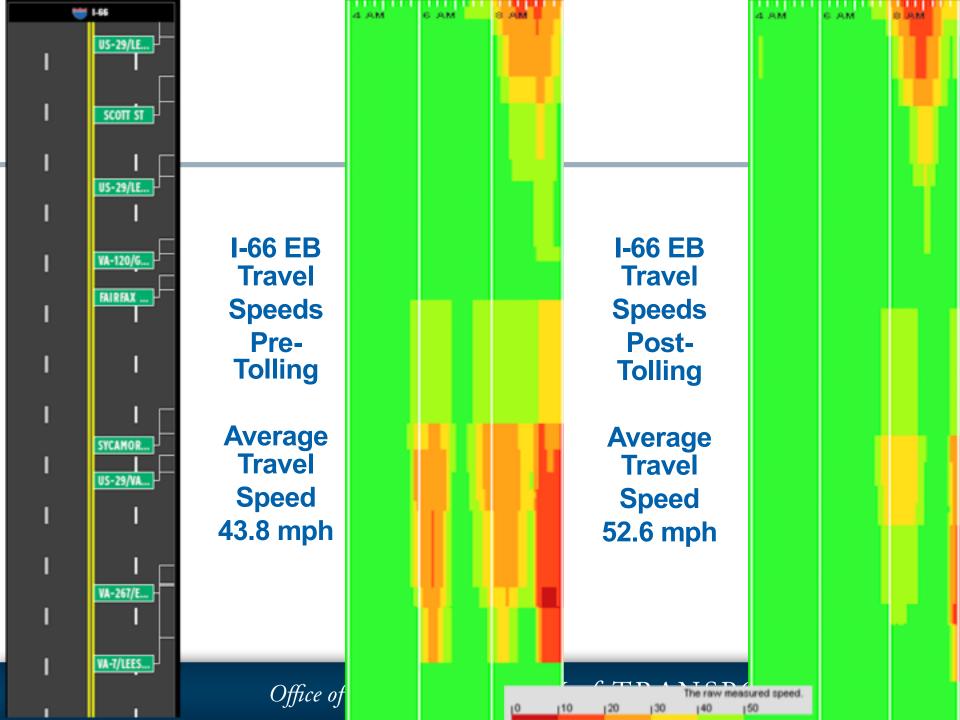
Transform66: Inside the Beltway

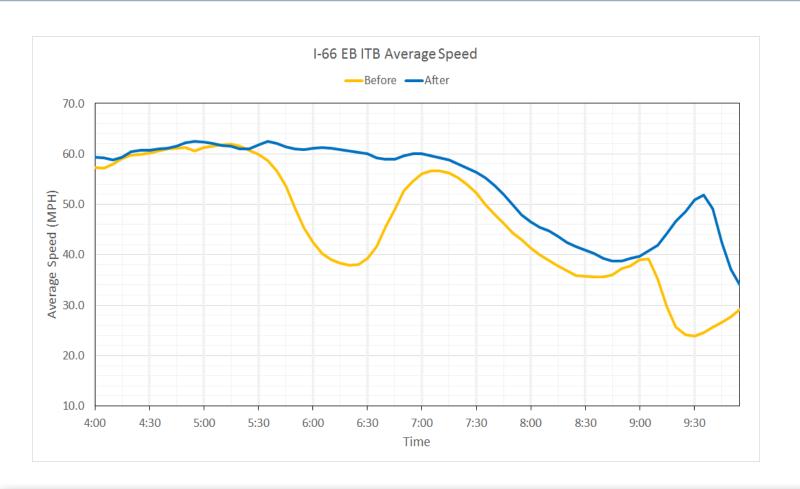
- Result of a multi-year planning that started during the McDonnell Administration
- 2016 compromise reached with General Assembly
 - Convert I-66 to express lanes from 5:30a-9:30a EB and 3:00p-7:00p WB
 - Widening I-66 EB from the Dulles Connector Road to Ballston
 groundbreaking took place last week
 - Re-invest toll revenues in the corridor for improvements recommended by NVTC – \$24M allocated to-date
 - HOV-2 to HOV-3 when 66 Outside the Beltway opens in 2022

Transform66: 6-Month Performance Review

- Morning peak period travel speeds
 - **I-66**
 - Parallel arterials
- Evening peak period travel speeds
 - **I-66**
 - Parallel arterials
- Toll rates and usage
- Morning shoulder period analysis
- Incidents



I-66 Eastbound Average Travel Speeds Pre- and Post-Tolling 6 month comparison

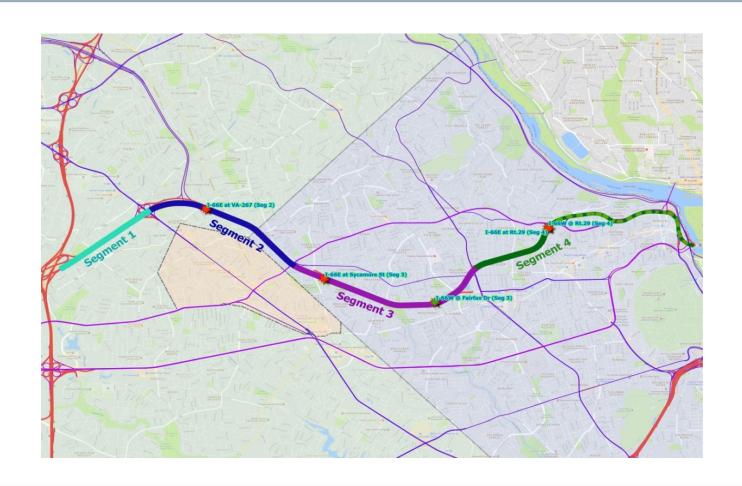


Before 43.8 mph

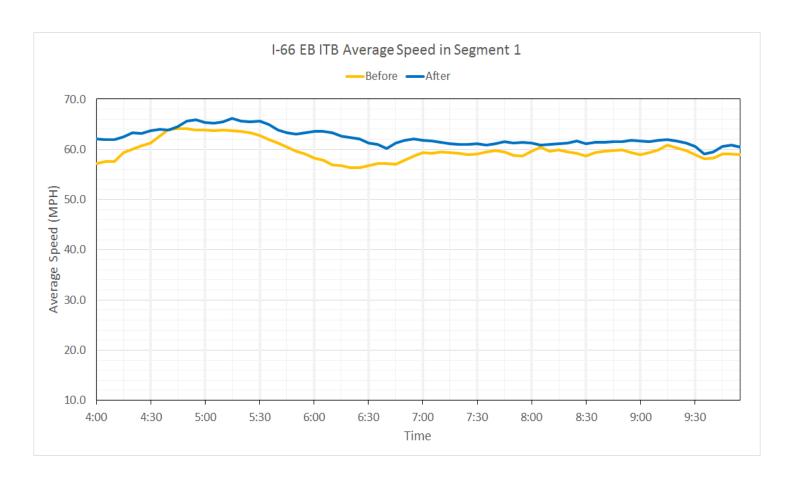
After 52.6 mph

20.1% increase

I-66 Inside the Beltway - Segments



I-66 EB Segment 1 Average Travel Speeds Pre- and Post-Tolling 6 month comparison

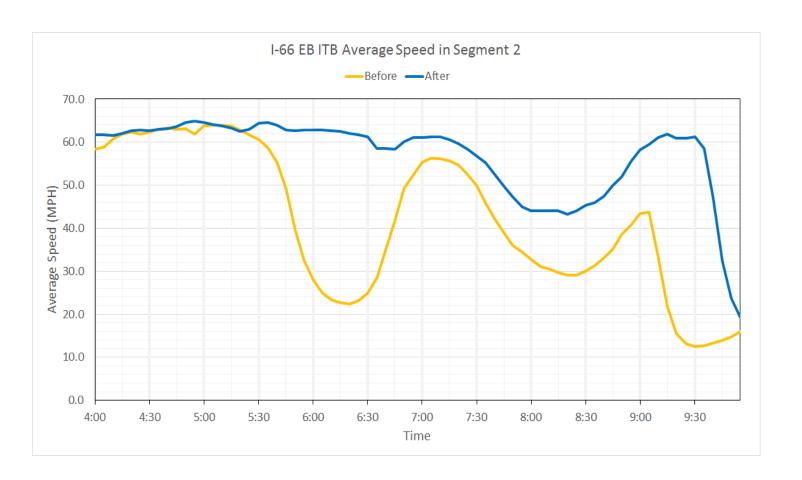


Before 59.1 mph

After 61.9 mph

4.7% increase

I-66 EB Segment 2 Average Travel Speeds Pre- and Post-Tolling 6 month comparison

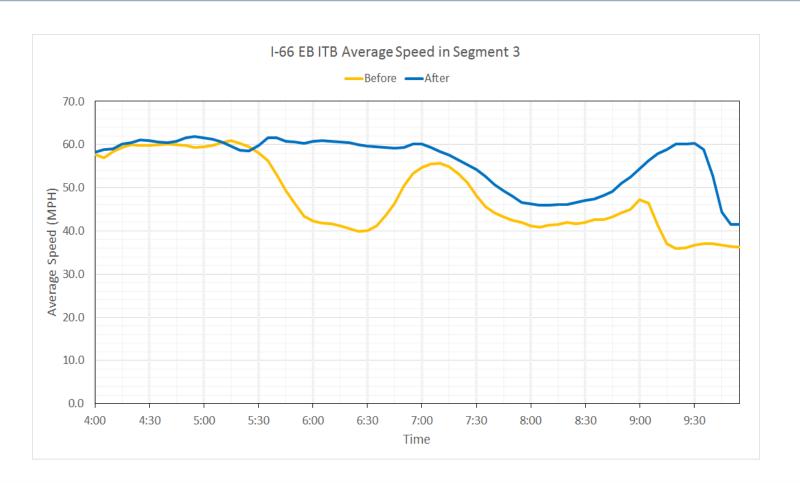


Before 37.8 mph

After 56.3 mph

48.9% increase

I-66 EB Segment 3 Average Travel Speeds Pre- and Post-Tolling 6 month comparison

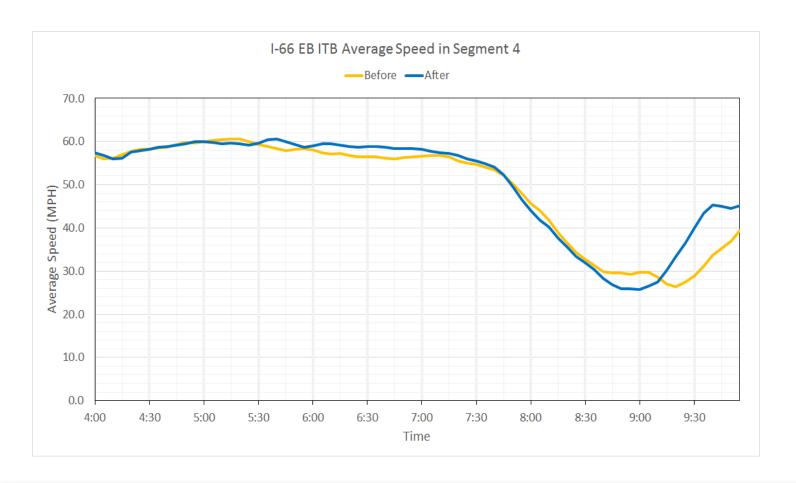


Before 45.3 mph

After 55.3 mph

22.1% increase

I-66 EB Segment 4 Average Travel Speeds Pre- and Post-Tolling 6 month comparison



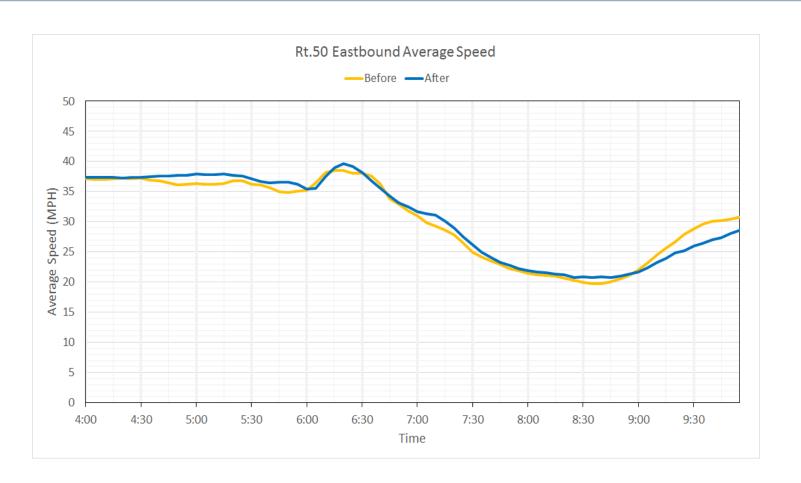
Before 47.4 mph

After 48.0 mph

1.3% increase

Route 50 EB AM Average Travel Speeds

Pre- and Post-Tolling 6 month comparison

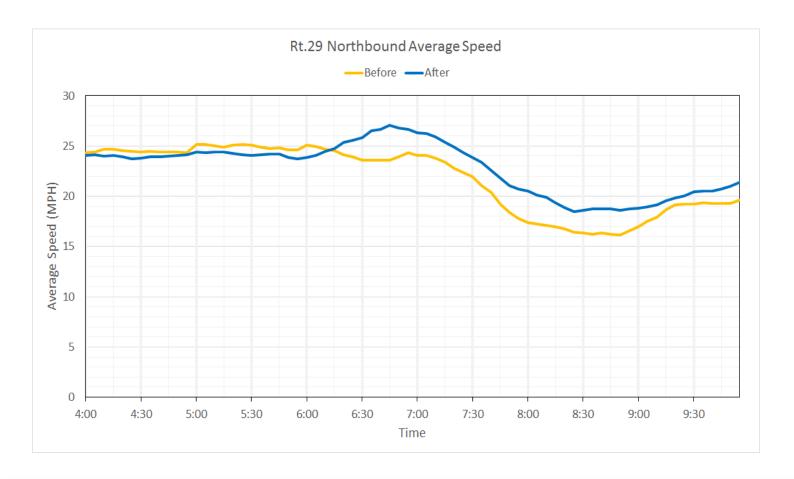


Before 28.3 mph

After 28.7 mph

1.3% increase

Route 29 EB AM Average Travel Speeds Pre- and Post-Tolling 6 month comparison

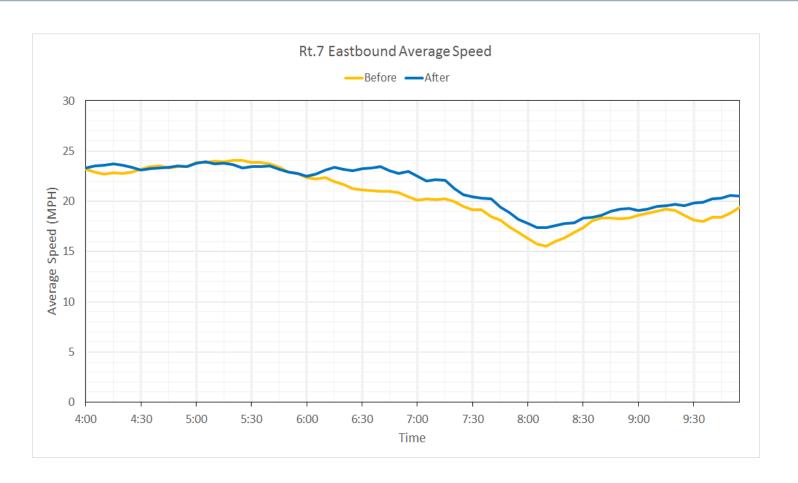


Before 21.0 mph

After 22.6 mph

7.7% increase

Route 7 EB AM Average Travel Speeds Pre- and Post-Tolling 6 month comparison

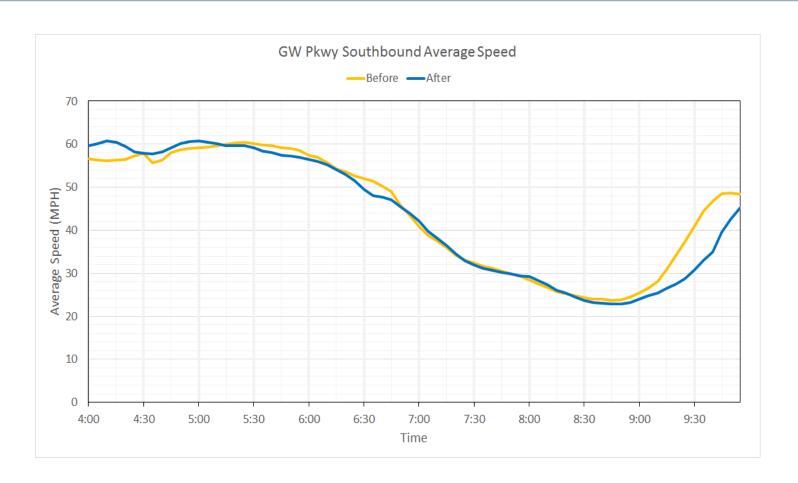


Before 19.7 mph

After 20.8 mph

5.6% increase

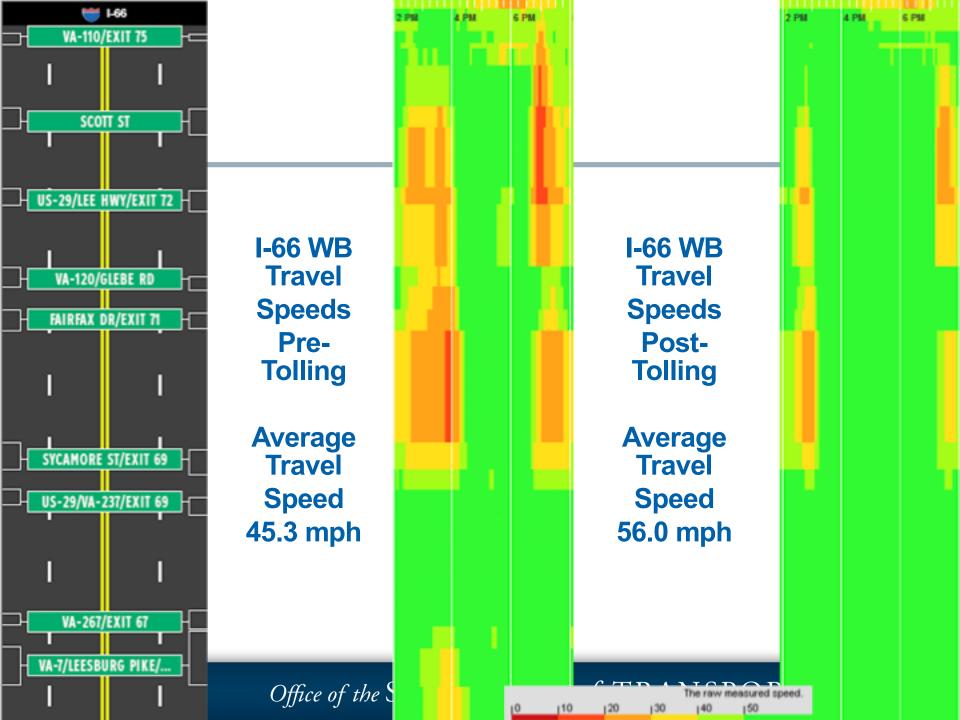
GW Parkway SB AM Average Travel Speeds Pre- and Post-Tolling 6 month comparison



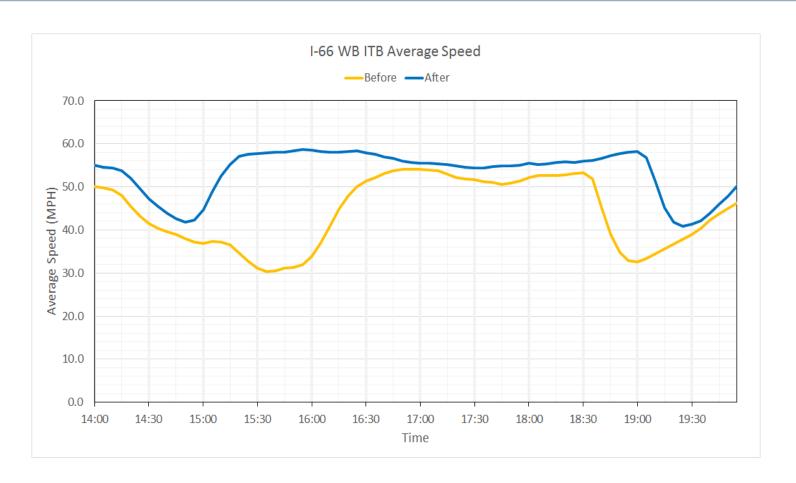
Before 38.9 mph

After 37.9 mph

2.7% decrease



I-66 Westbound PM Average Travel Speeds Pre- and Post-Tolling 6 month comparison

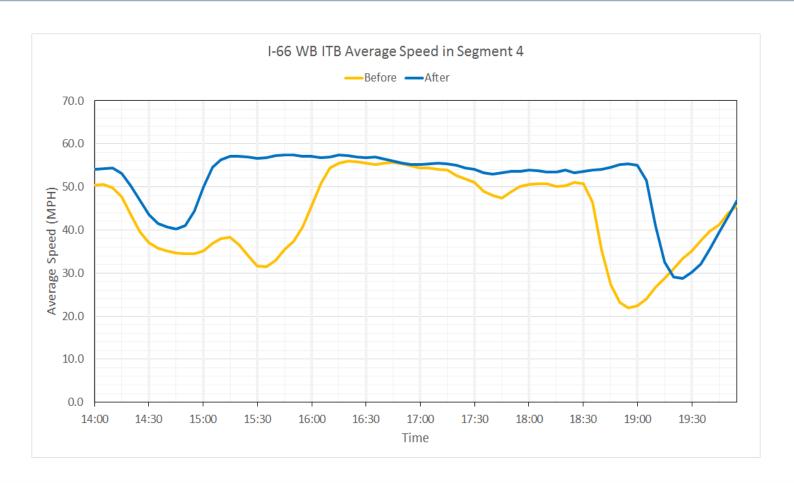


Before 45.3 mph

After 56.0 mph

23.6% increase

I-66 WB Segment 4 Average Travel Speeds Pre- and Post-Tolling 6 month comparison

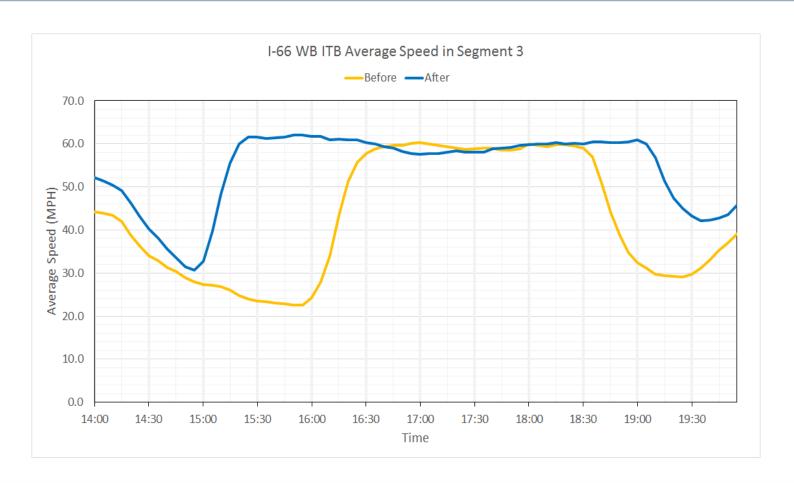


Before 45.9 mph

After 55.3 mph

20.5% increase

I-66 WB Segment 3 Average Travel Speeds Pre- and Post-Tolling 6 month comparison

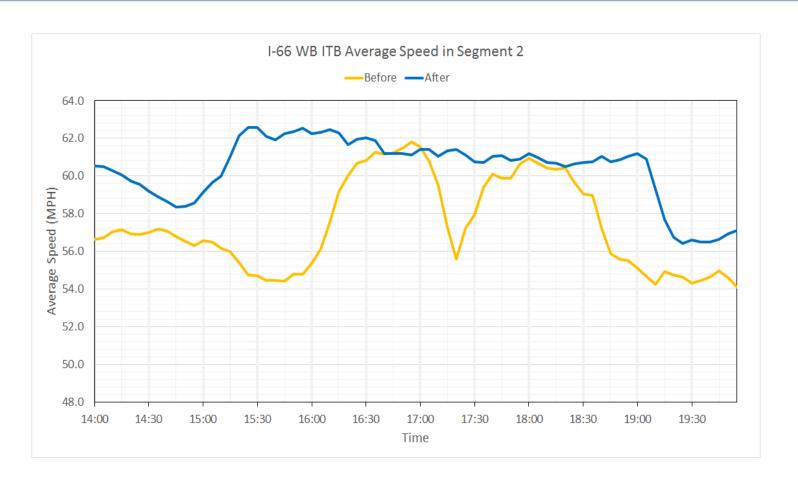


Before 46.6 mph

After 58.6 mph

25.8% increase

I-66 WB Segment 2 Average Travel Speeds Pre- and Post-Tolling 6 month comparison

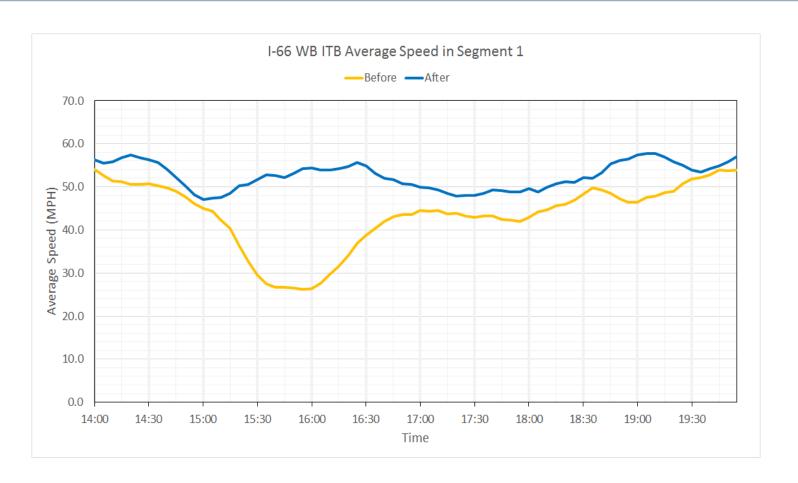


Before 58.2 mph

After 61.3 mph

5.3% increase

I-66 WB Segment 1 Average Travel Speeds Pre- and Post-Tolling 6 month comparison

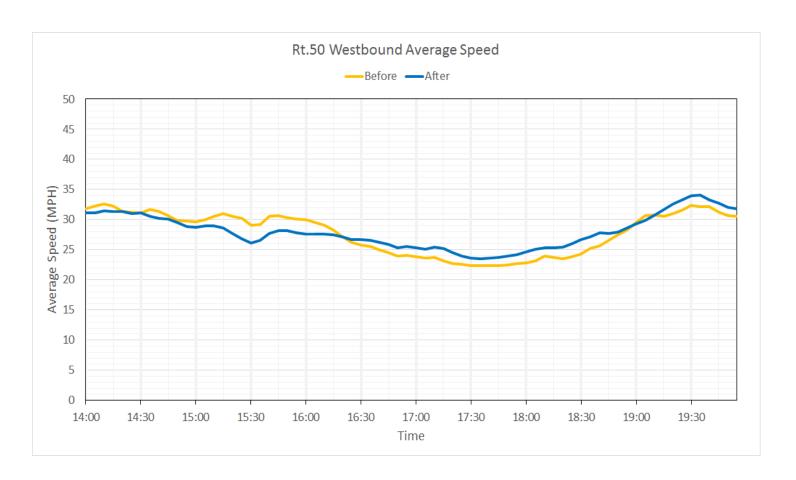


Before 40.1 mph

After 51.3 mph

27.9% increase

Route 50 WB PM Average Travel Speeds Pre- and Post-Tolling 6 month comparison

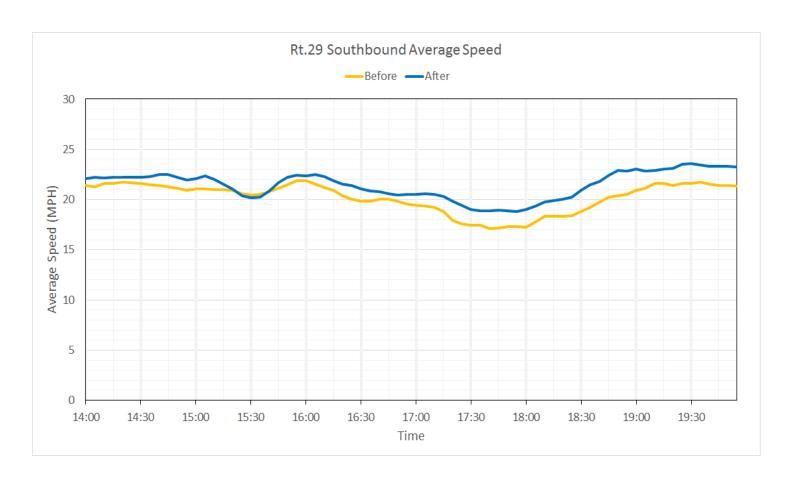


Before 26.1 mph

After 26.3 mph

0.9% increase

Route 29 WB PM Average Travel Speeds Pre- and Post-Tolling 6 month comparison

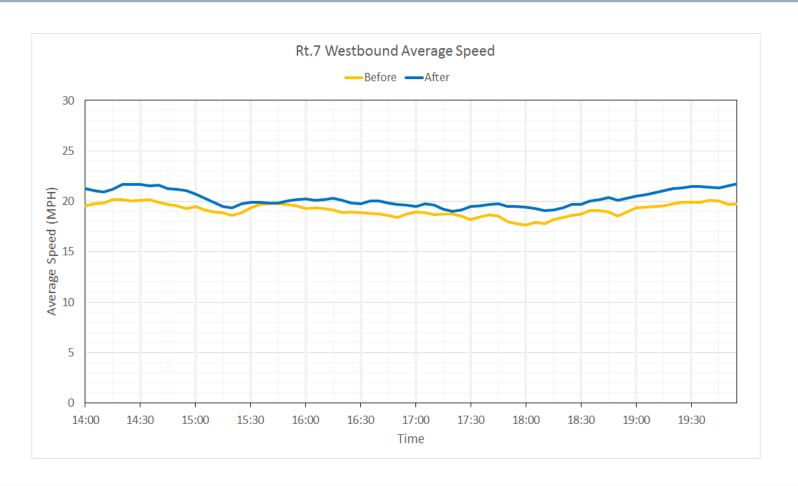


Before 19.6 mph

After 20.8 mph

6.2% increase

Route 7 WB PM Average Travel Speeds Pre- and Post-Tolling 6 month comparison

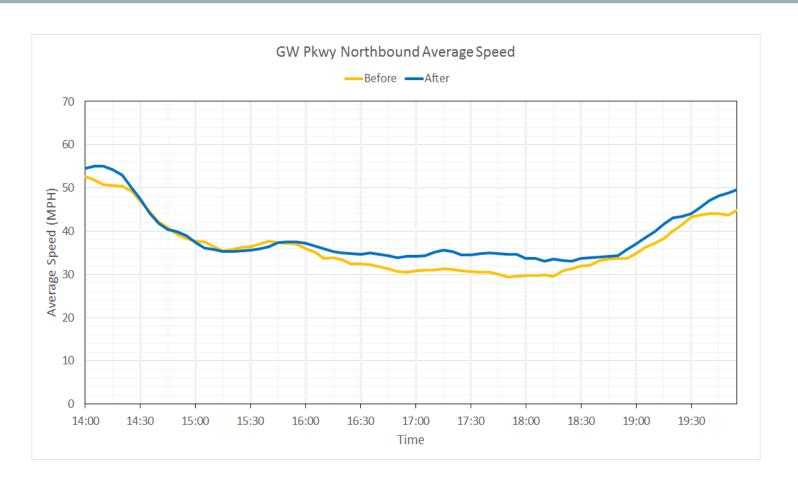


Before 18.8 mph

After 19.8 mph

5.1% increase

GW Parkway NB PM Average Travel Speeds Pre- and Post-Tolling 6 month comparison



Before 32.9 mph

After 35.0 mph

6.3% increase

Toll Rates and Usage

- \$13.09 average price for round trips
 - \$8.49 average price for eastbound trips
 - \$4.60 average price for westbound trips
- 30,184 average daily vehicle trips
 - 13,688 average daily eastbound trips
 - 16,496 average daily westbound trips
- 43% of trips on average are HOV
 - 49.0% of eastbound trips on average are HOV
 - 37.9% of eastbound trips on average are HOV

Toll Rates and Usage

- 0.28% of all toll payers paid more than \$40 during the first six months
- These toll rates are experienced during the height of rush hour between 8am and 9am
- HOV usage peaks between 8am and 9am, and appears to be increasing during this time as well

HOV Penetration	December 2017	May 2018	
8:00 – 8:30a	49.3%	59.3%	
8:30 – 9:00a	44.9%	54.1%	

Toll Rates and Usage

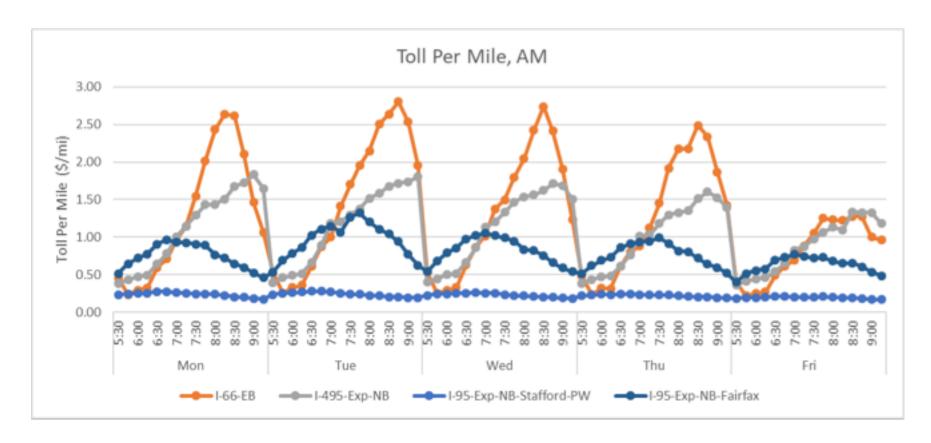
Average Eastbound Toll Paid and HOV Usage

5:30- 6:00	6:00- 6:30	6:30- 7:00	7:00- 7:30	7:30- 8:00	8:00- 8:30	8:30- 9:00	9:00- 9:30
\$2.54	\$2.64	\$5.06	\$7.59	\$11.63	\$14.13	\$13.86	\$8.52
31.4%	34.7%	45.5%	56.5%	59.0%	56.8%	52.2%	38.1%

Average Westbound Toll Paid and HOV Usage

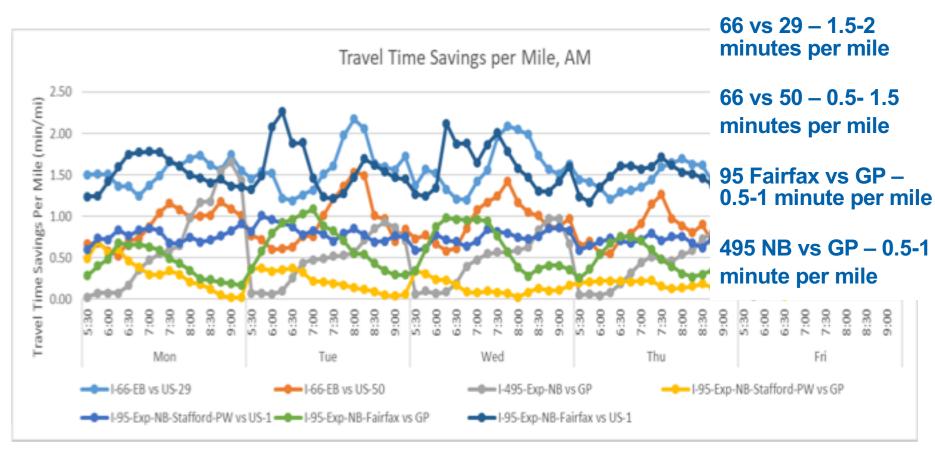
3:00- 3:30	3:30- 4:00	4:00- 4:30	4:30- 5:00	5:00- 5:30	5:30- 6:00	6:00- 6:30	6:30- 7:00
\$4.34	\$3.92	\$4.32	\$5.17	\$5.36	\$5.67	\$4.71	\$3.67
28.3%	31.2%	39.3%	43.3%	45.4%	45.1%	39.2%	30.3%

Northern Virginia AM Express Lane Toll Rates per Mile



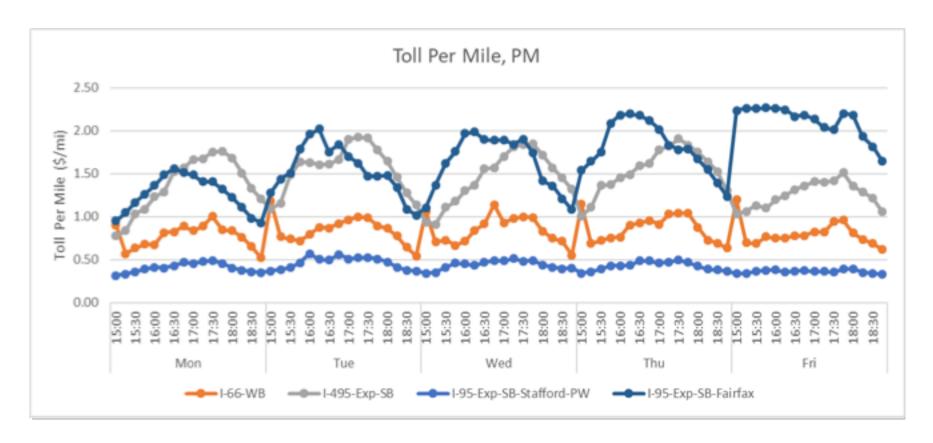
^{*} Compiled by UVA Center for Transportation Studies

Northern Virginia AM Estimated Travel Time Savings from Express Lanes



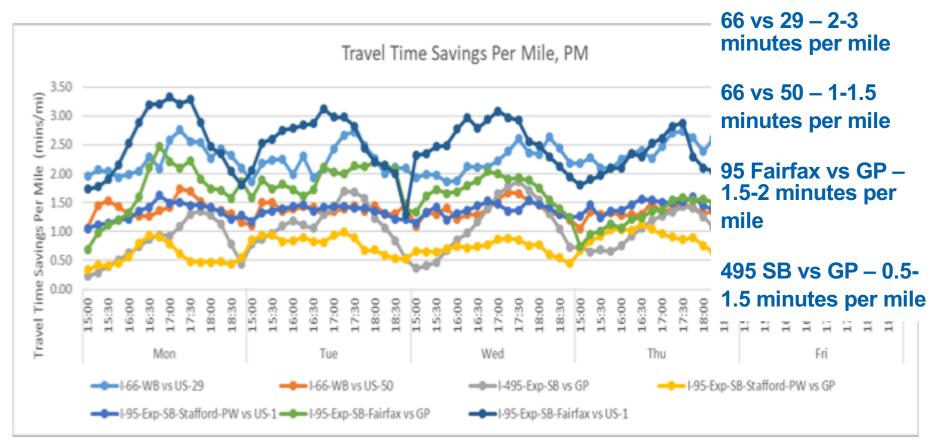
^{*} Compiled by UVA Center for Transportation Studies

Northern Virginia PM Express Lane Toll Rates per Mile



^{*} Compiled by UVA Center for Transportation Studies

Northern Virginia PM Estimated Travel Time Savings from Express Lanes



^{*} Compiled by UVA Center for Transportation Studies

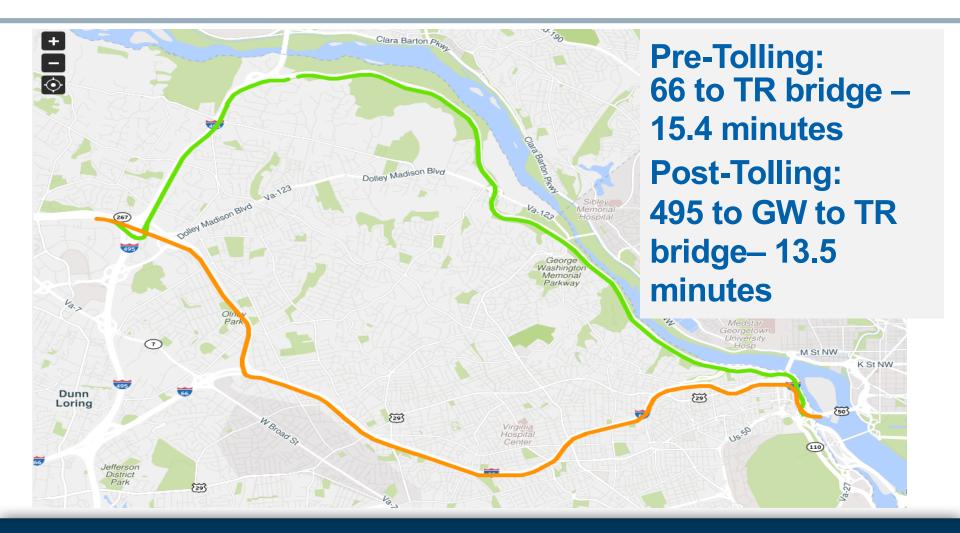
Month-to-Month Usage Statistics

	January	February	March	April	May
EB AM Peak Traffic	12,961	13,958	13,656	14,832	15,340
WB PM Peak Traffic	15,364	16,656	16,447	17,398	18,130
Total Daily HOV Traffic	12,233	13,559	13,101	14,306	14,712

AM Shoulder Period – 6:00am Travel Times



AM Shoulder Period – 6:00am Travel Times



Incidents on I-66 Pre- and Post-Tolling 6 month comparison

	Eastb	ound	Westbound		
Time Period	Pre-Tolling	Post- Tolling	Pre-Tolling	Post- Tolling	
Crashes	248	218	164	132	
% Change	12.1% D	ecrease	15.0% D	ecrease	

Moving Forward

- Will continue to monitor performance of Express Lanes and parallel routes
 - Seek to identify potential operational improvements
- Construction on new eastbound lane is underway and will be complete in 2020
- VDOT is testing modifications to tolling system to evaluate opportunities to move more people
- Will continue partnership with NVTC to re-invest toll revenues in the corridor