

Left Turn Assist (LTA)



TRANSPORTATION NEEDS ADDRESSED



V2V



SAFETY

HOW COULD THIS HELP?

- ✓ Reduces fatal and serious injury crashes
- ✓ Improves intersection safety

HOW DOES THIS WORK?

- ✓ An application where alerts are given to the driver as they attempt an unprotected left turn across traffic, to help them avoid crashes with opposite direction traffic.

SOLUTION IMPROVEMENTS

- ✓ Intersection crashes
- ✓ Roadway departure crashes
- ✓ Distracted driving

SOLUTION PITFALLS

- ✓ Both vehicles must be V2V equipped

Disclaimer: all content is for planning purposes only and published as of Summer 2020. Contact the author at shacav@mdot.maryland.gov with any questions or comments.

INVESTMENT

- + V2X ROADSIDE UNIT COST PER MILE-FREEWAYS
NO ADDITIONAL INFRASTRUCTURE COSTS
- + V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS
NO ADDITIONAL INFRASTRUCTURE COSTS
- + V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALIZED CORRIDORS
NO ADDITIONAL INFRASTRUCTURE COSTS
- + FIBER OPTICS COST PER MILE
NO ADDITIONAL INFRASTRUCTURE COSTS