Left Turn Assist (LTA)

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.

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

TRANSPORTATION NEEDS ADDRESSED

V2V
SAFETY

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.