

# Safety Pilot Project

## Patrick Henry Dr & 18<sup>th</sup> St N School Crossing Improvements

**Project Description:** In April 2022, this pilot project added new school crossing signage, speed signage, and pavement markings (SCHOOL X-ING) on Patrick Henry Dr at the 18th St N crossing. This is a unique location of an uncontrolled school crossing over an arterial (higher volume) roadway. The objective is to test the signage and marking treatments and determine their impact on (1) driver yielding behavior to crossing pedestrians and (2) vehicle speeds.

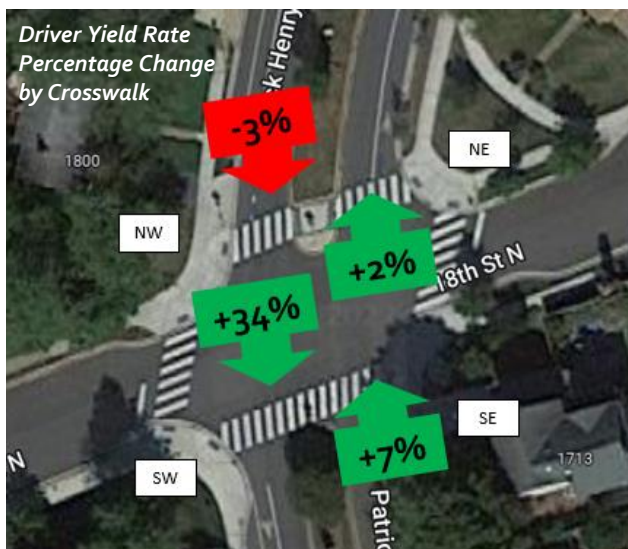


## Before & After Data

**Performance Measures:** Metrics to assess the impacts of this pilot include (1) the percentage of drivers who stopped for a pedestrian attempting to cross the street in the crosswalk (aka - driver yield rate) and (2) vehicle speeds.

**Driver Yield Rates:** The data shows a noticeable overall improvement in the yield rates post-improvement with the collective yield rate increasing from 73% (March 2022) to 78% (April 2022).

**Vehicle Speeds:** The data shows no change in vehicle speeds with both datasets showing 85<sup>th</sup> percentile speeds of 30MPH on Patrick Henry Dr at the south crosswalk both in February 2022 and May 2022.



## Findings & Next Steps

- The pilot improved yielding but had no impact on speed on Patrick Henry Dr.
- Staff will continue to monitor behavior at the intersection and collect additional data.
- **We will seek feedback from the community in Fall 2022 to learn about user experiences at the crossing since the pilot was installed.**
- Using additional data and user feedback from Fall 2022, we will determine next steps for this and similar arterial school crossings throughout Arlington.