# Slide 1:

# Presentation Title: Facilitated Review: Technical Inputs to the Air Quality Conformity Analysis for the Visualize 2045 Update

Karen Armendariz  
Public Outreach Specialist

Access for All Committee

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Logo: Visualize 2045 – a long range transportation plan for the National Capital Region

Slide 2: The Visualize 2045 Long-Range Plan Update 2022

Graphic of Timeline from Begin Plan through Finalize Plan with years 2020, 2021, 2022 down the middle and two categories of work above and below the years.

Categories of work:

* Technical Policy Work
* Public Participation

Technical Policy Work (through 2021 and 2022):

* TPB Member, Transportation Agencies Submit New Projects
* Planning Policy and Technical Analysis
  + Financial Constraint
  + System Performance
  + Air Quality Conformity
  + Planning factors and emerging issues impacting transportation
* Develop Plan – prepare text and online materials

Public Participation work (through 2021-2022):

* Public Outreach Phase 1 – public opinion research
* Public Comment Period – Long-range transportation plan (LRTP) and air quality conformity inputs
* Public Outreach Phase 2 – Regional discussions on issues impacting transportation
* Public Comment Period – LRTP, transportation improvement program (TIP) and air quality conformity component

In a separate section, Plan Approval Process:

* April 2022 – TPB Review of Draft Plan
* May 2022 – Board guidance on public comment response
* June 2022 – Plan presented to TPB seeking approval
* Fall 2022 – Anticipated Federal approval

Slide 3: Two Parts of the Plan

Plan’s Constrained Elements

* Projects from approved local plans
* Projects are vetted through local planning processes
* Constrained

Rest of the Plan

* Vision and Goals
* Reflects Where We are Today
* Factors we must Consider when Planning for the Future
* Strategies for a Better Future (and more)

Slide 4: What are some constraints?

Federal Requirements

* Fiscal constraint: expected revenues must cover project list
* Projects included through about a 20- year (minimum) horizon 2045

Air Quality Conformity Analysis

* Certain project types required – those that impact capacity

Funding Availability and Silos

* Much of fed/state project funding is dedicated to specific uses, allocated through formulas
* About 80% of funding goes to maintenance

Slide 5: What is in the constrained element?

* Projects that impact air quality conformity analysis
* Projects that use federal funding

Financial constraint means we can’t include projects that don’t have identified funding sources

Slide 6: How is Visualize 2045 implemented?

* Pilot projects
* Many operational/ technology improvements
* Land use plans, goals, and targets
* TDM/ Telework policies, plans, and programs: Commuter Connections
* State Implementation Plans (SIPs)
* Many bicycle/pedestrian projects

Slide 7: Aspirational Initiatives - Implementation

Implemented mostly outside of the Visualize 2045 constrained element:

* Bring Jobs and Housing Closer Together
* Improve Walk and Bike Access to Transit
* Complete the National Capital Trail
* Provide More Telecommuting and…

Implemented mostly within the Visualize 2045 constrained element:

* Other Options for Commuting
* Move More People on Metrorail
* Expand Express Highway Network
* Expand Bus Rapid Transit and Transitways Regionwide

Slide 8: Proposed Technical Inputs

Slide 9: Comment Period Materials

Visualize 2045 Update – Comment Period Materials – Packet includes:

* Memorandum with overview
  + Background
  + Summary of existing highway, transit and HOV major projects
  + Maps
* Federal and Regional Goals/Initiatives Matrixes
* Major Project Profiles (for new Major Projects and ones already in the plan with significant changes)
* Project Description Sheets – new/changed projects
* Air Quality Conformity Table and Scope of Work

Slide 10: DDOT: New Major Project

In the District of Columbia

* DDOT is proposing to implement bus-only lanes on H and I street.

Screenshot of project summary

Slide 11: VDOT: New Major Project

In Loudoun County, Virginia, the County and VDOT are proposing to:

* Construct a new 4-lane road for completion in 2029, the US-50 North Collector Road

Screenshot of project summary

Slide 12: MDOT: Significant Change to Major Project already in Visualize 2045

* The TRP includes the following changes from the project as reflected in the 2018 plan:
* The entire Maryland Beltway has been changed from two Express Toll Lanes (ETLs) in each direction to 2 High Occupancy Toll (HOT) lanes in each direction.
* The segment from Virginia to MD 355 has a completion date of 2025, which is the same as in the past.
* The segment from MD 355 to the Wilson Bridge completion date was changed from 2025 to 2030. I-270 was changed from adding two ETLs in each direction and keeping the existing High Occupancy Vehicle (HOV) lanes to adding two HOT lanes in each direction, one of which will take away the existing HOV lane in each direction.
* The segment from the Beltway to I-370 maintains its completion date of 2025. The segment from I-370 to I-70 completion date was changed from 2025 to 2030.
* Another stated change is that MDOT has indicated that carpool/vanpools of three or more occupants will ride free.

Slide 13: MDOT: Significant Change to Major Project already in Visualize 2045

In Maryland, MDOT is proposing to update the Traffic Relief Plan:

* The segment from the Beltway to I-370 maintains its completion date of 2025. The segment from I-370 to I-70 completion date was changed from 2025 to 2030.
* Another stated change is that MDOT has indicated that carpool/vanpools of three or more occupants will ride free.

Screenshot of project summary

Slide 14: MDOT: Significant Change to Major Project already in Visualize 2045

In Maryland, MDOT is proposing to update the Traffic Relief Plan:

* The segment from Virginia to MD 355 has a completion date of 2025, which is the same as in the past.
* The segment from MD 355 to the Wilson Bridge completion date was changed from 2025 to 2030. I-270 was changed from adding two ETLs in each direction and keeping the existing High Occupancy Vehicle (HOV) lanes to adding two HOT lanes in each direction, one of which will take away the existing HOV lane in each direction.

Slide 15: Table 1, Visualize 2045 Update - Project Submissions and the Regional Transportation Priorities Plan Goal

Major Projects and Other Projects by Goal

For details on this table, please contact TPB staff

Slide 16: Table 3, Visualize 2045 Update - Project Submissions and the Federal Planning Factors

For details on this table, please contact TPB staff

Slide 17: Table 2, Visualize 2045 Update - Project Submissions and the Aspirational Initiatives

For details on this table, please contact TPB staff

Slide 18:

Karen Armendariz

Public Engagement Specialist

(202) 962-3275  
karmendariz@mwcog.org

mwcog.org/tpb

Metropolitan Washington Council of Governments

777 North Capitol Street NE, Suite 300

Washington, DC 20002