DEVELOPMENT OF 2020 CONGESTION MANAGEMENT PROCESS (CMP) TECHNICAL REPORT

An Update

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TPB Systems Performance, Operations, And Technology Subcommittee (SPOTS) Meeting
April 23, 2020

Agenda Item 4

National Capital Region
Transportation Planning Board

Previous summary – Dec 5th, 2019

- Requirement for a CMP
- How CMP could help the region
- Series of the CMP technical reports
- Outline of the CMP technical report
- Efforts on re-arranging Chapter 2
- Preliminary Timeline

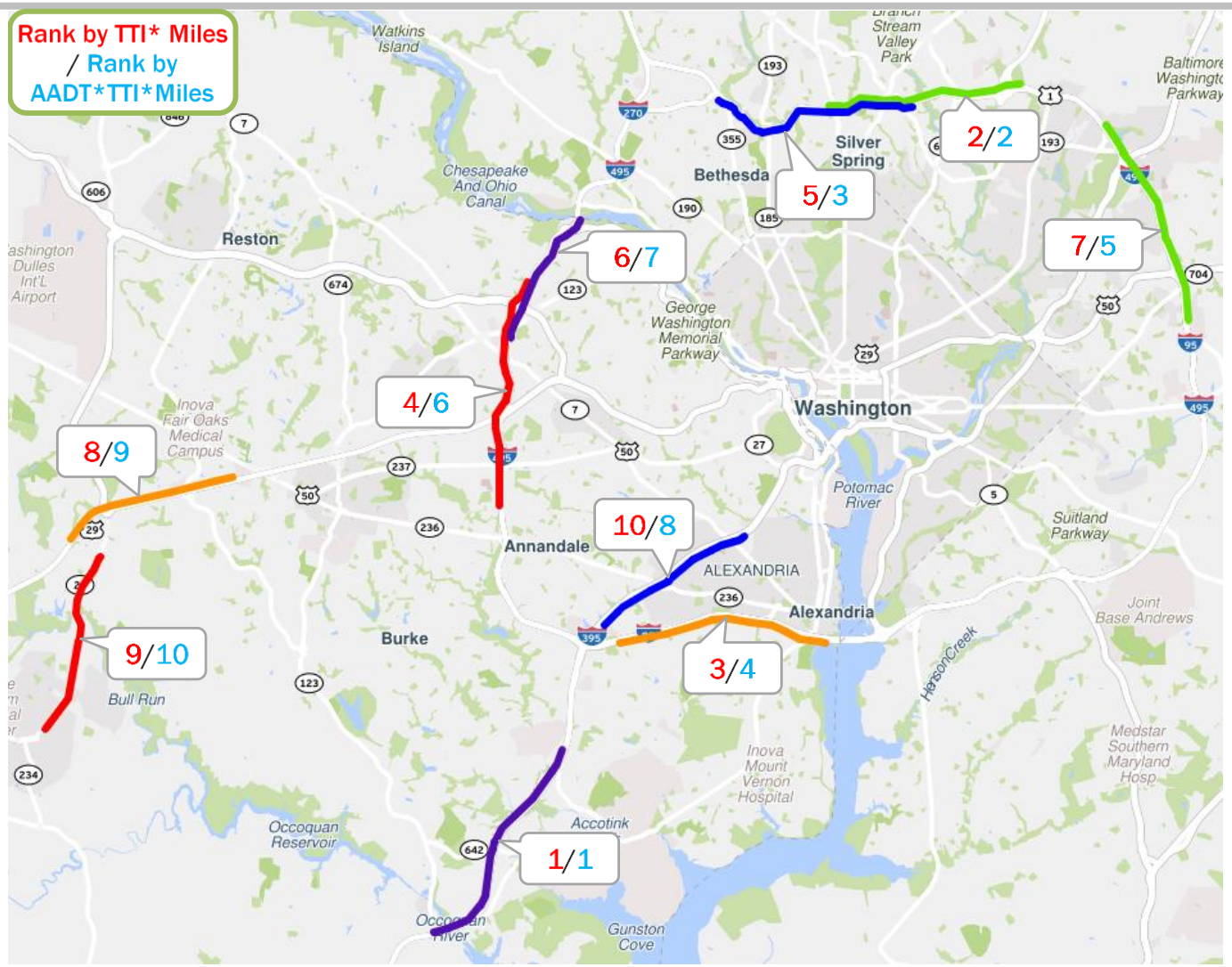
Status quo

- First draft of full report for internal reviews has been disseminated on April 8, 2020.
- TPB Systems Performance, Operations, And Technology Subcommittee would be briefed on April 23, 2020.
- TPB Technical Committee would be briefed on May 1, 2020.

Highlights of the Report

- Among all the others:
  - (2.2.1) I-95 Corridor Coalition Vehicle Probe Project Traffic Monitoring
  - Appendix A – 2019 Peak Hour Travel Time Index
  - Appendix B – 2019 Peak Hour Planning Time Index
  - Appendix C – 2010 And 2017-2019 Travel Times along Major Freeway Commute Corridors
  - (2.4.3) Household Travel Surveys
  - (2.5) National Comparison of the Washington Region's Congestion

(2.2.1.6) Top Bottlenecks



(2.4.3) Household Travel Surveys

- The 2017/2018 Regional Travel Survey (RTS) surveyed 15,976 households in the TPB modeled area from October 2017 through December 2018.
- The survey consisted of two parts: 1) a recruitment questionnaire (Part 1) and; 2) a one-day travel diary (Part 2). A randomly selected and geographically representative sample of households were recruited through mailed invitation letters and reminder postcards.
- The RTS covered 22 major jurisdictions and 111 geographic strata consisting of Census Public Use Microdata Areas (PUMAs) and COG-defined Regional Activity Centers. These include 11 TPB member jurisdictions and Fauquier County.
- Data from the survey will provide insights on whether and how technological and other advances over the last decade have impacted regional travel patterns,

(2.5) National Comparison

Texas A&M Transportation Institute (2017 data)			INRIX Traffic Scorecard (2019 data)			TomTom Traffic Index (2019 data)		
Annual Hours of Delay per Auto Commuter			Average Hours Wasted in Traffic			Extra Travel Time compared to Free Flow Conditions		
Metro Area	Value	Rank	Metro Area	Value	Rank	Metro Area	Value	Rank
Los Angeles	119	1	Boston	149	1	Los Angeles	0.42	1
San Francisco	103	2	Chicago	145	2	New York	0.37	2
Washington	102	3	Philadelphia	142	3	San Francisco	0.36	3
New York	92	4	New York City	140	4	San Jose	0.33	4
Boston	80	5	Washington	124	5	Seattle	0.31	5
Seattle	78	6	Los Angeles	103	6	Miami	0.31	6
Atlanta	77	7	San Francisco	97	7	Washington	0.29	7
Houston	75	8	Portland	89	8	Chicago	0.28	8
Chicago	73	9	Baltimore	84	9	Honolulu	0.28	9
Miami	69	10	Atlanta	82	10	Austin	0.27	10

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