle | @ US 15 (Gilbert's Corner) | | - | - | - | - | No | 2010 | Yes |
| VDOT | VP8q | Widen | Pending | US 50 | VA 659 Relocated | VA 742 (Poland Rd.) | 2 | 2 | 4/5 | 6 | No | 2010 | No |
| VDOT | nrs | Reconstruc | Pending | US 50 Interchange | @ VA 120 (Glebe Road) | | - | _ | - | | No | 2010 | No |
| VDOT | nrs | Reconstruc | Pending | US 50 Interchange | @ VA 27 (Washington Blvd.) | | - | _ | - | | No | 2010 | No |
| VDOT | VP8o | Reconstruc | Pending | US 50 Interchange | @ Courthouse Road / 10th Street | | - | - | - | - | No | 2007 | Yes |
| VDOT | VP10ob | Widen | Pending | VA 123 (Dolley Madison Blvd.) | DTR Ramps | VA 694 (Great Falls St.) | 2 | 2 | 4 | 6 | No | 2010 | No |
| VDOT | nrs | Construct | Approved | VA 123 Interchange | @ US 1 | | - | _ | - | | No | 2008 | Yes |
| VDOT | VP10g | Widen | Pending | VA 123 | Route 1 | Horner Road | 2 | 2 | 4 | 6 | No | 2008 | No |
| VDOT | VP10I | Widen | Pending | VA 123 (Occoquan River Bridge) | South Approach | VA 772 North | 2 | 2 | 2 | 6 | yes | 2006 | Yes |
| VDOT | VP12b | Widen | Approved | VA 234 (Dumfries Road) | Country Club Dr. | Eclipse Dr. | 2 | 2 | 2 | 4 | No | 2006 | Yes |

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|--------|-------------|--------------------|-------------------|--|---|---|------|-------|------|-----|--------------|---------|------------|
| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| VDOT | VP12a | Widen | Pending | VA 234 (Dumfries Road) | Eclipse Dr. | Snowfall Dr. | 2 | 2 | 2 | 4 | Yes | 2006 | Yes |
| VDOT | VP12I | Widen | Approved | VA 234 (Dumfries Road) | VA 234 Bypass (at Limstrong, VA 649) | SCL of Manassas | | 2 | 2 | 4 | No | 2010 | No |
| VDOT | VP12o | Construct | Pending | VA 234 (Manassas Bypass) | I-66 | Loudoun County Line | | 2 | - | 4 | No | 2010 | No |
| VDOT | nrs | Reconstruc | | VA 236 (intersection/spot improvements) | Pickett Road | Lake Drive | 2 | 2 | 4 | 4 | No | 2008 | Yes |
| VDOT | nrs | Reconstruc | | VA 236 EB | @ VA 620 (Braddock Road) | | - | - | _ | _ | No | 2006 | Yes |
| | nrs | Reconstruc | | VA 236 WB | @ VA 620 (Braddock Road) | | - | - | _ | _ | No | | Yes |
| VDOT | | | | | (2.000000000000000000000000000000000000 | | | | | | | | |
| VDOT | VU28c | Construct | Developer | Battlefield Parkway | Dulles Greenway | Sycolin Road | 0 | 2 | 0 | 4 | No | 2006 | No |
| VDOT | VU28d | Widen/upg | Pending | Battlefield Parkway / Lawson Rd. | Sycolin Road | Kincaid Boulevard | 4 | 2 | 2 | 4 | No | 2010 | Yes |
| | VU28da | | Pending | Battlefield Parkway | Kincaid Boulevard | Route 7 | 0 | 2 | 0 | 4 | No | | Yes |
| VDOT | VU28f | Construct | Pending | Battlefield Parkway | Fort Evans Road | Edwards Ferry Road | 0 | 2 | 0 | 4 | No | | No |
| VDOT | VU28a | Study | Pending | Battlefield Parkway | US 15 south of Leesburg | US 15 Bypass North | 0 | | 0 | 4/6 | not coded | | No |
| | nrs | Construct | Pending | George Mason Blvd. | Univer. Dr @ Armstrong St. | Univ. Dr. @ Parking Entr. | 0 | 4 | 0 | 2 | No | | Yes |
| VDOT | VU35b | | N/A | Mill Road Extension | Telegraph Rd. | DMV complex | _ | 3 | _ | 2 | No | | Yes |
| VDOT | VU30a | Widen | Pending | South Elden Street/Centreville Road | Worldgate Drive | Herndon Parkway | 2 | 2 | 4 | 6 | No | 2006 | Yes |
| VDOT | VU32 | Widen | Pending | US 15 (South King Street) | Evergreen Mill Road | SCL of Leesburg | 3 | 2 | 2 | 4 | No | 2007 | Yes |
| VDOT | | | | | Overpass Norfolk-Southern RR B line | | | | 4 | 4 | No | 2007 | |
| | nrs VU6b | Construct Widen | Approved Approved | VA 28 Overpass & Interchg. US 29 (Lee Highway) | Chain Bridge Road | Interchange w/Wellington Rd. Eaton Place | 2 | 2 | 4 | 6 | No | | Yes Yes |

| | | | | | (Ingliway alia i | <u></u> | | | | | | | |
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| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| VDOT | VU29 | Construct | Approved | VA 123 (Chain Bridge Road) | US 50 | I-66 | 2 | 2 | 5 | 6 | No | 2010 | Yes |
| VDOT | VU45 | Widen | Approved | VA 234 (Dumfries Road) | South Corporate Limits | Hastings Drive | 3 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | nrs | Widen | N/A | VA 234 (Sudley Road) 3rd NB lane | Dorsey Circle | Godwin Dr. | 2 | 2 | 4 | 5 | No | 2006 | No |
| VDOT | VU48b | Widen | Pending | Wellington Road | Godwin Drive | VA 28 (Nokesville Road) | 3 | 3 | 2 | 4 | No | 2008 | Yes |
| Arlingt | ton Seco | ndary | | | | | | | | | | | |
| VDOT | AR26 | Widen | Pending | N. Pershing Dr. | George Mason Dr. | VA 120 | 3 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | AR5a | Reconstruc | Pending | VA 244 (Columbia Pike) | Oakland St. | Washington Blvd. | 2 | 2 | 4 | 4 | No | 2010 | No |
| VDOT | AR19c | Reconstruc | Pending | Wilson Blvd. | N. Quincy | Washington Blvd. | 2 | 2 | 4 | 4 | No | 2010 | No |
| Fairfax | Second | ary | | | | | | | | | | | |
| VDOT | VSF2a | Widen | Pending | VA 608 (West Ox Road) | VA 6558 (Penderbrook Drive) | | 3 | 3 | 2 | 4 | No | 2008 | Yes |
| VDOT | VSF10e | Widen | Pending | VA 638 (Rolling Road) | VA 5297 (Delong Dr.) | VA 6922 (Odell Street) / Fairfax County Parkway | 3 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | FFX11a | Widen | Pending | VA 645 (Stringfellow Rd.) | US 50 | VA 7100 (Fairfax County Parkway) | 3 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | VSF18b | Widen | N/A | VA 657 (Centreville Road) | VA 8390 (Metrotech Dr.) | VA 668 (McLearen Road) | 3 | 3 | 2 | 4 | No | 2008 | No |
| VDOT | VSF18h | Widen | Pending | VA 657 (Centreville Road) | VA 608 (West Ox Rd) | VA 608 (Frying Pan Rd) | 3 | 3 | 2 | 4 | No | 2009 | Yes |
| VDOT | FFX17b | Widen | Pending | VA 666 (Monroe St.) | VA 665 (Fox Mill) | Herndon | 3 | 3 | 2 | 6 | No | 2010 | No |
| VDOT | VSF36 | Relocate | N/A | VA 675 (Sunset Hills Rd.) | West of Edlin School | VA 675 (Crowell Road) | 3 | 3 | 4 | 4 | No | 2010 | No |
| VDOT | VSF24 | Widen | N/A | VA 684 (Spring Hill Road) | VA 7 (Leesburg Pike) | VA 6034 (International Drive) | 3 | 3 | 2 | 4 | No | 2007 | Yes |
| VDOT | VSF25e | Widen | Pending | VA 7100 (Fairfax Co Pkwy HOV) | Rugby Rd. | US 50 | 2 | 2 | 4 | 4+2 | . No | 2010 | No |

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|-----------|-----------|-------------------|--------------|---------------------------------------|-----------------------------|-----------------------------|------|-------|------|-----|--------------|---------|------|
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| | Project | | Environ. | | | | Fac | ility | Lan | ies | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| | | | | VA 7100 (Fairfax Co Pkwy | | | | | | | | | |
| VDOT | VSF25y | Upgrade/W | Pending | HOV) | US 50 | VA 7735 (Fair Lakes Pkwy) | 2 | 5 | 4 | 4+2 | No | 2010 | No |
| VDOT | \/OE0E- | | | VA 7100 (Fairfax Co Pkwy | \/A 7705 (Feiglister Diggs) | | _ | _ | _ | 0.0 | N1- | 0040 | N1 - |
| VDOT | VSF25z | Upgrade/W | Pending | HOV) VA 7100 (Fairfax County | VA 7735 (Fair Lakes Pkwy) | I-66 VA 7900 (Franconia- | 2 | 5 | 6 | 6+2 | No | 2010 | No |
| VDOT | VSF25n | Construct | A manay to d | Parkway) | VA 4600 (Fullerton Road) | Springfield Parkway) | 0 | 1 | 0 | 6 | No | 2007 | Yes |
| VDOT | VSFZSII | Construct | Approved | r arkway) | @ VA 7735 (Fair Lakes Pkwy) | Springileid Farkway) | U | ' | U | 0 | INO | 2007 | 165 |
| VDOT | | Construct | Pending | VA 7100 Interchange | & | Monument Drive | 2 | 5 | _ | _ | No | 2010 | Yes |
| | | | J | VA 7735 (Fair Lakes Pkwy) | | | | | | | | | |
| VDOT | VSF39 | Widen | Pending | (3rd EB Lane) | VA 7100 | Fair Lakes Circle | 3 | 3 | 4 | 5 | No | 2010 | No |
| | | | | VA 7900 HOV (Franconia- | VA 7100 (Fairfax County | | | | | | | | |
| VDOT | VSF26 | Construct | Pending | Springfield Parkway) | Parkway) | VA 2677 (Frontier Drive) | 5 | 5 | - | 2 | No | 2010 | No |
| VDOT | FFX24c | Widen | Pending | VA 8460 (Stonecroft Blvd.) | VA 661 (Old Lee Rd.) | Willard Rd. | 3 | 3 | 4 | 6 | No | 2010 | No |
| Loudoi | ın Secon | darv | | | | | | | | | | | |
| Loudot | arr occor | car y | | | | | | | | | | | |
| VDOT | VSL51 | Construct | Pending | Atlantic Boulevard | VA 625 (Church Road) | VA 7 | _ | 3 | _ | 4 | No | 2008 | No |
| | | | _ · · · J | VA 607 (Loudoun County | | | | | | | | | |
| VDOT | VSL10c | Construct | Pending | Pkwy) | VA 606 / VA 842 | VA 772 / VA 607 | - | 3 | - | 4 | No | 2010 | No |
| | | | | VA 607 (Loudoun County | | | | | | | | | |
| VDOT | VSL10ba | Widen | Pending | Pkwy) | VA 625 (Waxpool Road) | W&OD Trail | 3 | 3 | 4 | 6 | No | 2010 | No |
| \ /D.O.T. | | Widen/Up | | VA 607 (Loudoun County | | | | | _ | _ | | 0040 | |
| VDOT | VSL10bb | | Pending | Pkwy) VA 607 (Loudoun County | W&OD Trail | Redskin Park Drive | 4 | 3 | 2 | 6 | No | 2010 | No |
| VDOT | VSL10bc | Widen/Up grade | Pending | Pkwy) (dirt road) | Redskin Park Drive | Gloucester Parkway | 4 | 3 | 2 | 6 | No | 2010 | No |
| VDOT | VSLTUDC | Widen/Up | Pending | VA 607 (Loudoun County | Redskiii Faik Diive | Gloucestel Farkway | 4 | 3 | | 0 | INO | 2010 | INO |
| VDOT | VSL10bd | | Pending | Pkwy) | Gloucester Parkway | VA 7 | 4 | 3 | 2 | 4 | No | 2007 | No |
| VDOT | VOLTOBO | grade | r criding | · · · · · · · · · · · · · · · · · · · | Cloudedter i dikway | 77.7 | _ | | | _ | 110 | 2007 | 110 |
| VDOT | VSL12 | Widen | Pending | VA 625 (Church Rd.) | VA 28 | VA 637 | 3 | 3 | 2 | 4 | Yes | 2006 | Yes |
| | | Widen/Up | | VA 634 (Lockridge/Moran | | | | | | | | | |
| VDOT | VSL42 | grade . | Approved | Road) | VA 606 (Old Ox Road) | Randolph Drive | 4 | 3 | 2 | 4 | No | 2010 | No |
| | | Widen/Up | | | | | | | | | | | |
| VDOT | VSL4d | grade | Pending | VA 659 (Belmont RidgeRoad) | VA 659 Relocated | National Rec. & Park Ent. | 4 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | VCI 46 | Widen/Up | | VA 650 (Cum Caring Dd.) | VA 600 (Proddeck Doc 1) | 110.50 | _ | 2 | 2 | _ | No | 2000 | Nia |
| VDOT | VSL4e | grade | N/A | VA 659 (Gum Spring Rd.) | VA 620 (Braddock Road) | US 50 | 4 | 3 | 2 | 4 | No | 2006 | No |

| | | | | | (ingliway alia i | <i> </i> | | | _ | | 1 | | $\overline{}$ |
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| | | | | | | | | | | | Under Const. | Complt. | |
| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| VDOT | VSL4f | Widen/Up grade | Pending | VA 659 (Gum Spring Rd.) | Prince William County Line | VA 620 (Braddock Road) | 4 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | VSL40a | Widen | N/A | VA 901 (Claiborne Parkway) | VA 640 (Ashburn Farm Road) | W&OD Trail | 4 | 3 | 2 | 4 | No | 2007 | No |
| VDOT | VSL40b | Construct | N/A | VA 901 (Claiborne Parkway) | W&OD Trail | VA 7 | 0 | 3 | 0 | 4 | No | 2010 | No |
| VDOT | nrs | Construct | Pending | VA 868 (Davis Dr.) | VA 606 (Old Ox Road) | VA 625 (Church Road) | - | 4 | - | 4 | No | 2007 | Yes |
| VDOT | VSL46 | Construct | Pending | VA 1036 (Pacific Boulevard) | VA 606 (Old Ox Road) | Gloucester Parkway | - | 3 | - | 4 | No | 2010 | Yes |
| VDOT | VSL47 | • | N/A | River Creek Parkway | Riverside Parkway | VA 773 (Edwards Ferry Road) | 4 | 3 | 2 | 4 | No | 2007 | No |
| VDOT | VSL50 | Widen/Up grade | Pending | VA 773 (Fort Evans Road) | Leesburg Town Limits | River Creek Parkway | 4 | 3 | 2 | 4 | No | 2007 | No |
| Prince | William S | Second | ary | | | | | | | | | | |
| VDOT | VSP49b | | Pending | Heathcote Boulevard | VA 676 (Catharpin Road) | US 15 (James Madison Highway) | 0 | 3 | 0 | 4 | No | 2010 | No |
| VDOT | VSP49 | Construct | Pending | Heathcote Boulevard | US 29 | VA 676 (Catharpin Road) | 0 | 3 | 0 | 4 | No | 2010 | No |
| VDOT | VSP54 | Construct | N/A | North/South Road at Innovation | VA 840 (University Blvd.) | VA 674 (Wellington Road)/VA 660 (Bethlehem Road) | 0 | 3 | 0 | 4 | No | 2010 | Yes |
| VDOT | VSP39 | Widen | Pending | Russell Road | I-95 | Dunlap Avenue | 4 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | VSP46b | Construct | Pending | VA 1566 (Sudley Manor Drive Extension) | VA 619 (Linton Hall Road) | VA 234 Bypass | 0 | 4 | 0 | 4 | No | 2007 | Yes |
| VDOT | VSP46 | Construct | Pending | VA 1566 (Sudley Manor Drive Extension) | VA 234 Bypass | Chatsworth Drive | 0 | 4 | 0 | 4 | No | 2007 | No |
| VDOT | VSP2a | Widen/Up grade | Approved | VA 619 (Linton Hall Road) | US 29 (Lee Highway) | VA 675 (Glenkirk Road) | 4 | 3 | 2 | 6 | No | 2006 | Yes |
| VDOT | VSP2e | Widen/Up grade | Approved | VA 619 (Linton Hall Road) | VA 621 (Devlin Road) | VA 1566 (Sudley Manor Dr.) | 4 | 3 | 2 | 4 | No | 2008 | Yes |
| VDOT | VSP2b | Widen/Up | Approved | VA 619 (Linton Hall Road) | VA 675 (Glenkirk Road) | VA 621 (Devlin Road) | 4 | 3 | 2 | 4 | No | 2006 | No |
| | VSP3a | Widen/Up | N/A | VA 621 (Balls Ford Road) | VA 234 (Sudley Road) | Bethlehem Road | 4 | 3 | 2 | 4 | No | 2010 | No |

| | | | | | triigiiway ana i | <u> </u> | | | | | | | |
|--------|-------------------|--------------------|----------|---|---|--|------|-------|------|----|--------------|---------|------|
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| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| VDOT | | Widen/Up grade | N/A | VA 621 (Balls Ford Road) | Bethlehem Road | VA 234 Bypass | 4 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | VSP40a | Construct | Pending | VA 635 (Cherry Hill VRE Access Road) | US 1 | Future VRE Station site | 0 | 4 | 0 | 2 | No | 2007 | Yes |
| VDOT | VSP5d | Widen | Pending | VA 640 (Minnieville Road) | VA 610 (Cardinal Drive) | VA 643 (Spriggs Road) | 3 | 3 | 2 | 4 | No | 2006 | Yes |
| VDOT | | Widen | Pending | VA 640 (Minnieville Road) VA 784 (Rippon Boulevard | VA 849 (Caton Hill Road) US 1 (Jefferson Davis | VA 641 (Old Bridge Road) | 3 | 3 | 2 | 4 | No | 2010 | Yes |
| VDOT | Widen/Upgr ade | Widen | Pending | Extension) | Highway) | Rippon VRE Station US 29 @ Ent. to Conway | 4 | 3 | 2 | 4 | No | 2010 | No |
| VDOT | VSP56a | Construct | Pending | VA 840 (University Blvd.) | VA 674 (Wellington Road) | Robinson MSF | 0 | 3 | 0 | 4 | No | 2006 | Yes |
| FAMPO |) | | | | | | | | | | | | |
| FAMPO | FAP5d | Widen | | US 1 | I-95 | 1 mile so. Of US 17 Bypass | 2 | 2 | 4 | 6 | No | 2010 | No |
| FAMPO | FAP6c | Widen | | US 17 Bypass | I-95 | Village Parkway | 2 | 2 | 4 | 6 | No | 2010 | No |
| FAMPO | FAS23a | Construct | Pending | VA 208 Bypass (Spotsylvania) | West of Ta River | East of Po River | 0 | 3 | 0 | 2 | ROW | 2009 | Yes |
| FAMPO | FAS23b | | Pending | VA 208 Bypass (Spotsylvania) | East of Po River | West of Ni River | 0 | 3 | 0 | 4 | ROW | 2007 | Yes |
| FAMPO | nrs | Realign & Widen | EA compt | VA 208 | Ni River | Po River | | | 2 | 4 | Yes | 2010 | Yes |
| STAFFO | RD COUN | TY SECO | NDARY | | | | | | | | | | |
| FAMPO | FAS7a | Widen | Compl. | VA 607 | VA 626 | VA 218 | 4 | 4 | 2 | 4 | Yes | 2006 | Yes |
| FAMPO | FAS3c | Widen | | VA 610 (Garrisonville Rd.) | VA 610 (existing 4 lane section | VA 643 | 4 | 4 | 2 | 4 | Yes | 2008 | Yes |
| FAMPO | FAS3da | Widen | | VA 610 (Garrisonville Rd.) | US 1 | VA 684 (Mine Rd.) | 4 | 3 | 6 | 8 | No | 2008 | Yes |
| FAMPO | FAS8 | Recon- struct | | VA 624 | US 1 | VA 626 | 4 | 4 | 2 | 4 | No | 2010 | No |
| FAMPO | FAS5b | Widen | | VA 630 (Courthouse Rd) | I-95 | VA 648 | 4 | 4 | 2 | 4 | No | 2010 | yes |

| | | | | | | | | | | | Under Const. | Complt. | |
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| | Project | | Environ. | | | | Fac | ility | Lan | es | or ROW | Date or | In |
| Agency | ID | Improv. | Review | Facility | From | То | from | to | from | to | acquired? | Status | TIP? |
| SPOTSY | LVANIA C | OUNTY S | ECONDA | RY | | | | | | | | | |
| FAMPO | FAS22 | Widen | | VA 3 (Spotsylvania) | VA 1112 | VA 626 | 2 | 2 | 4 | 6 | No | 2010 | No |
| FAMPO | FAS18b | Widen | | VA 620 (Harrison Rd) | I-95 | US 1 Business | | | 2 | 4 | No | 2010 | Yes |
| FAMPO | FAS19 | Widen | | VA 636 (Hood Dr.) | US 1 | VA 208 | 4 | 4 | 2 | 4 | No | 2010 | |
| FAMPO | FAS20c | Widen | | VA 639 (Bragg Rd.) | VA 618 | VA 3 | 4 | 4 | 2 | 4 | No | 2008 | Yes |

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| | D | | | | | | | | |
| | Project | | Environ. | | | | or ROW | Date or | ln |
| Agency | ID | Improv. | Review | Facility | From | То | acquired? | Status | TIP? |
| Distric | t of Co | lumbia | | | | | | | |
| DCDOT | | Recons | truct | K St. Busway | Mt. Vernon Sq./7th St. NW | Wash.Circle / 23rd St. NW | | 2008 | |
| Maryla | ind | | | | | | | | |
| MTA | | Constru | ct | Southern MD Commuter Bus Initiative | Park-and-Ride lots and increase bus service | in the MD 5 corridor | | 2010 | Yes |
| MDOT | | Implem | ent | ICC Corridor Bus Service Improvements | | | | 2010 | |
| Montg | omery | Count | V | | | | | | |
| Mont.Co. | | _ | | Norbeck Road Park and Ride | Norbeck Road at Georgia Avenue | | | 2010 | Yes |
| MONL.CO. | | | | Randolph Road Bus | Avenue | | | 2010 | 165 |
| Mont.Co. | | | | Enhancement | | | | 2010 | No |
| Virgini | ia | | | | | | | | |
| VDOT | | Constru | Pending | Park-and-Ride Lot | VA 7900 (F-S Pkwy.) PnR | @ Backlick Road North | No | 2006 | Yes |
| VDE | | | | VRE - Cherry Hill Commuter | Oh a ma i I iili | Drings Milliam County | NI. | 0000 | \/ |
| VRE | | Constru | Pending | Rail Station Service Improvements | Cherry Hill Fredericksburg and | Prince William County | No | 2006 | Yes |
| VRE | | Implem | Pending | (Reduce Headways) | Manassas lines | | No | 2010 | No |

ATTACHMENT D



Robert L. Ehrlich, Jr. Governor

Michael S. Steele Lt. Governor

Robert L. Flanagan Secretary

James F. Ports, Jr. Deputy Secretary

November 10, 2004

The Honorable Christopher Zimmerman
Chairman
National Capital Region Transportation Planning Board
Metropolitan Washington Council of Governments
777 North Capitol Street, N.E., Suite 300
Washington D.C. 20002-4239

Dear Chairman Zimmerman:

As you are aware, the Maryland Department of Transportation (MDOT) requested that conformity analysis be performed on two different Constraint Long Range Plans (CLRP). The only difference between the two CLRPs was the alignment corridor for the Intercounty Connector (ICC) project.

Now that the analysis is complete, MDOT requests that TPB proceed with the CLRP that includes Corridor 1, Master Plan alignment, as a placeholder for the ICC, since the analysis generally demonstrated higher emission levels and therefore represented a "worst case" for air quality conformity purposes.

Thank you for your cooperation during this process. If you have any questions or concerns, please do not hesitate to contact Mr. Ron Spalding, Manager, Regional Planning and Programming at 410-865-1284, toll free at 1-888-714-1313 or by email rspalding@mdot.state.md.us.

Sincerely,

Marsha J. Kaiser, Director

Office of Planning & Capital Programming

cc: The Honorable Robert L. Flanagan, Secretary, MDOT
Mr. James F. Ports, Jr., Deputy Secretary, MDOT
Mr. Ron Spalding, Manager, Regional Planning and Programming, MDOT
TPB members