

Forward Collision Warning (FCW)



TRANSPORTATION NEEDS ADDRESSED



V2V



SAFETY

HOW COULD THIS HELP?

- ✓ Reduces fatal and serious injury crashes

HOW DOES THIS WORK?

- ✓ An application where alerts are presented to the driver in order to help avoid or mitigate the severity of crashes into the rear end of other vehicles on the road.
- ✓ Forward crash warning responds to a direct and imminent threat ahead of the host vehicle.

SOLUTION IMPROVEMENTS

- ✓ Distracted driving
- ✓ Rear-end 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 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