



## MEMORANDUM

**TO:** TPB Technical Committee  
**FROM:** Andrew Austin, TPB Transportation Planner  
**SUBJECT:** Status Report on the Technical Inputs Received for Visualize 2045  
**DATE:** December 1, 2017

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The TPB approved the Technical Inputs Solicitation for the Constrained Element of Visualize 2045 on October 18, 2017. The deadline for inputs was November 15. TPB staff reviewed over 2,000 records including 60 new project records, and 65 new and 250 updated conformity records. Based on the inputs received, TPB staff have determined that the projects from the jurisdictions and agencies listed in this memo should be highlighted as the changes proposed for inclusion in the Constrained Element of Visualize 2045 for this year.

The project inputs are grouped by jurisdiction, and then classified as either a “New Major Project,” a “Change to Existing Major Project,” or “New Non-Major Projects.” The New Major Projects (numbered in the following list) will be described in greater detail using project profiles (still under development) that provide easy-to-understand descriptions, individual project maps, and an explanation of how each project supports the region’s goals. The remaining non-major projects will be summarized in the attached analysis matrix along with the major projects, showing how projects support the goals of the TPB’s Regional Transportation Priorities Plan and the Federal Planning Factors.

## DISTRICT OF COLUMBIA

### NEW MAJOR PROJECTS

The District Department of Transportation (DDOT) has proposed a group of bicycle/pedestrian projects to be included in the Visualize 2045 Constrained Element:

1. Bike Lanes, District-wide
  - Pennsylvania Ave. SE Bike Lanes from 2<sup>nd</sup> St./Independence Ave. SE to Barney Circle
  - 17<sup>th</sup> St. NW Protected Bike Lane from New Hampshire Ave. NW to K St. NW
  - K St. NW Bikeway from 1<sup>st</sup> St. NW to 7<sup>th</sup> St. NW
  - K St. NE Road Diet/Bike Lanes from 1<sup>st</sup> St. NE to Florida Ave. NE
  - Irving St. NE/NW Bike Lane from Warder St. to Michigan Ave.
  - New York Ave. Streetscape/Trail Project from Florida Ave. NE to Bladensburg Rd. NE
  - Complete: 2018, 2023
  - Cost: \$26 million

## CHANGES TO EXISTING MAJOR PROJECTS

DDOT is proposing to eliminate the following segments of the planned streetcar network from the Visualize 2045 Constrained Element:

- 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

## **SUBURBAN MARYLAND**

### NEW MAJOR PROJECTS

The Maryland Department of Transportation (MDOT) has submitted the following projects for inclusion in the Visualize 2045 Constrained Element:

2. I-270 Corridor Toll Lanes from I-495 Capital Beltway to I-70/US 40
  - This project replaces a previously included project in the 2016 CLRP Amendment that widened I-270 with a combination of general purpose lanes and HOV lanes. MDOT has proposed to replace the planned widening and HOV lanes with two managed toll lanes in each direction within the limits of the project.
  - Length: 34 miles
  - Complete: 2030
  - Cost: \$4 billion
3. I-95/I-495 Capital Beltway Toll Lanes from the American Legion Bridge to the Woodrow Wilson Bridge
  - Construct two managed lanes in each direction.
  - Length: 42 miles
  - Complete: 2025
  - Cost: \$4.3 billion
4. Widen US 301 from Governor Harry W. Nice Bridge to I-595/US 50
  - Widen the facility from 4 to 6 lanes.
  - Length: 48 miles
  - Complete: 2045
  - Cost: \$4.6 billion
5. Widen US 1/MD 201 from I-95/I-495 Capital Beltway to north of Muirkirk Rd
  - Widen the facility from 4 to 6 lanes.
  - Length: 7 miles
  - Complete: 2045
  - Cost: \$1 billion
6. Widen MD 97 from MD 390 to MD 192
  - Widen the facility from 6/7 lanes to 7/8 lanes.
  - Length: 1 mile
  - Complete: 2025
  - Cost: \$52 million

The Montgomery County Department of Transportation (MCDOT) has submitted the following projects for inclusion in the Visualize 2045 Constrained Element:

7. Randolph Road Corridor BRT from US 29 to MD 355
  - Length: 10 miles
  - Complete: 2040
  - Cost: \$102 million
  
8. North Bethesda Transitway BRT from Montgomery Mall Transit Center to White Flint or Grosvenor Metro Station
  - Length: 3.5 miles
  - Complete: 2035
  - Cost: \$115 million
  
9. MD 355 BRT from MD 410 East-West Highway to Clarksburg Rd.
  - Length: 22 miles
  - Complete: 2045
  - Cost: \$1.08 billion
  
10. Veirs Mill Road BRT from MD 355 Rockville Pike to MD 97 Georgia Ave.
  - Length: 6.1 miles
  - Complete: 2030
  - Cost: \$80 million

#### CHANGES TO EXISTING MAJOR PROJECTS

MDOT is proposing the following changes to existing projects planned in Visualize 2045:

- Widen MD 28 From MD 97 to MD 182 (Reduce Project Scope)
  - Eastern limit changed from I-95 to MD 182 – approximately 8.5 miles shorter
- ~~Widen MD 27 from MD 355 to Snowden Farm Parkway (Remove Project)~~

#### **NORTHERN VIRGINIA**

#### NEW MAJOR PROJECTS

The Virginia Department of Transportation (VDOT) has submitted the following projects for inclusion in the Visualize 2045 Constrained Element:

11. I-495 Capital Beltway HOT Lanes Extension from VA 738 Old Dominion Dr. to the American Legion Bridge
  - Extend existing 2 HOT lanes in each direction from Old Dominion Drive to American Legion Bridge. New HOT lanes entry/exit ramps at George Washington Parkway. Will coordinate with MDOT Toll Lanes project at American Legion Bridge.
  - Length: 2 miles
  - Complete: 2025
  - Cost: \$500 million

12. Widen US 15 James Madison Highway from Battlefield Parkway to VA 661 Montresor Rd.
  - Widen the facility from 2 to 4 lanes.
  - Length: 3.6 miles
  - Complete: 2025
  - Cost: \$33 million

#### CHANGES TO EXISTING MAJOR PROJECTS

- ~~Virginia Railway Express Gainesville Haymarket Extension~~ (Remove Project)

#### NEW NON-MAJOR PROJECTS

##### Roadway Projects

- VA 621 Elk Lick Rd. Improvements from US 50 to VA 2200 – 2023
- Evergreen Mills Rd. Realignment at Watson Rd. and Reservoir Rd. – 2022
- Moorfield Blvd. Construction from Mooreview Parkway to Moorefield Station – 2020
- Braddock Road Widen from Fairfax County Line to Royal Hunter Drive – 2027
- Croson Lane – Widen from Claiborne Parkway to Old Ryan Road – 2025
- Rock Hill Road Overpass Construct over Dulles Toll Road from VA 5320 and VA 209 – 2030
- Sudley Road Widen from Grant to Godwin – 2021
- Centreville Road Improvements from Liberia Rd. to Phoenix Dr. - 2019
- South 12<sup>th</sup> St. Extension from S. Glebe Rd. to S. Monroe St. – 2019
- Crystal City Streets Program, multiple streets – 2026

##### Transit Projects

- Additional Tracks for High Speed Rail between D.C. and Richmond, VA - 2025
- Alexandria Citywide Bus Shelters – 2024
- Alexandria Next Generation Fare Collection & Technology – 2025
- DASH Real-Time Information Enhancement Project – 2019
- DASH Facility and Fleet Expansion Project – 2022
- Transit Signal Priority on Route 7 and Route 236 – 2020
- Mark Center Transit Center – 2022
- Ballston Multimodal Improvements – 2018
- Ballston-MU Metro Station West Entrance – 2022
- Crystal City Metro Station East Entrance – 2022
- Columbia Pike Transit Stations – 2021

##### Bicycle/Pedestrian Projects

- Backlick Run Multi-Use Trail, Phase 1 – 2023
- Capital Bikeshare in Alexandria – 2024
- Four Mile Run Trail Expansion – 2040
- Holmes Run Trail Connector – 2022
- Old Cameron Run Trail Construction – 2021
- Mt. Vernon Trail at East Abingdon Dr. – 2024
- Potomac Yard Trail Expansion – 2021

## WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

### NEW MAJOR PROJECTS

The Washington Metropolitan Area Transit Authority (WMATA) has submitted the following improvements for inclusion in the Visualize 2045 Constrained Element:

- Implement 100% 8-Car Trains
- Core Station Capacity Improvements
- Supporting Infrastructure
- Complete: 20##
- Cost: \$###

### **NEXT STEPS**

Please review this list of projects to ensure that there are no major new projects or changes that are missing, and review the attached matrix to make sure the responses are correct, logical, and defensible. Please alert TPB staff to any errors in this list, the matrix, or the Air Quality Conformity Input tables by Thursday, December 7.

Over the next week, TPB staff will develop project profiles for the new major projects listed in this memo. The RTPP and Federal Planning Factor analysis matrices will be filled out with the remaining non-major project data. These materials will be provided electronically to staff from the implementing agencies for their review.

On Thursday, December 14 the draft technical inputs will be released for a 30-day public comment period. The materials released will include a summary memo, the project profiles, RTPP and FPF Analysis Matrices, and complete project description sheets. The TPB will be briefed on these projects at its meeting on December 20.

## TABLE 1 VISUALIZE 2045 TECHNICAL INPUTS AND THE REGIONAL TRANSPORTATION PRIORITIES PLAN GOALS

This matrix provides a visual summary of the responses provided by the relevant implementing agencies as to how their proposed projects support the goals identified in the RTPP.

MAJOR PROJECTS*			Goal 1										Goal 2				Goal 3			Goal 4		Goal 5			Goal 6						
Project Description	Estimated Cost	Projected Completion	SOV	HOV	MetroRail	Commuter Rail	Streetcar/LT-Rail	BRT	Exp. Bus	Metrobus	Local Bus	Bicycling	Walking	Other	Disadvantaged Groups	Begin/End in AC	Connect ACs	Non-Auto w/in AC	Maintenance	Reduce Time w/o Capacity	Enhance Safety	Criteria Pollutants	Greenhouse Gases	Long Haul Truck	Local Delivery	Freight Rail	Freight Air	Air Passenger	Amtrak	Intercity Bus	
1. Dedicated Bike Lanes	\$28 million	2018, 2023									☑	☑				☑	☑	☑	☑	☑	☑	☑									
2. I-270 Toll Lanes	\$350 million	2030	☑	☑				☑	☑	☑						☑	☑		☑			☑	☑								☑
3. I-95/I-495 Toll Lanes	\$4.3 billion	2025	☑	☑				☑	☑	☑						☑	☑		☑			☑	☑								☑
4. US 301	\$4.6 billion	2045	☑	☑				☑		☑					☑	☑	☑	☑	☑		☑	☑	☑	☑	☑					☑	
5. US 1/MD 201	\$1 billion	2045	☑		☑			☑	☑	☑	☑	☑													☑						
6. MD 97	\$52 million	2025	☑	☑	☑				☑	☑	☑	☑				☑	☑				☑	☑	☑		☑						
7. Randolph Road BRT	\$102 million	2040			☑		☑	☑	☑	☑	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑								
8. North Bethesda BRT	\$115 million	2035			☑		☑	☑	☑	☑	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑								
9. MD 355 BRT	\$1.08 billion	2045			☑		☑	☑	☑	☑	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑								
10. Veirs Mill Road BRT	\$80 million	2030			☑		☑	☑	☑	☑	☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑								
11. I-495 HOT Lanes (North)	\$500 million	2025	☑	☑				☑			☑	☑			☑	☑		☑			☑	☑	☑	☑	☑	☑					
12. US 15	\$33 million	2025	☑	☑		☑					☑							☑		☑		☑	☑	☑	☑	☑					

\* Major projects are defined as changes to interstates, major arterials, and expressways or freeways with at-grade intersections, as well as dedicated transit facilities.