CONGESTION REPORT 3rd Quarter 2019

A quarterly update of the National Capital Region's traffic congestion, travel time reliability, top-10 bottlenecks and featured spotlight

October 18, 2019



ABOUT TPB

Transportation planning at the regional level is coordinated in the Washington area by the National Capital Region Transportation Planning Board (TPB). Members of the TPB include representatives of the transportation agencies of the states of Maryland and Virginia, and the District of Columbia, local governments, the Washington Metropolitan Area Transit Authority, the Maryland and Virginia General Assemblies, and nonvoting members from the Metropolitan Washington Airports Authority and federal agencies. The TPB is staffed by the Department of Transportation Planning of the Metropolitan Washington Council of Governments.

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CONGESTION REPORT

3rd Quarter 2019

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CONGESTION - TRAVEL TIME INDEX (TTI)

Interstate System TTI 3 rd Quarter 2019: TTI Trailing 4 Quarters:	1.34 1.38	↓-0.3% or -0.004 ¹ ↑1.5% or 0.02 ²	Non-Interstate NHS ³ TTI 3 rd Quarter 2019: TTI Trailing 4 Quarters:	1.18 1.19	↑1.4% or 0.02 ↑0.4% or 0.004
Transit-Significant ⁴ TTI 3 rd Quarter 2019: TTI Trailing 4 Quarters:	1.19 1.19	↑1.9% or 0.02 ↑0.0% or 0.00	All Roads TTI 3 rd Quarter 2019: TTI Trailing 4 Quarters:	1.16 1.16	†0.9% or 0.01 †0.2% or 0.00

¹ Compared to 3rd Quarter 2018; ²Compared to one year earlier; ³ NHS: National Highway System; ⁴ See "Background" section.

Figure 1 Monthly Travel Time Index for Total AM peak (6:00-10:00 am) and PM peak (3:00-7:00 pm)



Travel Time Index (TTI), defined as the ratio of actual travel time to free-flow travel time, measures the intensity of congestion. The higher the index, the more congested traffic conditions it represents, e.g., TTI = 1.00 means free flow conditions, while TTI = 1.30 indicates the actual travel time is 30% longer than the free-flow travel time.

RELIABILITY - PLANNING TIME INDEX (PTI)

Interstate System PTI 3 rd Quarter 2019: PTI Trailing 4 Quarters:	1.83 1.91	↓2.7% or -0.05¹ ↑1.1% or 0.02²	Non-Interstate NHS ³ PTI 3 rd Quarter 2019: PTI Trailing 4 Quarters:	1.39 1.43	↑0.1% or 0.001 ↓0.5% or -0.01
Transit-Significant ⁴ PTI 3 rd Quarter 2019: PTI Trailing 4 Quarters:	1.40 1.43	†0.4% or 0.005 ‡1.0% or -0.01	All Roads PTI 3 rd Quarter 2019: PTI Trailing 4 Quarters:	1.34 1.37	↓0.9% or -0.01 ↓0.8% or -0.01

¹ Compared to 3rd Quarter 2018;²Compared to one year earlier; ³ NHS: National Highway System; ⁴ See "Background" section.

Figure 2 Monthly Planning Time Index for Total AM peak (6:00-10:00 am) and PM peak (3:00-7:00 pm)

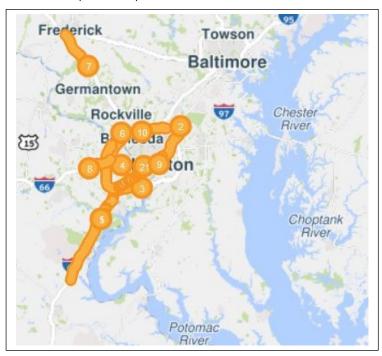


Planning Time Index (PTI), defined as the ratio of 95th percentile travel time to free flow travel time, measures travel time reliability. The higher the index, the less reliable traffic conditions it represents, e.g., PTI = 1.30 means a traveler must budget 30% longer than the uncongested travel time to arrive on time 95% of the instances (i.e., 19 out of 20 trips).

TOP 10 BOTTLENECKS

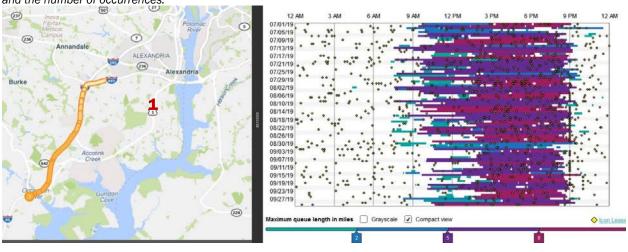
Rank (Last Quarter Rank)	Location	Average duration	Average max length (miles)	Total duration	Impact factor
1 (1)	I-95 S @ VA-123/EXIT 160	9 h 55 m	4.3	38 d 1 h 22 m	183,137
2 (4)	BW PKWY N @ POWDER MILL RD	6 h 48 m	2.2	26 d 2 h 1 m	80,520
3 (**)	I-495 CCW @ WOODROW WILSON MEMORIAL BRIDGE	2 h 53 m	3.89	11 d 2 h 4 m	71,084
4 (5)	I-66 E @ SYCAMORE ST/EXIT 69	6 h 41 m	1.56	25 d 16 h	59,240
5 (3)	I-95 N @ VA-123/EXIT 160	3 h 4 m	3.49	11 d 18 h 35 m	58,952
6 (2)	I-495 CW @ I-270-SPUR	1 h 56 m	4.43	7 d 10 h 46 m	55,501
7 (7)	I-270 S @ MD-109/EXIT 22	2 h 32 m	3.48	9 d 17 h 38 m	55,059
8 (16)	I-66 W @ VA-123/EXIT 60	2 h 52 m	3.44	10 d 23 h 58 m	51,938
9 (**)	DC-295 S @ E CAPITOL ST	7 h 46 m	1.23	29 d 18 h 34 m	49,800
10 (6)	I-495 CCW @ MD-97/GEORGIA AVE/EXIT 31	2 h 8 m	3.21	8 d 5 h 11 m	49,539

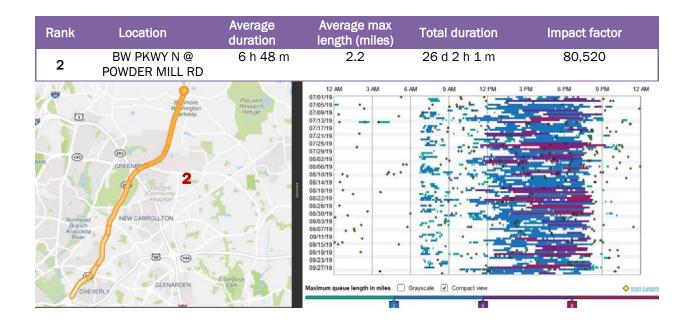
^{**}Not in the top 50 bottlenecks of the previous report.

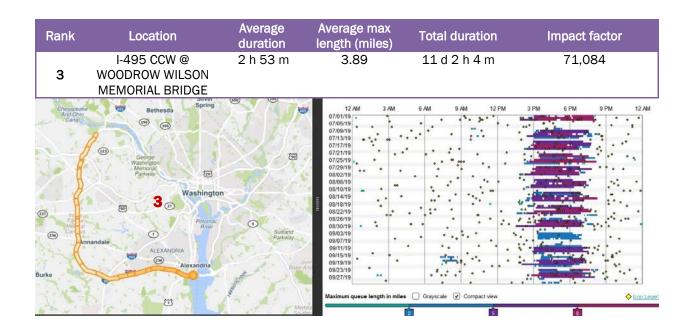


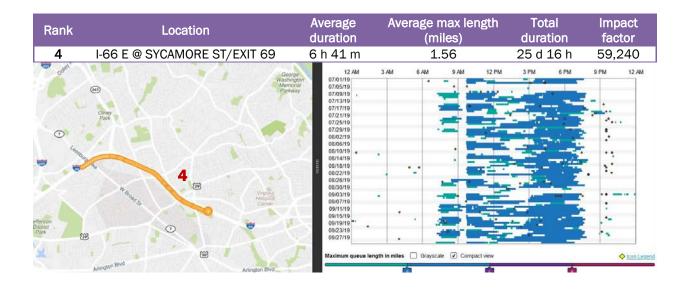
Rank	Location	Average duration	Average max length (miles)	Total duration	Impact factor*
1	I-95 S @ VA- 123/EXIT 160	9 h 55 m	4.3	38 d 1 h 22 m	183,137

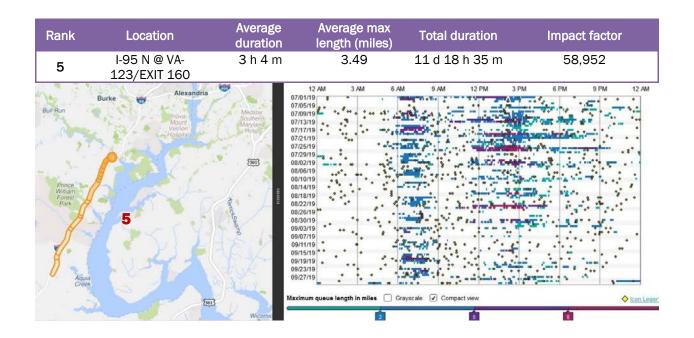
* The Impact Factor of a bottleneck is simply the product of the Average Duration (minutes), Average Max Length (miles) and the number of occurrences.

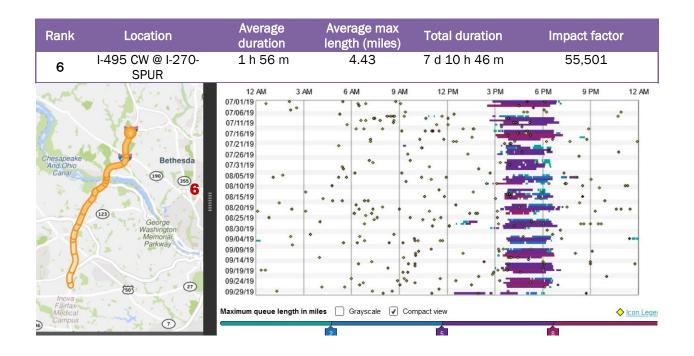


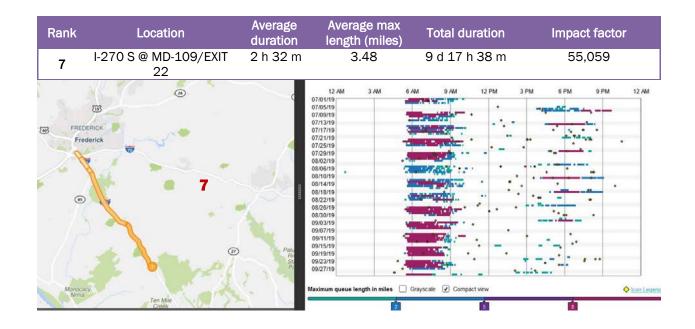


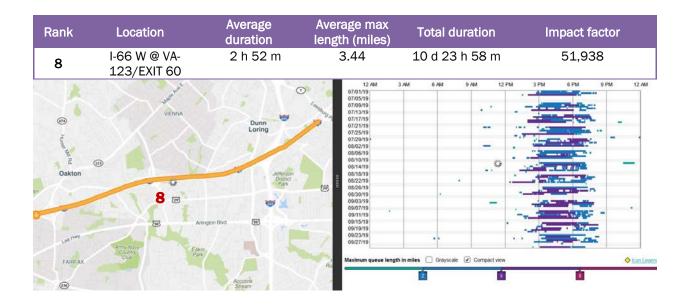


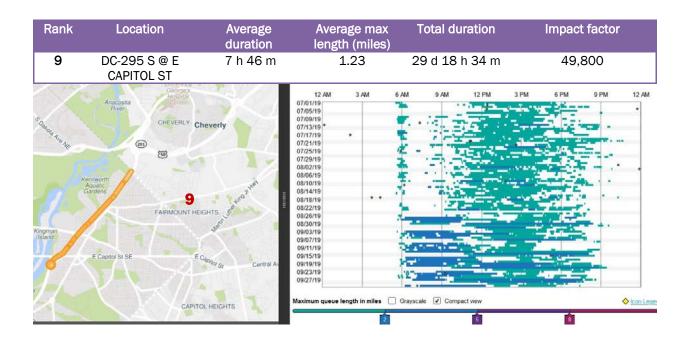


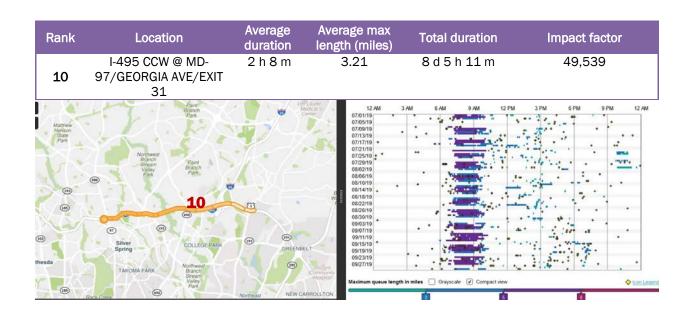




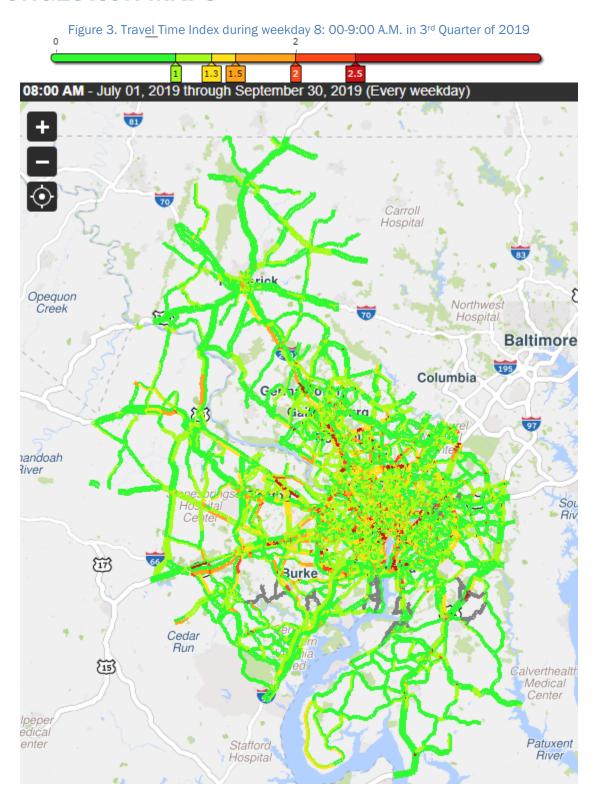


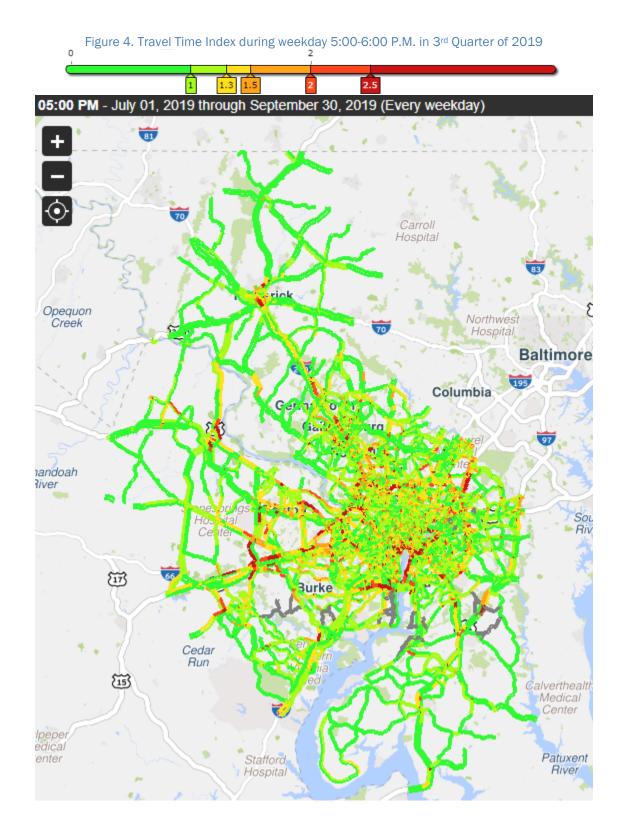






CONGESTION MAPS





2019Q3 SPOTLIGHT

The SPOTLIGHT section of the Regional Congestion Report is on hiatus for the 3rd quarter of 2019.



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