

Arlington County Launched Hardened Centerlines Safety Pilot Project to Help Reduce Crash Risks



Goals

Install hardened centerlines and turn wedges to encourage drivers to make left turns at slower speeds, which improves yielding and reduces crash risk.

- Slow down left-turning vehicles without reducing traffic capacity to less than 10 MPH
- Guide vehicles to wider turning angles for safer and more predictable turns
- Increase visibility for turning drivers of pedestrians in crosswalks

Treatments

- 5 intersections
- Barco Products Premium Recycled Rubber Speed Bumps, some extending into the intersection
- Turn wedges

Results

SAFETY IMPROVEMENTS

Increase in cars turning at <10 MPH

16%

Reduction in cars cutting corners on left turns

33%

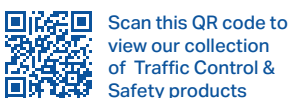
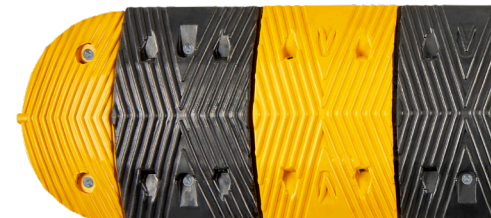


Residents feeling "safe" or "very safe" increased after installation of hardened centerlines

Conclusion

More than 30% of respondents wanted to see the pilot program expanded to other locations. Due to the safety benefits expressed by community members, reductions in speeding, and improvements in vehicle positioning, the County will expand the use of hardened centerlines as a typical quick-build safety tool to address left turn-related crash risks. Arlington continues to work on education and messaging campaigns to ensure community members understand the treatment and its purpose. Hardened centerlines are currently planned for quick-build installations at five additional sites in 2025, each identified because of left-turn crash patterns.

Barco Products Premium Recycled Rubber Speed Bumps



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