

Project Submissions and Scope of Work for the Air Quality Conformity Analysis

Lyn Erickson,
TPB Plan Development and Coordination Program Director

R. Earl Lewis,
Maryland Department of Transportation

Andrew Austin,
TPB Transportation Planner

Jane Posey,
TPB Transportation Engineer

Items #8 and #9
Transportation Planning Board
January 17, 2018



Constrained Element of Visualize 2045

TPB Action

- Approve the “What”: project submissions for inclusion into the Air Quality Conformity Analysis
- Approve the “How”: the Air Quality Conformity Analysis scope of work

Public comment period ended on January 13



January 2017

- Update Kickoff

Summer 2017

- Public Outreach Phase 1
- Financial Analysis Begins

October 18, 2017

- TPB approved Technical Inputs

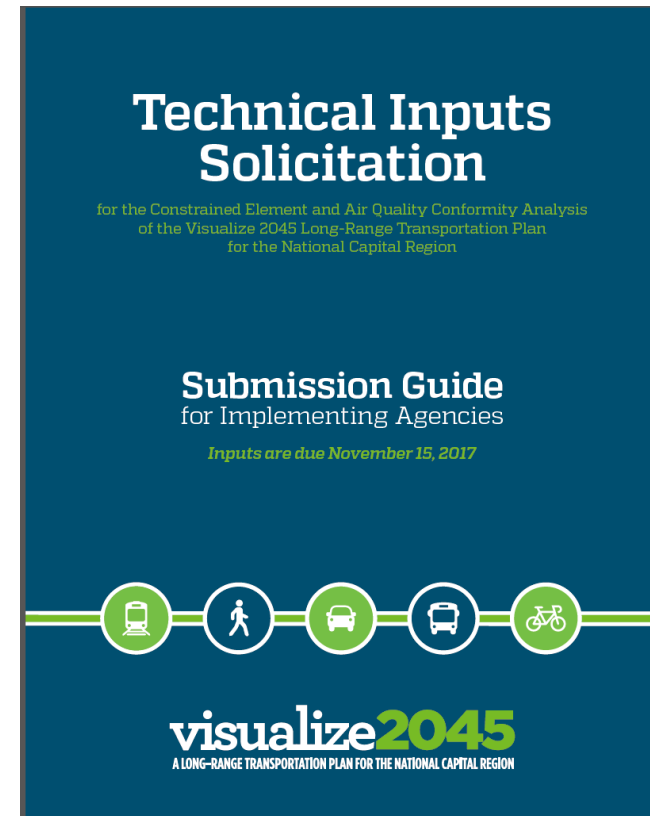
Solicitation document

November 15, 2017

- Deadline for inputs

December 14, 2017 – January 13, 2018

- Public comment period



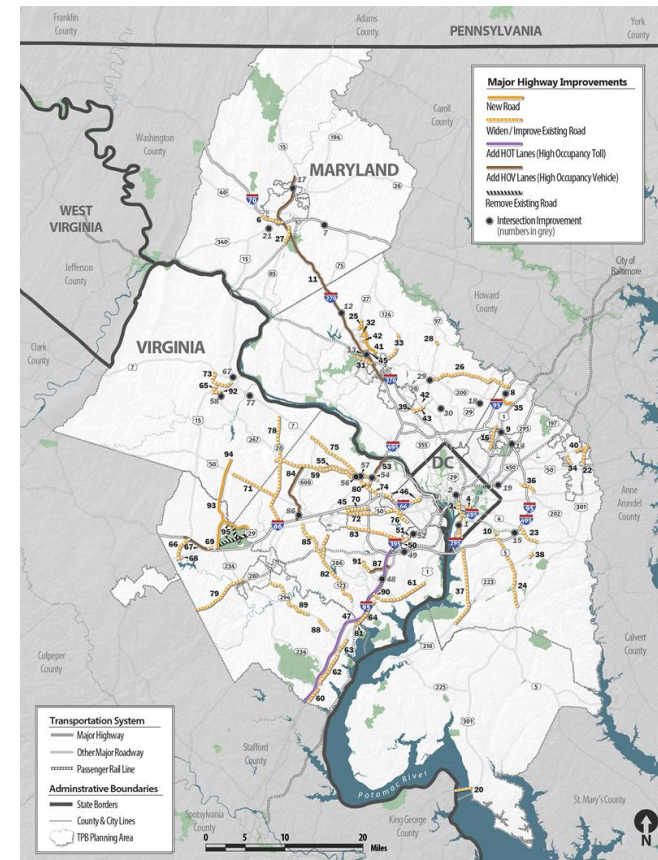
WHAT'S IN THE PLAN?

2016 CLRP Amendment

- Visualize 2045 will build on the baseline of the 2016 Amendment to the Financially Constrained Long-Range Transportation Plan (CLRP).
- 500+ roadway, bridge, transit, bicycle and pedestrian projects

Visualize 2045 Financial Analysis

- \$300 billion in revenue



Major Additions and Changes to Existing Projects

Major New Projects

- Bicycle Lanes, Districtwide
 - 17th St. NW from New Hampshire Ave. to K St.
 - Irving St. NE/NW from Warder St. NW to Michigan Ave. NE
 - K St. NE/NW from 7th St. NW to Florida Ave. NE
 - New York Ave. NE from Florida Ave. to Bladensburg Rd.
 - Pennsylvania Ave. SE from 2nd St./Independence Ave. to Barney Circle

Changes to Existing Projects

- Remove three segments of the planned streetcar network:
 - Anacostia Initial Line from Defense Blvd./S. Capitol St. SE to Howard Rd. SE/Firth Sterling
 - Anacostia Extension from Howard Rd./Firth Sterling to Good Hope Rd. SE
 - M St. SE/SW from Good Hope Rd. SE to Maine Ave. SW



Major Additions and Changes to Existing Projects

Major New Projects

- I-95 Southbound Auxiliary Lane
- US 15 Widening

Changes to Existing Projects

- I-495 Capital Beltway HOT Lanes – Northern Extension
 - Advance from 2030 to 2025
 - Construct two HOT lanes in each direction up to American Legion Bridge to coordinate with Maryland's Traffic Relief Plan
- Remove the planned extension of VRE to Gainesville-Haymarket

Non-Major New Projects

- 28 new roadway, transit, and bicycle/pedestrian improvements



Major Additions and Changes to Existing Projects

Major New Projects

- Implement 100% 8-car trains
- Core station capacity improvements
- Supporting infrastructure and facilities



Major Additions and Changes to Existing Projects

Major New Projects

- I-270 Toll Lanes (Traffic Relief Plan)
- I-495 Toll Lanes (Traffic Relief Plan)
- US 301 Widening
- MD 201 Widening
- MD 97 Reconstruction
- Randolph Road BRT
- North Bethesda Transitway BRT
- MD 355 BRT
- Veirs Mill Road BRT

Changes to Existing Projects

- Widen MD 29 from MD 97 to MD 182 (Reduce Project Scope)
 - Eastern limit changed from I-95 to MD 182 – approx. 8.5 miles shorter
- Remove the planned widening of MD 27 from MD 355 to Snowden Farm Parkway



Public Comment Period

December 14, 2017 – January 13, 2018

Review Comment Summary

Review Proposed Responses



TPB Action

Staff recommendation:

Approve Resolution R9-2018 to approve the project submissions for inclusion in the air quality conformity analysis for Visualize 2045 and the FY 2019-2024 TIP



TPB Action

Approve Scope of Work for the Air Quality Conformity Analysis for Visualize 2045 and FY 2019-2024 TIP



DRAFT SCOPE OF WORK

For the Air Quality Conformity Analysis

Policy and Technical Approach

- The table below summarizes the key elements of the Policy & Technical Approach:

Pollutants	Ozone Season VOC and NOx
Emissions Model	MOVES2014a
Conformity Test	<u>Budget Test</u> : Using mobile budgets most recently approved by EPA. Two possibilities: 1) 2009 attainment and 2010 contingency budgets found adequate for use in conformity by EPA in Feb. 2013; or 2) 2008 Ozone NAAQS Maintenance Plan mobile budgets scheduled to be approved by MWAQC in December and submitted to EPA in early 2018
Vehicle Fleet Data	December 2016 vehicle registration data for all jurisdictions
Geography	8-hour ozone non-attainment area
Network Inputs	Regionally significant projects
Land Activity	Cooperative Forecasts Round 9.1
HOV/HOT	<u>VA</u> : 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 <u>MD</u> : All HOV facilities remain HOV2+ through 2045
Transit Constraint	Metrorail "capacity constraint" procedures - 2020 constrains later years
Analysis Years	2019, 2020, 2025, 2030, 2040, 2045
Modeled Area	3,722 TAZ System
Travel Demand Model	Version 2.3.70 or latest



After Scope is Approved Spring/Summer 2018

- Conduct air quality and system performance analyses
- Develop FY 2019-2024 TIP
- Public Outreach Phase 2

September 13 – October 13, 2018

- Final public comment period

October 17, 2018

- TPB asked to approve:
 - Constrained Element
 - Air Quality Conformity Analysis
 - FY 2019-2024 TIP



Lyn Erickson

TPB Plan Development and Coordination Program Director
(202) 962-3319
lerickson@mwkog.org

Andrew Austin

TPB Transportation Planner
(202) 962-3353
aaustin@mwkog.org

Jane Posey

TPB Transportation Engineer
(202) 962-3331
jposey@mwkog.org

Metropolitan Washington Council of Governments
777 North Capitol Street NE, Suite 300
Washington, DC 20002

