

VISUALIZE 2050

National Capital Region Transportation Plan

Agenda Item 3

VISUALIZE 2050 CONFORMITY INPUTS AND SCOPE OF WORK

Visualize 2050 & FY 2026-2029 TIP

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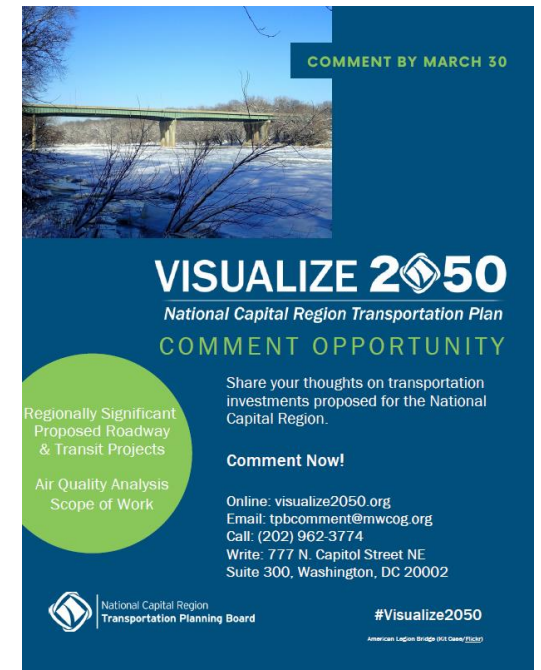
Travel Forecasting Subcommittee
March 22, 2024



National Capital Region
Transportation Planning Board

Comment Period Outreach Methods

- Ambassadors – Sample web, news, social content, and graphics
- Email announcements (TPB News subscription list, committee mailings)
- News ads – The Washington Post, AFRO News, Washington Hispanic
- News release – shared through COG/TPB e-news and website
- Social media (Twitter, Facebook, LinkedIn)
- Web - Visualize2050.org and mwcog.org\tpbcomment
- PDF flyer with comment period description, call to action, key dates, contact info
- Comment by Visualize 2050 MetroQuest form
- Other ways to comment: email, phone, letter, March TPB meeting



Comment Period Materials

- Visualize 2050 Website
 - Air Quality Conformity Project Input Table
 - Air Quality Conformity Scope of Work
 - MetroQuest Comment Form (English and Spanish)
 - Other methods to provide input (email, phone, writing, in-person at TPB meeting)
 - Project Summary Table
 - Detailed Project Information Packets
 - State Responses to Last Comment Period
- COG Website





March 1, 2024

**AIR QUALITY CONFORMITY ANALYSIS:
VISUALIZE 2050 & FY 2026-2029 TIP**

DRAFT SCOPE OF WORK

I. INTRODUCTION

The list of projects solicited for the Visualize 2050 National Capital Region Transportation Plan and the FY 2026-2029 Transportation Improvement Program (TIP) is scheduled to be finalized at the May 15, 2024 meeting of the National Capital Region Transportation Planning Board (TPB). This work effort addresses requirements associated with attainment of the ozone National Ambient Air Quality Standards (NAAQS). Volatile organic compounds (VOC) and nitrogen oxides (NOx) are ozone precursor pollutants.

The amended plan must meet air quality conformity regulations: (1) as originally published by the Environmental Protection Agency (EPA) in the November 24, 1993 Federal Register, and (2) as subsequently amended, most recently on March 14, 2012, and (3) as detailed in periodic Federal Highway Administration (FHWA) / Federal Transit Administration (FTA) and EPA guidance. These regulations specify both technical criteria and consultation procedures to follow in performing the assessment.

This scope of work provides a context in which to perform the conformity analyses and presents an outline of the work tasks required to address all regulations currently applicable.

II. FEDERAL REQUIREMENTS

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 budgets
2. Contribute to annual emissions reductions

A-1

Air Quality Conformity Scope of Work

- Visualize 2050 & FY 2026-2029 TIP air quality analysis must comply with Air Quality Conformity (AQC) regulations



Pollutants	Ozone Season VOC and NOx
Emissions Model	MOVES4 NEW
Conformity Test	<u>Budget Test</u> : Using EPA approved mobile emissions budgets from the 2008 Ozone NAAQS Maintenance Plan
Vehicle Fleet Data	December 2023 vehicle registration data NEW
Geography	8-hour ozone non-attainment area
Network Inputs	Regionally significant projects
Land Activity	Cooperative Forecasts Round 10 NEW
HOV/HOT	<u>VA</u> : I-66, I-95, I-395, and I-495 are all HOT3+; all HOV facilities will be HOV2+ through 2050 <u>MD</u> : HOV facility on US 50 will remain HOV2+ through 2050; HOV facility on I-270 will convert from HOV2+ to HOT3+ when additional lanes are added;
Roadway Restrictions	Roadway restrictions, such as truck prohibitions, are reflected in the travel model network using information supplied by the Departments of Transportation
Transit Constraint	No Metrorail “capacity constraint” (removed with March 2018 passage of annual funding for WMATA agreement)
Analysis Years	2025, 2026, 2030, 2040, 2045, and 2050
Modeled Area	6,800 square mile area with 3,722 Transportation Analysis Zones (TAZs)
Travel Demand Model	Gen2/Version 2.4 or latest

Page A-4 of March 1, 2024 Draft Air Quality Conformity Scope of Work

AQC Scope of Work – Policy & Technical Approach

- Summary of Key Elements
 - Network Inputs
 - Land Activity
 - HOV/HOT



Air Quality Conformity Project Inputs Table

	PIT Project ID	ConID	Scenario	Improvement	Facility	From	To	Projected Completion Date
DDOT								
1	6103	794	LHOWEXF	Implement	DC Circulator Expansion	Rosslyn to Dupont Circle Route	Extension to U St./Howard University	2026
2	T5754	613	DCSTHST2	Construct	Benning Road Streetcar Extension	Oklahoma Avenue NE	45th Street/Benning Road Metro	2026 2030
3	CE3081	610	DCSTGTWN	Implement	Union Station/Georgetown Streetcar	K Street/34th Street NW	3rd Street/H Street NE	2040
4	T3212			Implement	H St. and I St Bus lanes Phase 2	13th St. NW	Pennsylvania Ave NW	2021 completed
5	3212 T13580	7835 32666		Study-Implement	H St. NW Bus Improvements	14th St. NW	North Capitol St.	not coded-2022 completed
6	CE3081			Construct	K St. NW Transitway	9th St. NW	21st St. NW	2026
7	T13585	32690		Implement	U St. NW Bus Improvements	18th St. NW	9th St NW	2025
9	3212 T13588	31057 31058 31059		Implement	8th St. SE Bus Improvements			2024
10	T13583	32646		Implement	11th St. NW Bus Improvements	Pennsylvania Ave NW	G Street NW	2024

- 600+ segments of highway/transit regionally significant projects for coding in the travel demand model
- Used for air quality conformity analysis of Visualize 2050 & FY 2026-2029 TIP
- Highlighting indicates changes from the current Visualize 2045 plan

Blue – strikethrough, not continuing

Yellow – updates, new projects/segments

- To be approved by TPB in May 2024

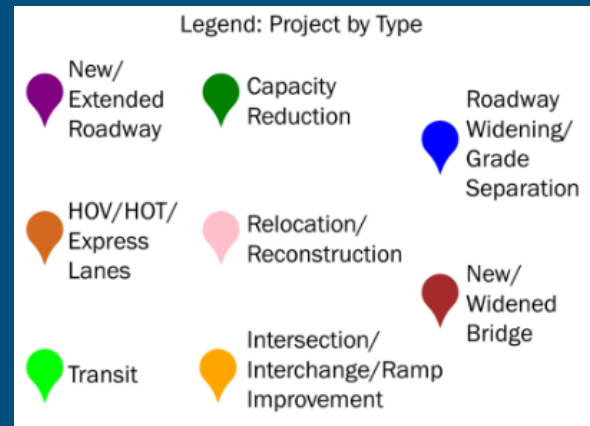
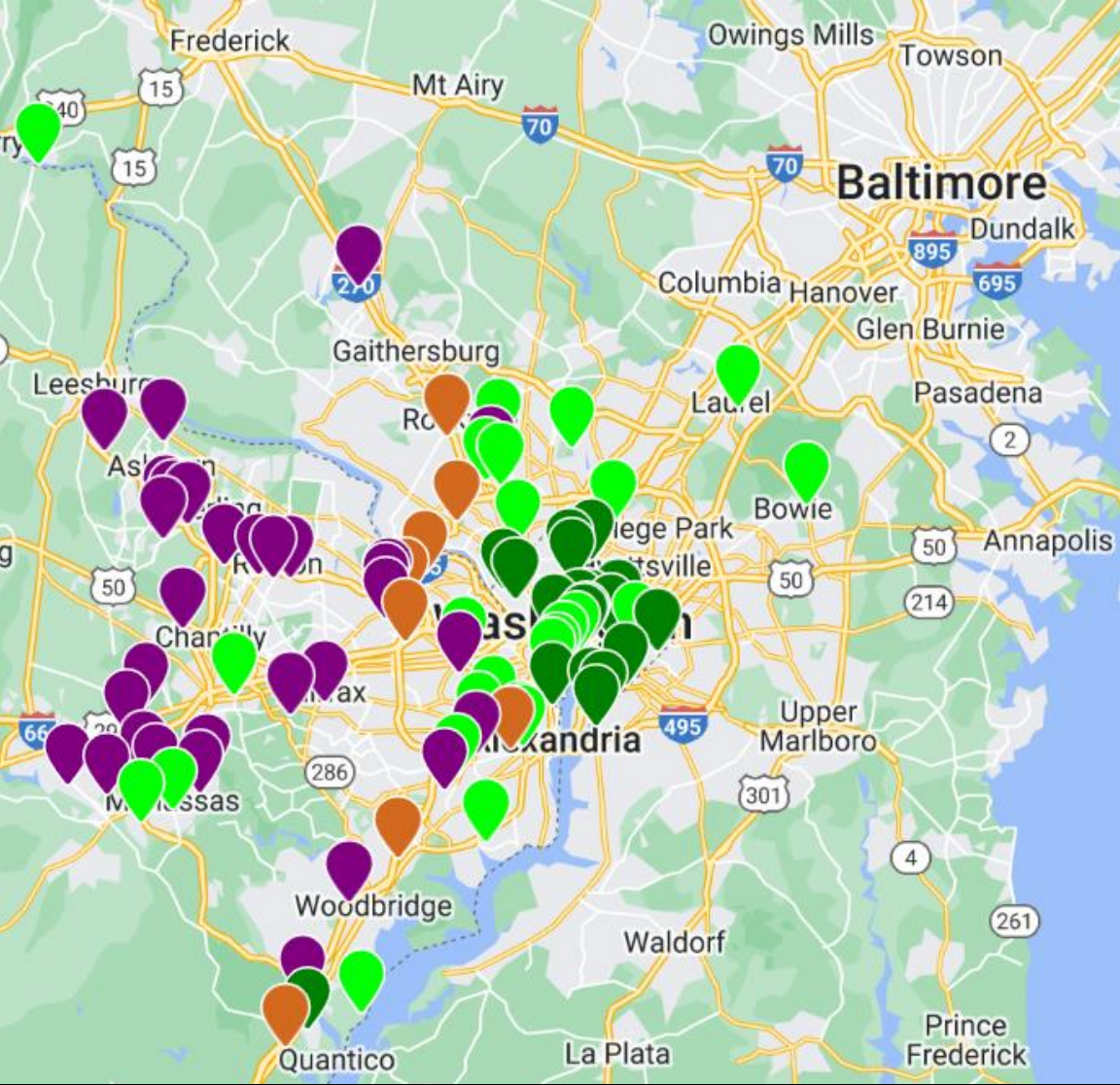
MetroQuest Comment Form

- New way to submit comments on project inputs
- Available at visualize2050.org
- Consists of five screens:
 - Introduction
 - Transportation & Air Quality
 - Two project screens
 - Wrap-Up



Multimodal Access and Capacity Reduction Projects

- Roadway Extension
- Transit
- HOV/HOT/Express Lanes
- Roadway Capacity Reduction



METROQUEST SAMPLE PAGE

Schedule

Visualize 2050 Development Major Tasks

Constrained Element Tasks	Timing
1. Re-examination of Projects/Programs/Policies <i>Current approved Plan and TIP</i>	Now through December 29
2. Financial Plan Revisions (Plan and TIP)	Now through March 2025
3. Submission of Projects/Programs/Policies <i>For Regional Air Quality Conformity Analysis</i>	Now through December 29
4. Public Comment on Project Inputs and Air Quality Conformity (AQC) Scope of Work	March 1 – March 30, 2024
5. Board approval of Project Inputs and AQC Scope of Work	May 2024
6. AQC Analysis <i>Using updated Motor Vehicle Emissions Budgets</i>	May 2024 through February 2025
7. Comment Period on Conformity Analysis Results	April 1-30, 2025
8. Board approval of AQC Analysis, Visualize 2050 and FY 2026-2029 TIP	June 2025



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