

# Blind Spot/Lane Change Warning (BSW/LCW)



## TRANSPORTATION NEEDS ADDRESSED



V2V



SAFETY

## HOW COULD THIS HELP?

- ✓ Reduces fatal and serious injury crashes

## HOW DOES THIS WORK?

- ✓ An application where alerts are displayed to the driver that indicate the presence of same-direction traffic in an adjacent lane (Blind Spot Warning).
- ✓ Alerts are given to drivers during host vehicle lane changes (Lane Change Warning) to help the driver avoid crashes associated with potentially unsafe lane changes.

## SOLUTION IMPROVEMENTS

- ✓ Side swipe crashes
- ✓ Distracted driving
- ✓ Roadway departure crashes

## 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](mailto: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**