

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

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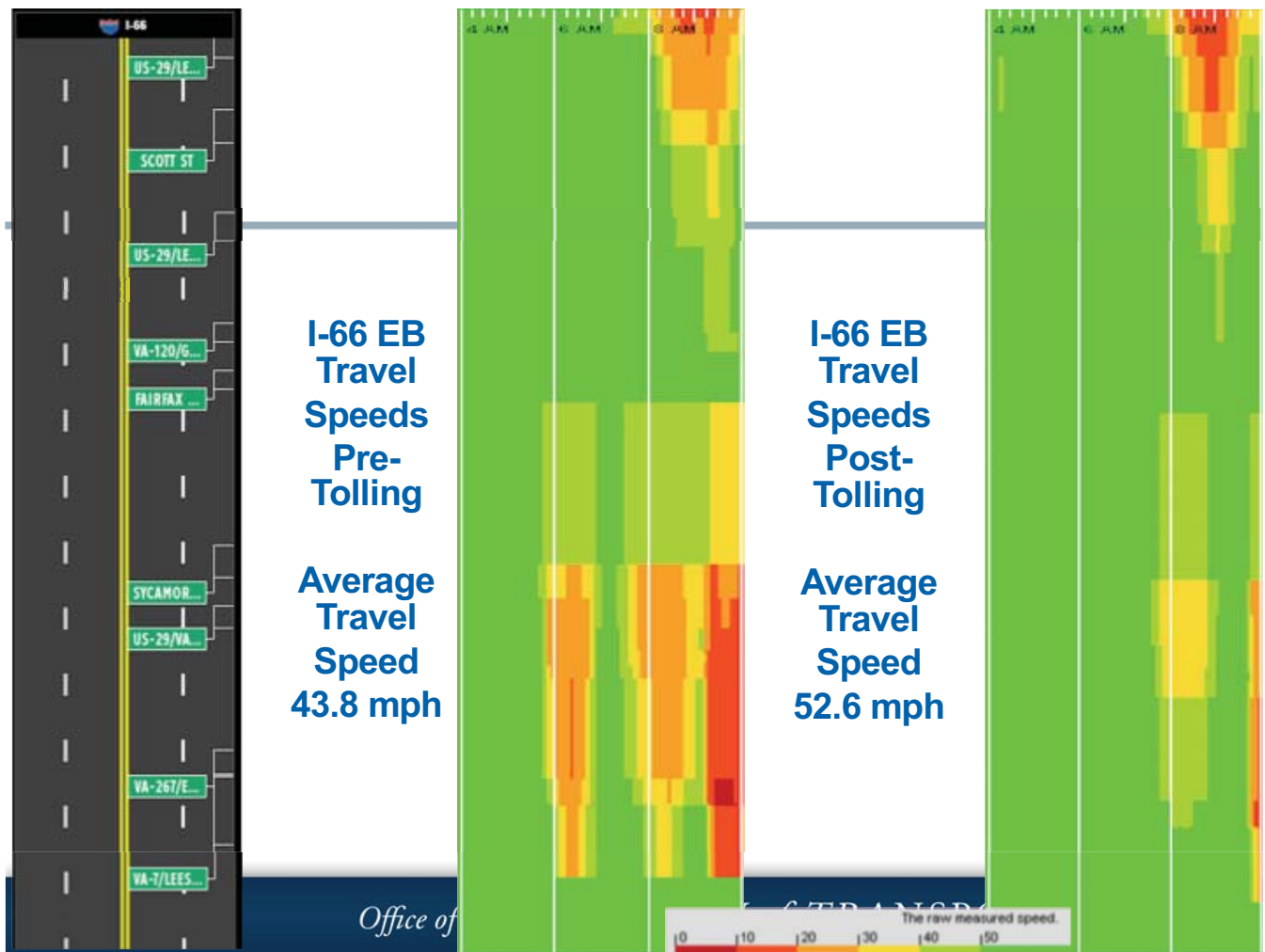
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Transform66: 6-Month Performance Review

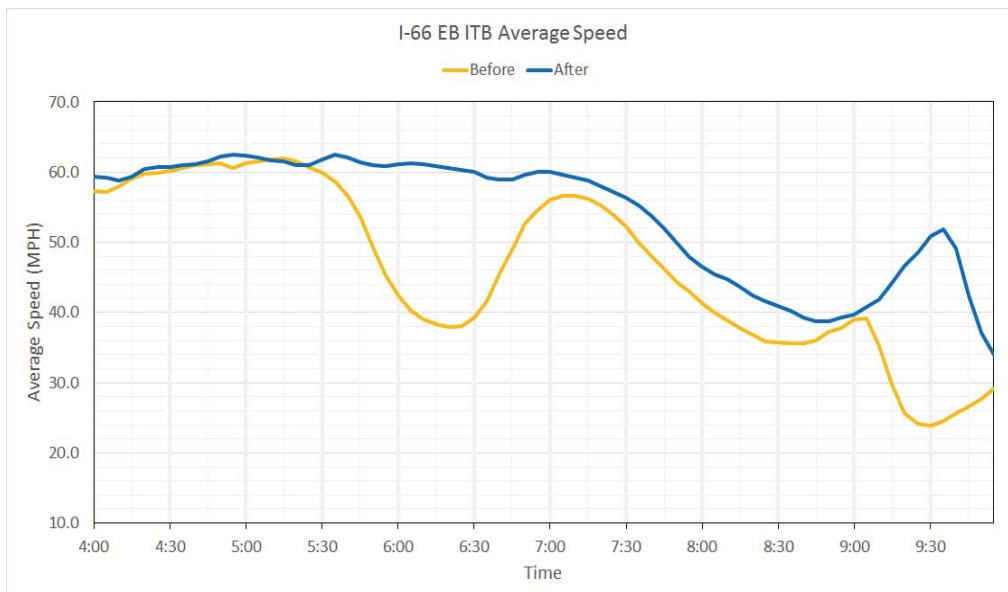
- **Morning peak period travel speeds**
 - I-66
 - Parallel arterials
- **Evening peak period travel speeds**
 - I-66
 - Parallel arterials
- **Toll rates and usage**
- **Morning shoulder period analysis**
- **Incidents**

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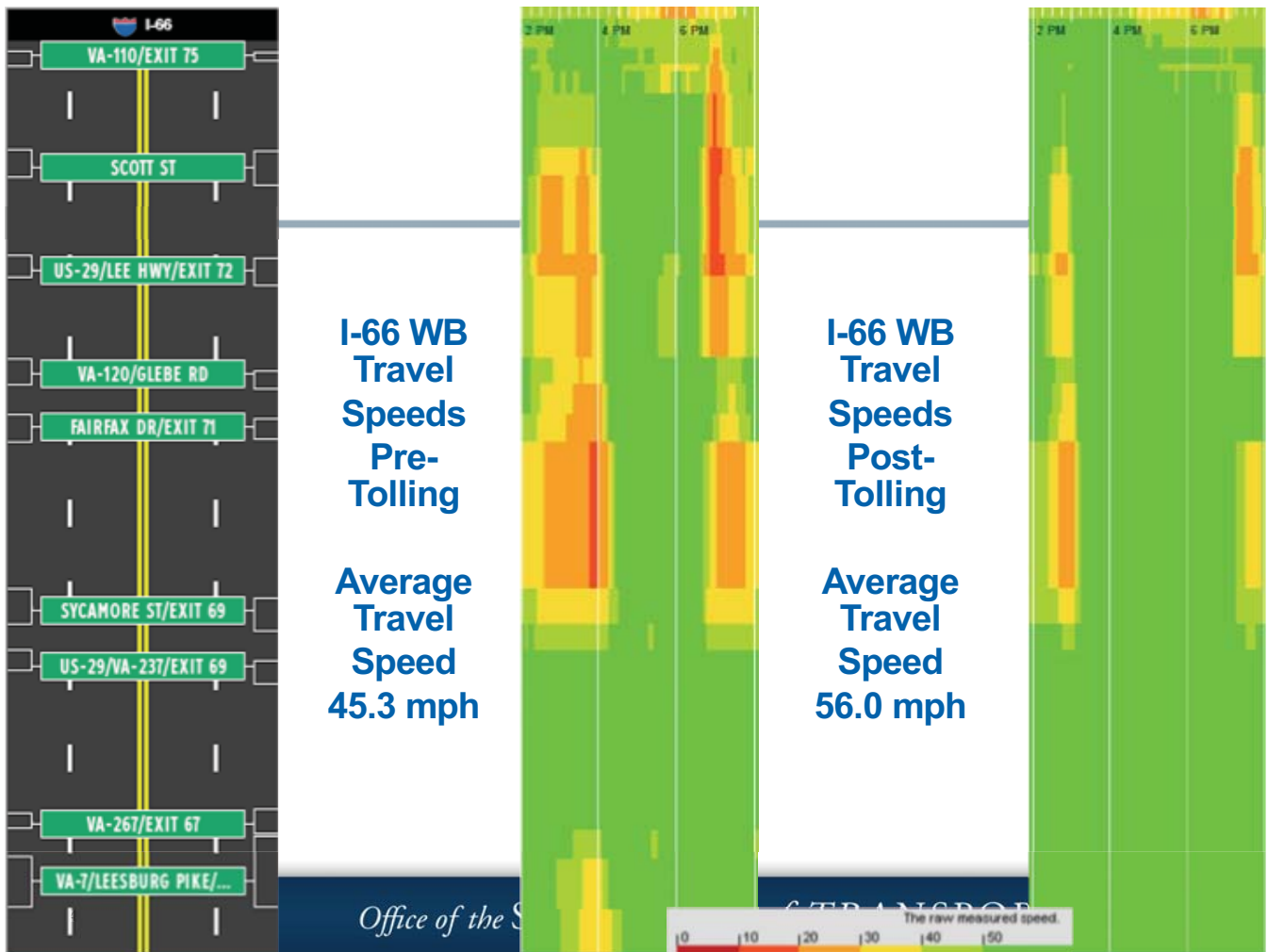
I-66 Eastbound Average Travel Speeds Pre- and Post-Tolling 6 month comparison



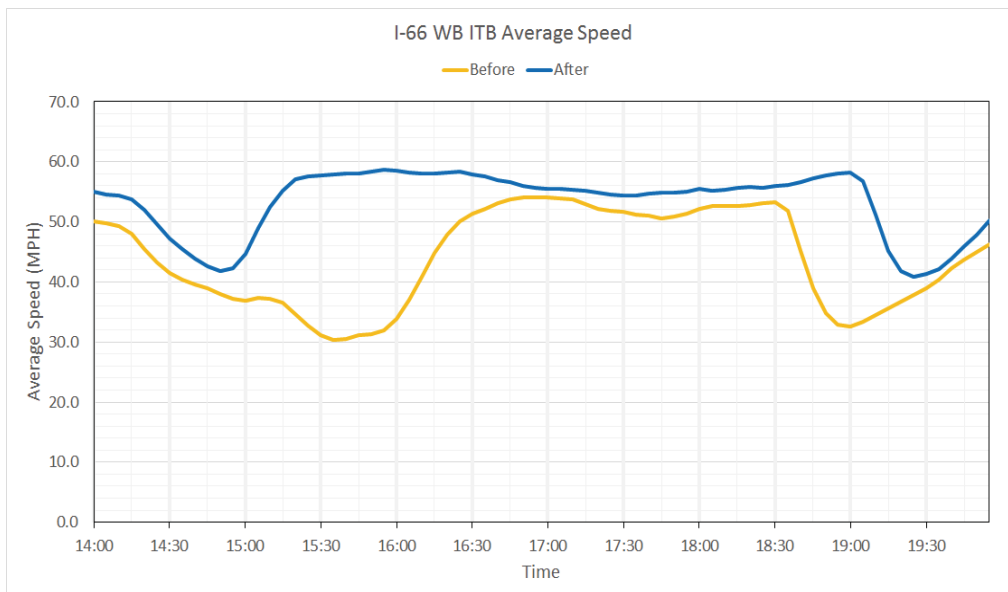
Before
43.8 mph

After
52.6 mph

20.1%
increase



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



Before
45.3 mph

After
56.0 mph

23.6%
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

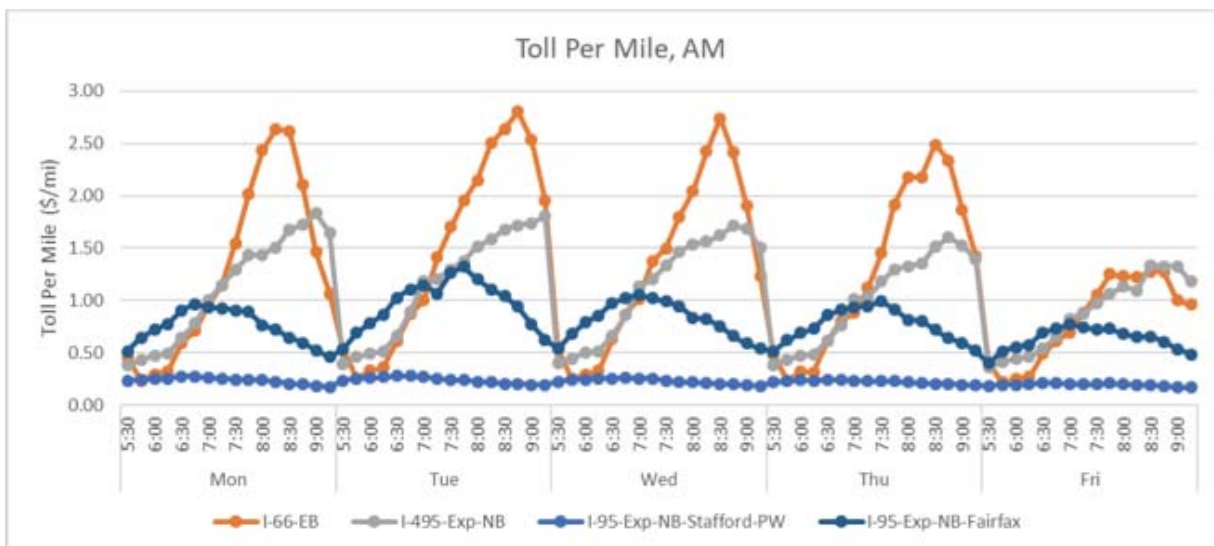
Average Eastbound Toll Paid and HOV Usage

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



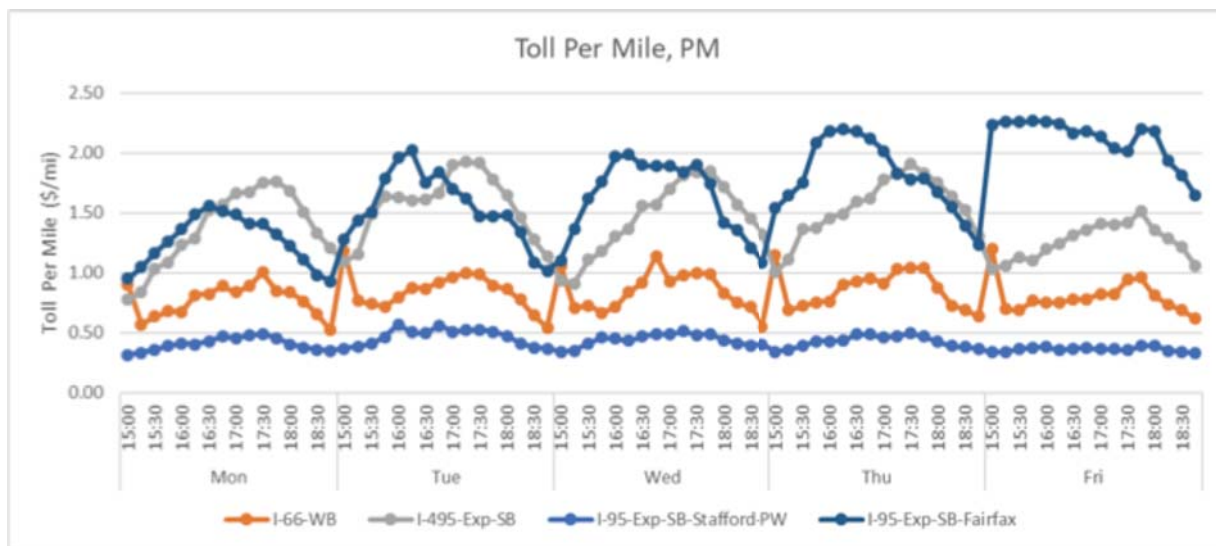
* Compiled by UVA Center for Transportation Studies

Northern Virginia AM Estimated Travel Time Savings from Express Lanes



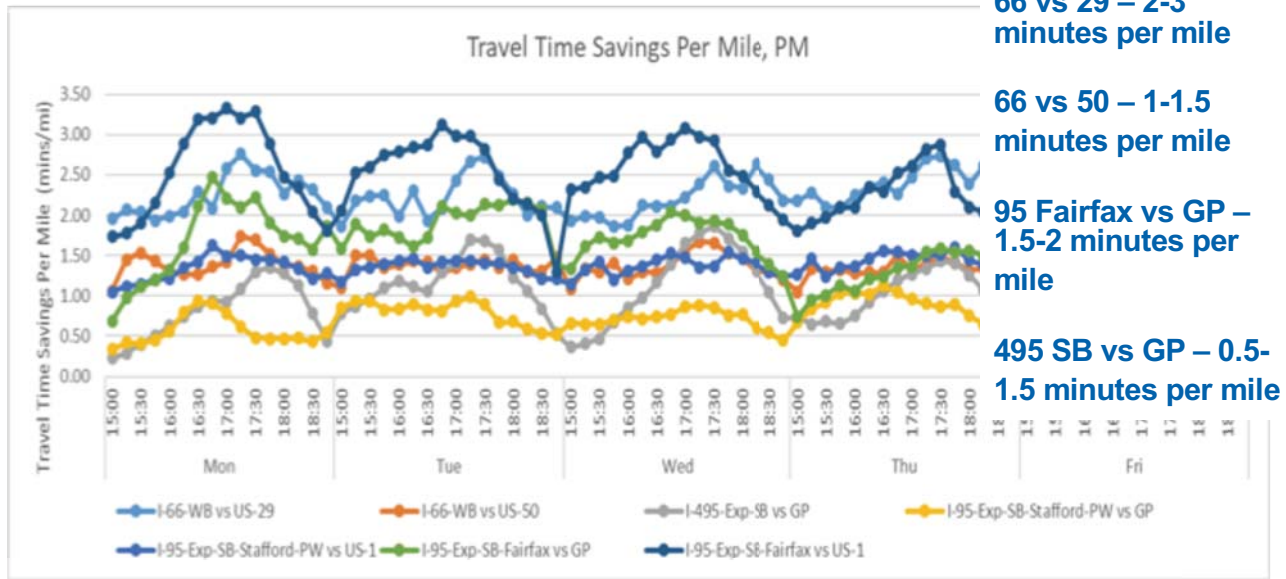
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Northern Virginia PM Express Lane Toll Rates per Mile



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Northern Virginia PM Estimated Travel Time Savings from Express Lanes



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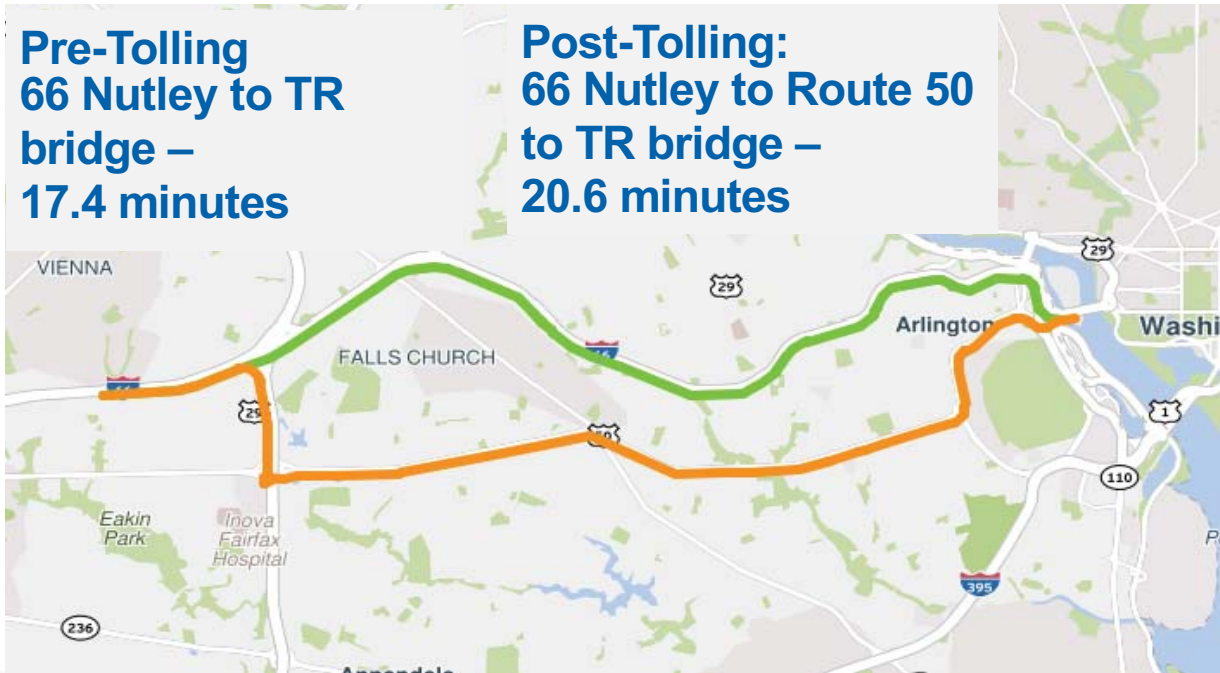
Month-to-Month Usage Statistics

	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

Pre-Tolling
66 Nutley to TR
bridge –
17.4 minutes

Post-Tolling:
66 Nutley to Route 50
to TR bridge –
20.6 minutes



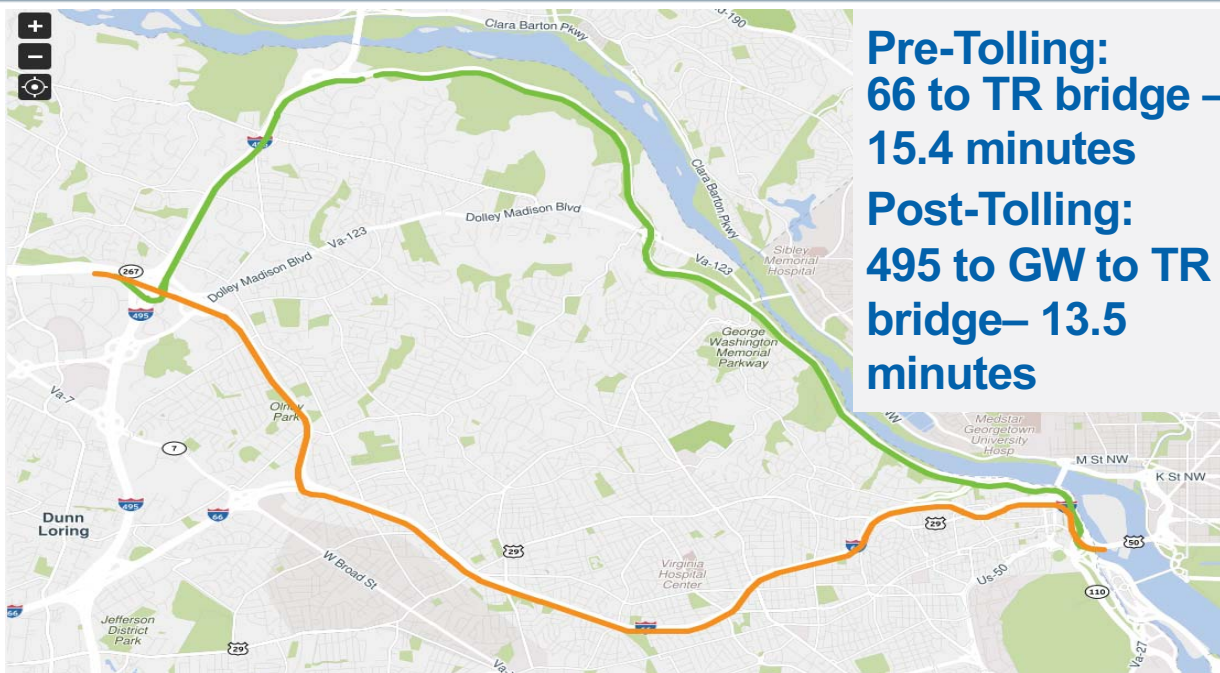
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AM Shoulder Period – 6:00am Travel Times

Pre-Tolling:
66 to TR bridge –
15.4 minutes

Post-Tolling:
495 to GW to TR
bridge – 13.5
minutes



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Incidents on I-66

Pre- and Post-Tolling 6 month comparison

	Eastbound		Westbound	
Time Period	Pre-Tolling	Post-Tolling	Pre-Tolling	Post-Tolling
Crashes	248	218	164	132
% Change	12.1% Decrease		15.0% Decrease	

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