

Air Quality Conformity Analysis

of the

2014 Constrained Long Range Plan

& FY 2015-2020 Transportation Improvement
Program

STATUS REPORT

for the

Travel Forecasting Subcommittee

July 18, 2014

Schedule

2014 Financially Constrained Long-Range Transportation Plan (CLRP) & the FY2015-2020 Transportation Improvement Program (TIP)

*October 16, 2013	TPB is Briefed on Draft Call for Projects
*November 20, 2013	TPB Releases Final Call for Projects - Transportation Agencies Begin Submitting Project Information through On-Line Database
December 13, 2013	<u>DEADLINE:</u> Transportation Agencies Complete On-Line Submission of Draft Project Inputs.
March 7, 2014	Technical Committee Reviews Draft 2014 CLRP & FY2015-2020 TIP Project Submissions and Draft Scope of Work for the Air Quality Conformity Assessment
March 13, 2014	Draft 2014 CLRP & FY2015-2020 TIP Project Submissions and Draft Scope of Work Released for Public Comment
*March 19, 2014	TPB is Briefed on Project Submissions and Draft Scope of Work
April 8, 2014	TPB Staff Briefs MWAQC TAC on Project Submissions and Scope of Work
April 12, 2014	Public Comment Period Ends
*April 16, 2014	TPB Reviews Public Comments and is asked to Approve Project Submissions and Draft Scope of Work
June 6, 2014	<u>DEADLINE:</u> Transportation Agencies Finalize Congestion Management Documentation Forms (where needed) and CLRP & TIP Forms. (Submissions must not impact conformity inputs; note that the deadline for changes affecting conformity inputs was April 16, 2014).
September 5, 2014	Technical Committee Reviews the Draft 2014 CLRP, the Draft FY2015-2020 TIP, and the Conformity Assessment
September 11, 2014	The Draft 2014 CLRP, the Draft FY2015-2020 TIP, and the Conformity Assessment are Released for Public Comment at the Citizens Advisory Committee (CAC)
*September 17, 2014	TPB Briefed on the Draft 2014 CLRP, the Draft FY2015-2020 TIP, and the Conformity Assessment
September ??, 2014	TPB Staff Briefs MWAQC TAC on the Draft 2014 CLRP, the Draft FY2015-2020 TIP, and the Conformity Assessment
October 10, 2014	Public Comment Period Ends
*October 15, 2014	TPB Reviews Public Comments and Responses to Comments, and is Presented the Draft 2014 CLRP, the Draft FY2015-2020 TIP, and the Conformity Assessment for Adoption

*TPB Meeting

TECHNICAL APPROACH

	Ozone	Wintertime CO	PM _{2.5}
Pollutant:	VOC, NOx	CO	Direct particles, Precursor NOx
Mobile Model:	MOVES 2010a	MOVES 2010a	MOVES 2010a
Conformity Test:	<u>Budget Test:</u> Using mobile budgets most recently approved by EPA. 2009 attainment and 2010 contingency budgets found adequate for use in conformity by EPA in Feb. 2013. All budgets were set using Mobile6 emissions model and submitted to EPA in 2007.	<u>Budget Test:</u> Using mobile budgets established with the Wintertime CO maintenance plan. All budgets set using Mobile6 emissions model and submitted to EPA in 2007.	<u>Reductions From Base (2002 inventory) Test & Budget Test:</u> With no approved budgets, reduction from base test will be needed; if EPA approves the PM maintenance plan budgets, those budgets must be used.
Emissions Analysis Time-frame:	Daily	Daily	Annual
Vehicle Fleet Data:	2011 vehicle registration data for all jurisdictions		
Geography:	8-hour ozone non-attainment area	DC, Arl., Alex., Mont., Pr. Geo.	8-hr. area less Calvert County
Network Inputs:	Regionally significant projects		
Land Activity:	NEW! Round 8.3		
Modeled Area:	3722 TAZ SYSTEM		
Travel Demand Model:	Version 2.3.57		

ANALYSIS YEARS

for conformity:

➤ 2015

➤ 2017

➤ 2025

➤ 2030

➤ 2040

also:

2020 (for transit constraint)

(Heads Up...) NETWORK INPUT CHANGES

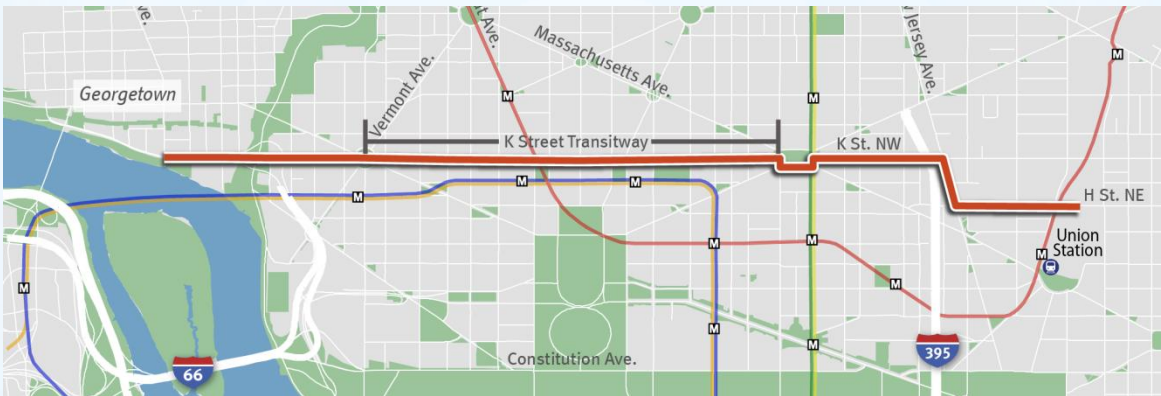
BRT & Streetcar Node Renumbering

LINE	SNAME	OLD STAT	NEW STAT 1
CCT BRT	Comsat	10001	10501
CCT BRT	Dorsey Mill	10002	10502
CCT BRT	Cloverleaf	10003	10503
CCT BRT	Germantown	10004	10504
CCT BRT	Metro Grove	10005	10505
CCT BRT	NIST	10006	10506
CCT BRT	Quince Orchard	10007	10507
CCT BRT	Decoverly	10009	10508
CCT BRT	DANAC	10010	10509
CCT BRT	Washingtonian	10011	10510
CCT BRT	West Gaither	10012	10511
CCT BRT	East Gaither	10013	10512
CCT BRT	Shady Grove	10014	10513
Columbia Pike Streetcar	Conference Ctr	10038	10700
Columbia Pike Streetcar	Pentagon City	10039	10701
Columbia Pike Streetcar	Pentagon ROW	10040	10702
Columbia Pike Streetcar	Arl Memorial	10041	10703
Columbia Pike Streetcar	Heritage Ctr	10042	10704
Columbia Pike Streetcar	Scott/Rolfe	10043	10705
Columbia Pike Streetcar	Courthouse	10045	10706
Columbia Pike Streetcar	Barton St	10046	10707
Columbia Pike Streetcar	Walter Reed	10047	10708
Columbia Pike Streetcar	Glebe	10048	10709
Columbia Pike Streetcar	George Mason	10049	10710
Columbia Pike Streetcar	Four Mile	10050	10711
Columbia Pike Streetcar	Arlington Mill	10051	10712
Columbia Pike Streetcar	Gateway	10074	10713
Columbia Pike Streetcar	Jefferson	10053	10714
Columbia Pike Streetcar	Skyline (N)	10054	10715
US 1 Streetcar	Pentagon City	10055	10720
US 1 Streetcar	CC/PY Crys.City METRO	10056	10721
US 1 Streetcar	CC/PY Arl. 22nd St.	10057	10722
US 1 Streetcar	CC/PY Arl. 25th St.	10058	10723
US 1 Streetcar	CC/PY Arl. 26th St.	10059	10724
US 1 Streetcar	CC/PY Arl. 31st St.	10060	10725
US 1 Streetcar	CC/PY South Glebe Rd.	10061	10726
DC Streetcar- Anacostia	Bolling AFB	10027	10800
DC Streetcar- Anacostia	Anacostia Station- Howard & Firth Sterling	10026	10801
DC Streetcar- Anacostia	Chicago St & MLK AVE	10076	10802
DC Streetcar- Anacostia	Good Hope & MLK Ave	10077	10803
DC Streetcar- Benning Rd	Benning Rd Metro	10080	10810
DC Streetcar- Benning Rd	Benning & 42nd NE	10081	10811
DC Streetcar- Benning Rd	Benning and Minnesota Ave	10082	10812
DC Streetcar- Benning Rd	Benning and 34th NE	10083	10813
DC Streetcar- Benning Rd	Kingman Island	10084	10814
DC Streetcar- H St / Benning Rd	Benning & Oklahoma Ave	10085	10815
DC Streetcar- H St / Benning Rd	Benning and 19th NE	10086	10816
DC Streetcar- H St / Benning Rd	H & MD Ave	10087	10817
DC Streetcar- H St / Benning Rd	H & 13 th NE	10088	10818
DC Streetcar- H St / Benning Rd	H & 8th NE	10089	10819
DC Streetcar- H St / Benning Rd	H & 5th NE	10090	10820
DC Streetcar- H St / Benning Rd	H & 1st NE	10091	10821

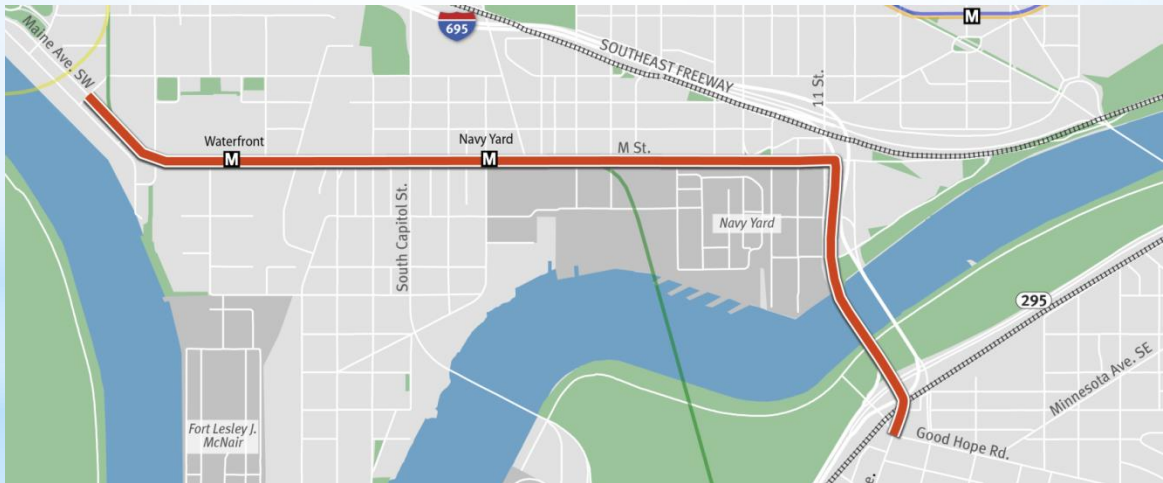
(Heads Up...) NETWORK INPUT CHANGES

- 1) New Base Transit Service
- 2) Additional DC Steetcar Lines

Union Station to Georgetown



M Street SE/SW



- 3) Significant Bus Service Changes
Associated with the Siver Line

(Heads Up...)
NETWORK INPUT CHANGES

TOLL INCREASES

- Dulles Greenway
- Dulles Toll Road

TRANSIT FARE INCREASES

- VRE
- OmniRide
- Virginia Regional Transit

DID NOT INCLUDE
WMATA JULY, 2014 FARE INCREASES

(Heads Up...)
**TRAVEL DEMAND MODEL
CHANGES**

Version 2.3.57
**NO SIGNIFICANT CHANGES TO
RESULTS**

- 1) Migration from Cube Voyager 6.0.2 to
Cube Voyager 6.1 SP1
- 2) Walkshed creation is now part of
standard model execution
- 3) Walk access script (walkacc.s) bug fix

FINAL RESULTS: OCTOBER, 2014