

STAFF UPDATE: Reduced Speed Limits on Seminary Road & Quaker Lane



Background

- Speed limit reduction and safety improvements requested by community for Seminary Rd. and N. Quaker Ln.
- Staff attended meetings with the community in fall 2015 to hear concerns and discuss options to improve safety
- In February 2016, Board approved motion to recommend to the City Manager to reduce the speed limits on Seminary Rd. and on N. Quaker Ln. to 25 mph from 35 mph, and to include increased enforcement

Implementation of Speed Limit Changes

- Changes went into effect on March 25, 2016
- Public was notified two weeks prior to changes
 - Variable message boards
 - Emails to civic associations
 - Enews
 - Social media
- Speed indicator signs installed along the corridor
- APD enforcement increased with FY17 budget

Before & After: Speeds

- Speeds are down on Seminary Rd. and Quaker Ln., but still exceed new posted speed limit (25 mph)
 - Average 85th percentile speeds decreased 15.4% on Quaker Ln. and decreased 6.3% on Seminary Rd.
 - Average 85th percentile speed still exceed posted speed limit by 11 mph on Quaker Ln. and 12 mph on Seminary Rd.
- Increased enforcement was likely a key piece in speed reduction

Street	Segment	Before		After		Difference	
		Speed Limit	Avg. 85 th % Speed (mph)	Speed Limit	Avg. 85 th % Speed (mph)	Avg. 85 th % Speed (mph)	Avg. 85 th % Speed (%)
Quaker Ln	King St to Duke St	35	42.1	25	35.6	-6.5	-15.4%
Seminary Rd	N Pickett St to Quaker Ln	35	39.6	25	37.1	-2.5	-6.3%

Before & After: Traffic Volumes (ADT)

- Traffic volumes decreased slightly on Quaker Ln. and Seminary Rd.
 - Volumes decreased on Quaker Ln by 8% and Seminary Rd by 2.7%

Street	Segment	Avg. Daily Traffic (# of vehicles)			
		Before	After	Difference	Difference (%)
Quaker Ln	King St to Duke St	21510	19800	-1710	-8.0%
Seminary Rd	N Pickett St to Quaker Ln	14730	14330	-400	-2.7%

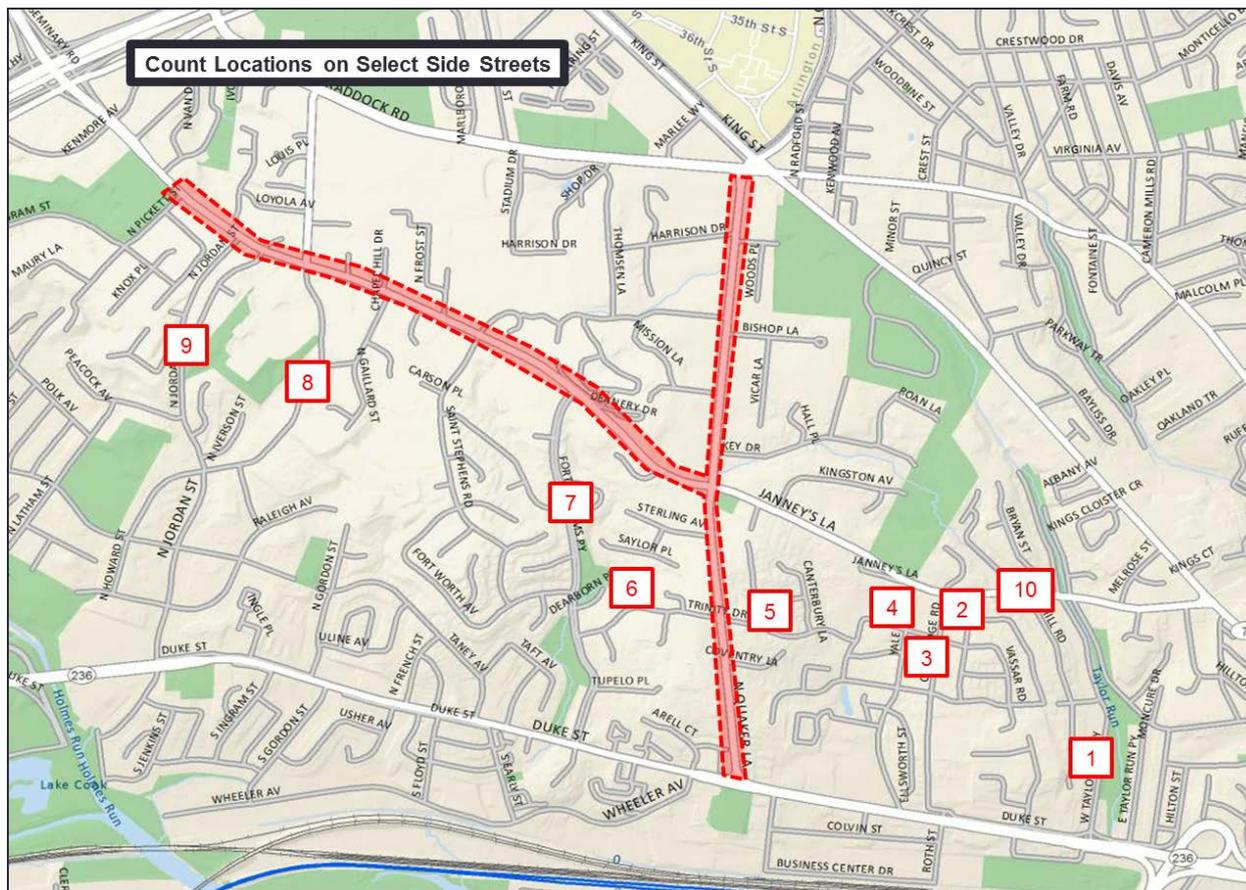
Before & After: Crashes

- Reported crashes decreased on Seminary Rd and Quaker Ln based on preliminary analysis
 - No causation can be determined at this time between reduced speed limits and decrease in reported crashes

Street	Segment	Crashes between May 1 – Sept 30	
		Before (2011-2015) – 5 Year Average	After (2016)
Quaker Ln	King St to Duke St	7.0	3
Seminary Rd	N Pickett St to Quaker Ln	2.8	0

Before & After: Side Streets

- Volumes and speeds on side streets have remained relatively the same, with little to no variation, and no clear trends of traffic diversion from Seminary Rd. and Quaker Ln.



Before and After: Side Street Volumes

#	Street	Segment	Avg. Daily Traffic (# of vehicles)			
			Before	After	Difference	Difference (%)
1	W Taylor Run Pkwy	Duke St Service Rd & Dartmouth Rd	4,845	4,460	-385	-7.9%
2	Cloverway Ln	Janneys Ln & Vassar Rd	330	359	29	+8.8%
3	Cambridge Rd	Janneys Ln & Vassar Rd	2,691	2,715	24	+0.9%
4	Yale Dr	Janneys Ln & Vassar Rd	1,932	2,065	133	+6.9%
5	Trinity Dr	Cathedral Dr & Canterbury Ln	957	895	-62	-6.5%
6	Trinity Dr	Quaker Ln & Ft William Pkwy	571	561	-10	-1.8%
7	Ft. William Pkwy	Seminary Rd & Trinity Dr	1,196	1,238	42	+3.5%
8	North Howard St	Seminary Rd & N Jordan St	6,176	5,408	-768	-12.4%
9	North Jordan St	Seminary Rd & Howard St	7,384	7,838	454	+6.1%
10	Janneys Ln	Skyhill Rd & W Taylor Run Pkwy	7,902	7,292	-610	-7.7%

Before and After: Side Street Speeds

#	Street	Segment	Avg. 85 th Percentile Speed			
			Before (mph)	After (mph)	Difference (mph)	Difference (%)
1	W Taylor Run Pkwy	Duke St Service Rd & Dartmouth Rd	27.3	29.5	+2.2	+8.1%
2	Cloverway Ln	Janneys Ln & Vassar Rd	27.1	23.5	-3.6	-13.3%
3	Cambridge Rd	Janneys Ln & Vassar Rd	23.3	22.0	-1.3	-5.6%
4	Yale Dr	Janneys Ln & Vassar Rd	24.6	24.5	-0.1	-0.4%
5	Trinity Dr	Cathedral Dr & Canterbury Ln	33	28.5	-4.5	-13.6%
6	Trinity Dr	Quaker Ln & Ft William Pkwy	28.4	27.5	-0.9	-3.2%
7	Ft. William Pkwy	Seminary Rd & Trinity Dr	25.7	28.5	+2.8	+10.9%
8	North Howard St	Seminary Rd & N Jordan St	31.1	29.0	-2.1	-6.8%
9	North Jordan St	Seminary Rd & Howard St	34.8	37.5	+2.7	+7.8%
10	Janneys Ln	Skyhill Rd & W Taylor Run Pkwy	33.4	31.0	-2.4	-7.2%

Next Steps

- Staff will continue to evaluate and monitor reduced speed limits on Seminary and Quaker, as well as side streets

