

**FY 2009 Network Development
Program
for
TPB Travel Forecasting**

Presentation
to the
Travel Forecasting Subcommittee
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Overview: Network Development Program

Supports:




- Transportation modeling activities**
- Air quality conformity determination**

Work Tasks:

- Update base year highway and transit networks**
- Develop forecast year networks**



Time-Line for Network Development and Air Quality Conformity Activities

	FY-2009											
	Calendar 2008						Calendar 2009					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Transportation Network Maintenance:												
1 Network Review by state and local transportation agencies.												
2 Network review by Model, GIS, and Systems applications groups.												
3 Update GIS-based highway network database.												
4 Solicit transit information from regional transit providers.												
5 Update catalogues and transit files with current data.												
6 Network conflation to Navteq Street base.												
7 Test and Impliment new GIS-based network mangement application.												
Air Quality Conformity Process:												
	2008 CLRP/ FY2009-14 TIP						2009 CLRP / FY2010-15 TIP					
8 Request CLRP and TIP project submissions.						X						
9 Deadline for project submissions.							X					
10 Public comment on project submissions begins.							X					
11 Public comment on project submissions ends.								X				
12 Develop transportation networks based on project submissions.												
13 Execute travel demand and emissions models.												
14 Summarize and analyze results.												
15 Prepare CLRP and TIP draft documents.												
16 Begin public comment on conformity results.						X						X
17 End public comment on conformity results.							X					
18 Adoption of CLRP and TIP by TPB.								X				
 Network Development Tasks												
 Model Applications Tasks												
 TPB Action												



Report Overview

This report presents the following:

- 1. Overview of network development program.**
- 2. Project elements in the 2008 CLRP**
- 3. Network inputs to the Version 2.2 travel model**
- 4. Planned improvements in network development**



Significant Updates to the 2008 CLRP

- **Additions**

1. **Access to Ft. Belvoir Engineer Proving Ground (EPG):**
From I-95 and Fairfax County Parkway (BRAC)
2. **Columbia Pike Streetcar from Skyline to Pentagon City**
3. **Fairfax Connector Service Transit Development Plan**

- **Changes**

1. **Extend I-495 Capital Beltway HOV-HOT Lanes:**
From Georgetown Pike to the American Legion Bridge and Hemming Avenue underpass to one mile east of the I-95/395/495 Interchange
2. **I-95/395 HOV-HOT-Bus Lanes Transit Plan Revisions:**
3 new transit stations, Improvements at 4 VRE stations, and 3,750 park and ride spaces



Planned Improvements in Network Development

- **Improving the use of GIS in network development**
- **Conflation of highway network to the NAVTEQ street base**
- **Revised TAZ system**
- **Revised network numbering system**

