



DEPARTMENT OF ENVIRONMENTAL SERVICES
Division of Transportation

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August 14, 2008

Mr. Bruce Cameron, President
Aurora Highlands Civic Association
716 21st Street South
Arlington, VA 22202-2735

Dear Mr. Cameron:

This letter is a follow-up response to my June 3rd letter regarding an email request for traffic calming in the 600 block of 22nd Street South west of South Fern Street. A resident was concerned traffic volume has increased since the traffic signal was installed at South Fern Street and 23rd Street South intersection.

Staff has conducted a traffic analysis for the 600 block of 22nd Street South. Baseline traffic data were collected in 2005 prior to the new traffic signal which was installed in October 2006. "After" data were collected in 2008 and compared to the baseline data (see attached chart).

Our analysis showed the vehicular volume in 2005 was measured at 313 vehicles per day and in 2008 there were 330 vehicles per day which is a negligible increase. This may be contributed to a Tuesday compared to a Wednesday which is early release day from Arlington County schools. The average speed dropped one mile an hour from 22mph in 2005 to 21 mph in 2008. The 85th percentile speed remained the same at 27 mph. 22nd Street South does not qualify for traffic calming assistance since the 85th percentile speed did not meet the minimum threshold of 30 mph. The good news is that the average speed did drop by one mile an hour and the volume remains very low.

It has been a pleasure to evaluate this for you. If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Elizabeth L. Diggs".

Elizabeth L. Diggs
Transportation Planner III

C: Neighborhood Traffic Calming Committee
Valerie Lee, Traffic Engineering and Operations Bureau
Lt. Grady Jolley, Arlington County Police Department

**Traffic Impact Analysis
600 block of 22nd Street South
Aurora Highlands neighborhood**

Road Name	County Location	Prior to traffic signal installation				After installation of traffic signal				2005 vs. 2008		
		2005		2008		2008		2005 vs. 2008		Volume	Ave. Speed	85% Speed
		Date	Volume (VPD)	Average Speed (MPH)	85% Speed (MPH)	Date	Volume (VPD)	Average Speed (MPH)	85% Speed (MPH)			
22 nd St. S	West of S. Fern St.	4/12/05 (Tu)	313	22 mph	27 mph	5/28/08 (Wed)	330	21 mph	27 mph	17 (5 %)	-1 mph	0 mph

VPD = Vehicles per day
MPH = Miles per hour