



# FHWA STOL 1 TO 26 – CAV Bundled Applications on a Managed Lane

*Field Experiment Update*

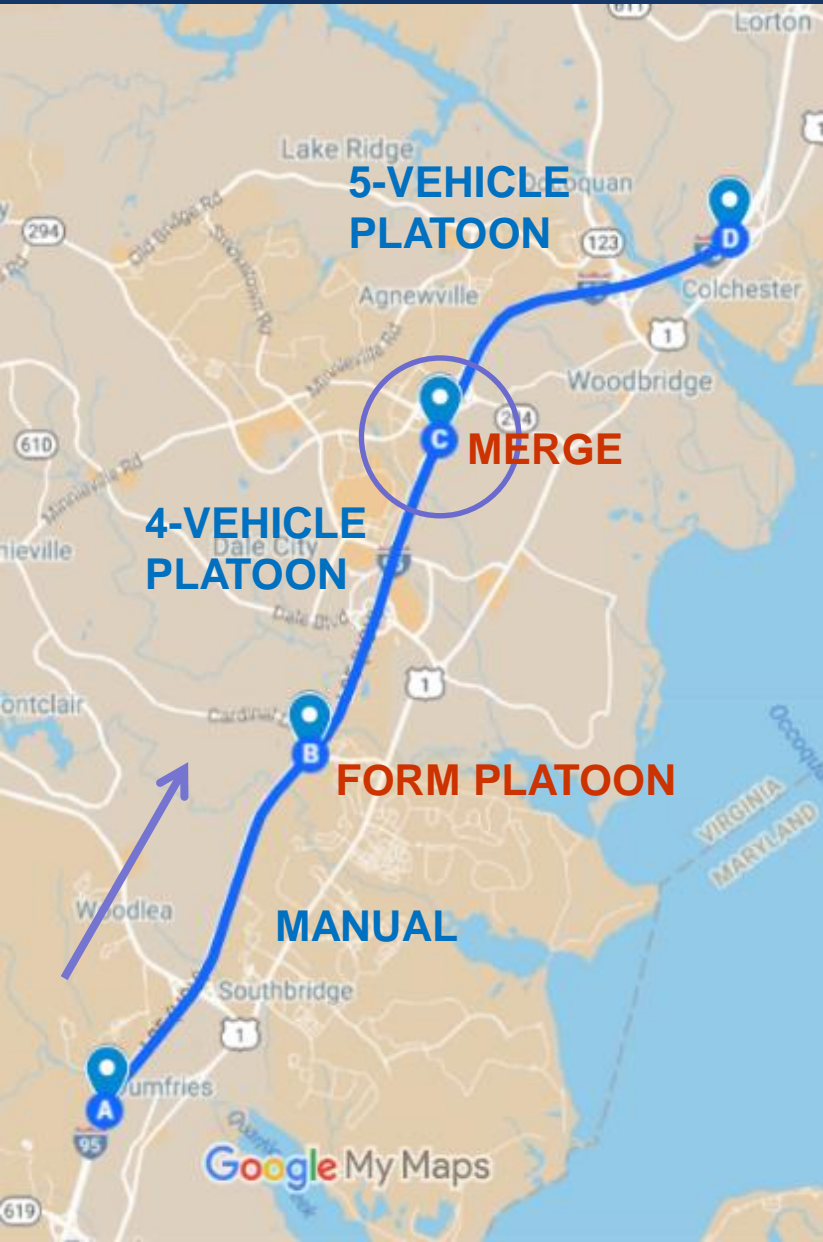
May 10, 2018

# Progress Updates



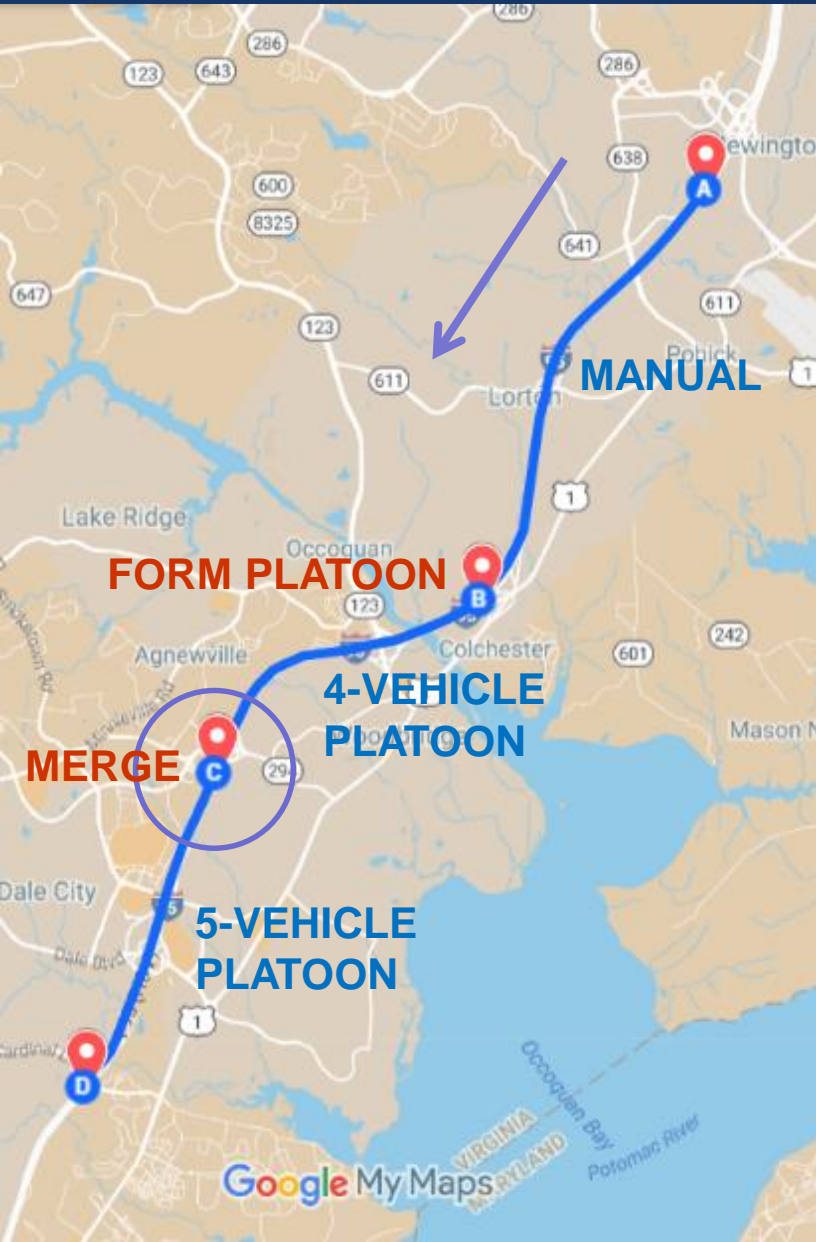
- Experiment Summary
- Experiment Route Walkthrough
- Communications during the experiment
- Aberdeen site visit
- Public Communications
- Next Steps

# Candidate Site #5 (NB)



- Enter HOT lanes (A)
- Travel 3 miles in manual mode
- Form platoon (B)
- Travel 3 miles in platoon
- Reach Merge Point (C)
- Travel 3.5 miles in platoon
- End experiment (D)
  - Stop on HOT lanes
  - Return to start via HOT lanes and repeat, OR
  - Continue to Fairfax County Pkwy and exit

# Candidate Site #24 (SB)



- Enter HOT lanes (A)
- Travel 4.5 miles in manual mode
- Form platoon (B)
- Travel 3.2 miles in platoon
- Reach Merge Point (C)
- Travel 3.25 miles in platoon
- End experiment (D)
  - Stop on HOT lanes
  - Return to start via HOT lanes and repeat, OR
  - Exit at Cardinal Rd and continue to Dumfries Rd



# Test Scenarios



Test Day	Northbound No Traffic	Northbound Light Traffic	Southbound No Traffic	Southbound Light Traffic
1 – 6/4	3		3	
2 – 6/11	3		3	
3 – 6/14	1		1	
4 – 6/19	1		1	2
5 – 6/21	1		1	2
Film Day	1		1	2
<b>TOTAL</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>6</b>

# June Test Dates



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
May 27	28	29	30	31	Jun 1	2
3	<b>MIDNIGHT (#1)</b>	<b>MIDNIGHT BACKUP</b>	6	7	8	9
10	<b>MIDNIGHT (#2)</b>	<b>MIDNIGHT BACKUP</b>	13	<b>MIDDAY (#3) (reversal only)</b>	15	16
17	18	<b>MIDDAY (#4)</b>	<b>MIDDAY BACKUP</b>	<b>MIDDAY (#5)</b>	22	23
24	<b>MIDDAY BACKUP</b>	<b>MIDDAY BACKUP</b>	<b>MIDDAY FILMING</b>	<b>MIDDAY FILMING BACKUP</b>	29	30