

Study Area



Study Scope

- Study Duration
 - August 2011 – August 2012
- Traffic Counts
 - AM/PM Peak Period Turning Movements
- Photo Documentation
- Field Notes / Observations
- Traffic Operations Analysis
 - SYNCHRO

VDOT

August Conditions

- Local schools were not in session
- August is a high vacation month generally
- No WHS employees were in place
- WHS construction traffic was present

VDOT

 VIRGINIA
MEGAPROJECTS

September Conditions

- Local schools were in session
- Less of a vacation month
- WHS was 36% occupied
 - 2300 out of 6400 employees
- Some WHS construction traffic was still present

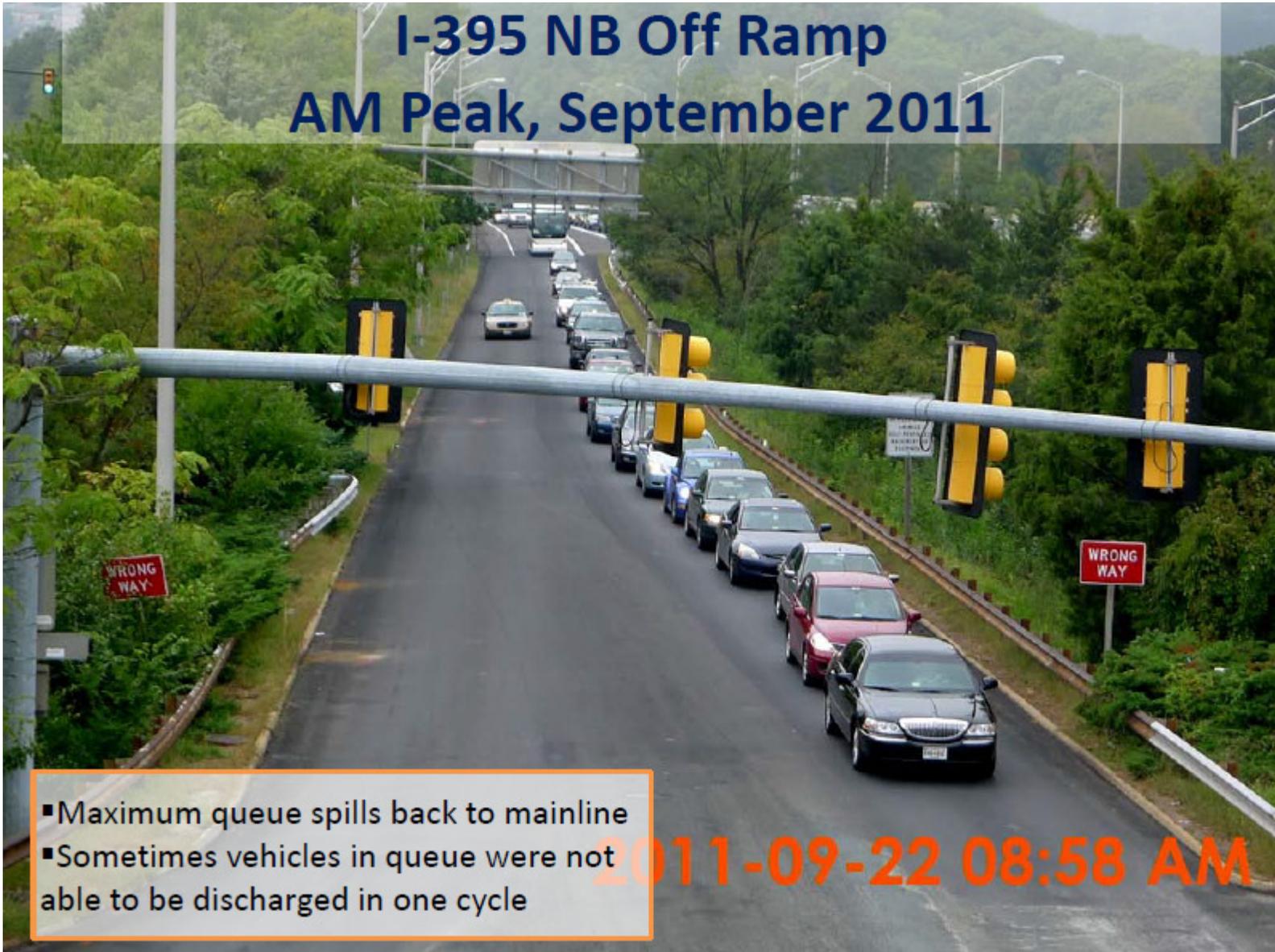
VDOT

 VIRGINIA
MEGAPROJECTS

General Observations

- August
 - All queues were able to clear upon each cycle
- September
 - Most queues were able to clear upon each cycle
 - There were noticeable increase in queue lengths in September compared to August

I-395 NB Off Ramp AM Peak, September 2011

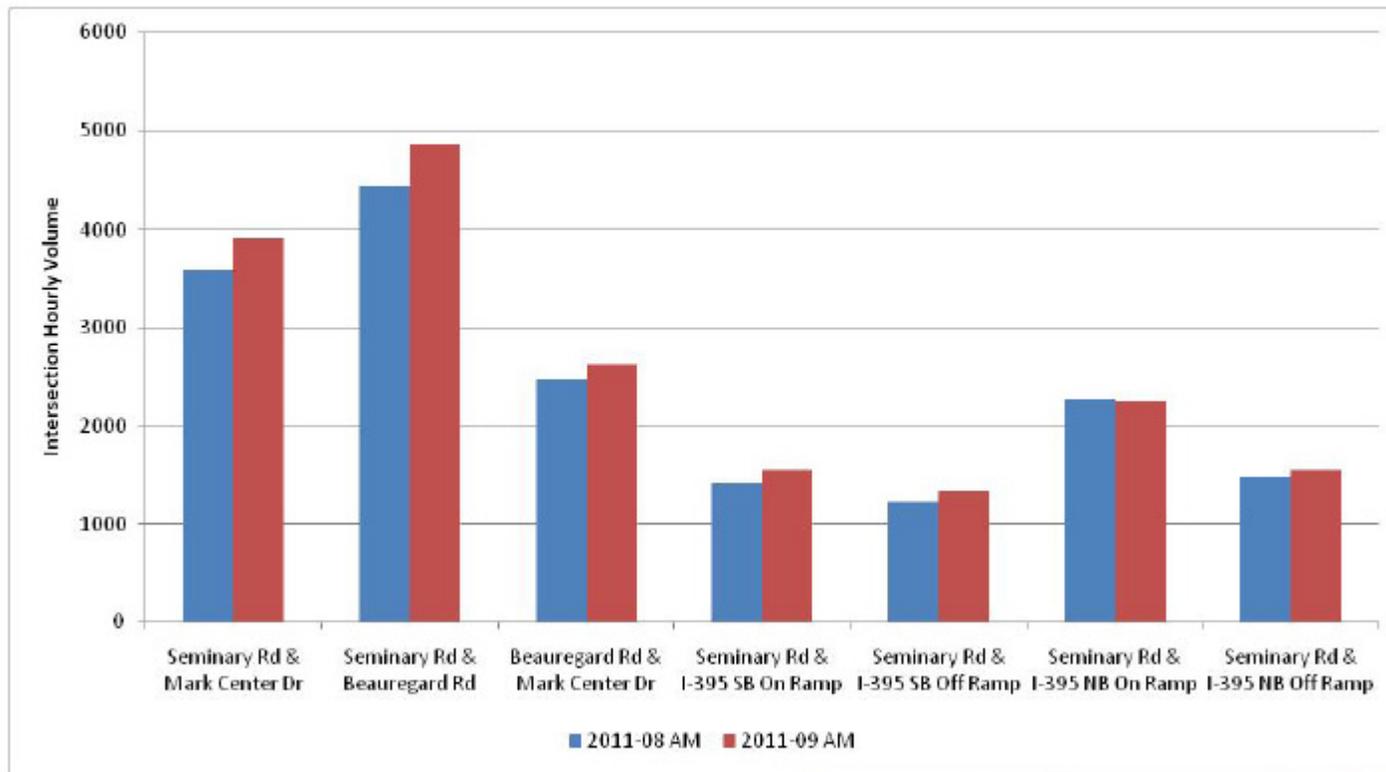


- Maximum queue spills back to mainline
- Sometimes vehicles in queue were not able to be discharged in one cycle

2011-09-22 08:58 AM



AM Peak Hour Volumes



I-395 SB On Ramp PM Peak, September 2011

- Ramp meter was in operation on I-395 SB on ramp during PM peak period
- Maximum queue spills back to arterial
- Slow moving queues at 10-20 mph

2011-09-22 18:13 PM



PM Peak Hour Volumes

