

Air Quality Conformity Analysis

FY2021-2024 Transportation Improvement Program & 2020 Amendment to the Visualize 2045 Plan

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Travel Forecasting Subcommittee
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MINOR UPDATE TO THE PLAN

❖ No Financial Analysis

❖ No Performance Analysis



POLLUTANTS

- ❖ Volatile Organic Compounds (VOC)
- ❖ Nitrogen Oxides (NO_x)
- ❖ Greenhouse Gases (not officially for conformity)



ANALYSIS YEARS

2019, 2021, 2025, 2030, 2040, 2045



NEW FOR PLAN AMENDMENT

❖ Updated Transportation Projects

❖ Round 9.1a Cooperative Forecasts



MAJOR PROJECT CHANGES- DISTRICT OF COLUMBIA

❖ Bicycle Lanes, Districtwide

- 9th St. NW from Florida Ave. to Constitution Ave.
- Dalecarlia Pkwy. NW from Loughboro Rd. to Westmoreland Circle
- Florida Ave. NE from 2nd St. to 14th St.
- K St. NE from 1st St. to 8th St.
- M St. SE from Half St. to 11th St.
- Mount Olivet Rd. NE from Brentwood Pkwy. to West Virginia Ave.
- Nebraska Ave. NW from New Mexico Ave. to Loughboro Rd.
- Pennsylvania Ave. SE from 2nd St. to 17th St.

❖ Peak Period Bus-Only Lanes

- H St. NW from 14th St. to 19th St.
- I St. NW from 13th St. to Pennsylvania Ave.

❖ K ST. NW Transitway

- Construct two segments from 9th St. to 12th St. and from 12th St. to 21st St.



MAJOR PROJECT CHANGES- VIRGINIA

- ❖ Modify I-495 Capital Beltway Express Lanes
 - Construct 3 additional ramps near Dulles Toll Road interchange
 - Continuation of Peak Period NB Shoulder Lane

- ❖ Construct reversible ramp from I-95 at Opitz Dr.

- ❖ Construct VA 28 Manassas Bypass from VA 234 Sudley Rd. to VA 28 Centreville Rd.

- ❖ Widen VA 55 from US 29 to the Town of Haymarket

- ❖ Widen VA 123 from VA 267 Dulles Access Rd. to VA 634 Great Falls St.

- ❖ Widen VA 286 Fairfax County Parkway from US 29 Lee Hwy. to Rolling Rd.

- ❖ Construct West End Transitway Phase II (Southern Segment) from Van Dorn Street Metro to Landmark Mall



ROUND 9.1a COOPERATIVE FORECASTS

- ❖ Updates to BMC & FAMPO Planning Areas Only
- ❖ Adjustments to Employment Factors
 - Provide Consistent Definition For All Jurisdictions
 - Based on 2015 Bureau of Labor Statistics Data, Census Bureau Data, and Military Personnel Data
- ❖ Updated External, Miscellaneous, and Airport Trip Forecasts



TECHNICAL METHODS & INPUTS

- ❖ Version 2.3.78 Model
 - No Change to Travel Demand Results When Compared to V2.3.75
- ❖ Updated Consumer Price Index Information
 - Based on 2018 data
- ❖ Updated Transit Fares
 - WMATA Tariff #38 (effective February 5, 2018)
 - VRE, MARC fares current to July 2019
- ❖ Updated Highway Tolls (on fixed-rate facilities)
 - Current to July 2019



TECHNICAL METHODS & INPUTS

❖ Transit Constraint

- NO Metrorail “Capacity Constraint” (removed with March 2018 passage of annual funding for WMATA agreement)

❖ HOV/HOT Conversion Policies

- VA: All HOV 2+/hot 2+ facilities become HOV 3+/HOT 3+ in 2020 and beyond except I-66 inside the Beltway, which will convert to HOT3+ when I-66 outside the Beltway opens
- MD: All HOV facilities remain HOV2+ through 2045



SCHEDULE

July 2019

- TPB approval of project inputs and scope of work for air quality conformity analysis

December 2019

- Financial updates for FY2021-2024 TIP due

January 2020

- Public forum on new TIP and results of air quality analysis (begin public comments)

February 2020

- TPB briefed on draft new TIP and results of conformity analysis

March 2020

- Public comment period ends
- TPB approval of FY2021-2024 TIP, 2020 Amendment to the Visualize 2045 Plan, and air quality conformity analysis

April/May 2020

- Travel Demand Model and inputs become available



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