Crashes, Vehicle Volumes, and Speeds

Vehicle Volume Estimates

» With the installation and opening of BRAC (2011) estimated vehicle volumes stayed consistent with previous years.

» DoD states that BRAC-133 is operating at nearly full occupancy and has no plans to request any increases in their facility size.

» The opening of the HOV exit ramps onto Seminary Road (2016) had a negligible impact on traffic volumes.

» The reduction of the speed limit in 2016 also had no impact on traffic volumes.

Vehicle Speeds

» The reduction of the posted speed limit in 2016 from 35 mph had minimal impact on eastbound traffic, but has resulted in a nearly 10 mile per hour reduction in average speeds since its implementation and enforcement.

» While lowering the speed limit signs helped reduce speeding slightly, changes to road design have been proven to better control speeds.

Police Reported Crashes on Seminary Road

» The reduction of the posted speed limit in 2016 from 35 mph reduced the number of injury crashes on the corridor.

» The types of crashes that occurred were often rear-ends, sideswipes in the same direction, and angle crashes. A small number of crashes involved a single driver hitting a fixed object off of the roadway.

» Most crashes occurred in daylight, with no other contributing environmental factors.

» Seminary Road (between Quaker Lane and Kenmore Avenue) makes up only 0.4% of Alexandria's street network (by mileage). However from 2010-2017, 1.1% of Alexandria's total crashes occurred in this area.
Police-Reported Crash History

Seminary Road Crashes
January 2013 - July 2018

Crash Frequency and Severity by 1/10th of a Mile Segment

Crash Severity
- Severe Injury (6)
- Injury (43)
- Property Damage Only (79)

Crash data obtained from VDOT crash database:
https://public.tableau.com/profile/tien.simmons#!/vizhome/Crashtools8_2/Main

Crash Severity and Location