

## Traffic Calming Pilot Projects

April 2020

### Project Background

City staff has been working over the past year to identify potential ways to mitigate concerns over the speed of traffic traveling through neighborhoods and recently developed/adopted Traffic Calming Guidelines in 2019. Based on guidelines, traffic calming measure(s) could be considered for streets with 85<sup>th</sup> percentile speeds of vehicles exceeding 5 mph over the posted speeds. Based on the guidelines, Cobblestone Drive, Carson Farms Boulevard and Executive Boulevard have all been identified due to recent studies showing the 85<sup>th</sup> percentile speed of vehicles traveling along these roadways is 33-34 MPH (or 15% of vehicles are traveling above 33-34 mph). All three (3) streets are collector roadways with Cobblestone Drive and Carson Farms Boulevard averaging 2000-2200 vehicles per day and Executive Boulevard averaging 1350 vehicles per day.

In response to these higher speeds, City Council has approved implementing/piloting traffic calming countermeasures along these roadways. These traffic calming countermeasures include adding a permanent set of Speed Feedback Signs followed by the addition of edge line and centerline pavement markings to effectively narrow the appearance of each street if deemed necessary. It is anticipated that these types of countermeasures will result in slowing motorists speeds that travel along these roadways throughout the day. For reference, the images to the right show an example of a speed feedback sign and depict similar pavement marking narrowing applications.

A set Speed Feedback Signs will be installed on each street at a location where speeds tend to be the highest. The signs, mounted below a standard speed limit sign, indicate the approaching vehicle speed and begin to flash when a vehicle exceeds the posted speed. The maximum speed displayed would be 40 mph to discourage the undesirable behavior of purposefully registering high vehicle speeds on the feedback display. The signs are capable of collecting vehicle counts and volume data, which will provide valuable feedback for future evaluation of the efficacy of the units.

If installed, pavement markings on all three (3) streets will be striped with two 10'-0 wide vehicular travel lanes with white edge striping creating parking zones adjacent to the curbs along both sides of the street. The result is a narrow feeling roadway that typically yields reduced motorists speed.

Traffic data will be collected before and after the installation of the speed feedback signs, as well as for several months following. This information will be shared publicly as part of the overall pilot projects evaluation. Several other residential collector streets in Delaware experience similar traffic concerns and could potentially benefit from similar applications in the future.

The installation of these signs is anticipated to be completed in April-May of this year. The effectiveness of these signs on reducing motorists speeds will be monitored and, if deemed necessary, the pavement markings (edge lines and centerlines) could be installed at a later date.

For weekly project updates and reports, visit the Access Delaware Facebook page.

For information regarding other local roadway improvement and transportation projects, visit [www.delawareohio.net/access-delaware](http://www.delawareohio.net/access-delaware)

