Emergency Electronic Brake Lights (EEBL)

TRANSPORTATION NEEDS ADDRESSED

V2V

SAFETY

HOW COULD THIS HELP?

- Reduces fatal and serious injury crashes

HOW DOES THIS WORK?

- An application where the driver is alerted to hard braking in the traffic stream ahead.
- Provides the driver with additional time to look for, and assess situations developing ahead.

SOLUTION IMPROVEMENTS

- Multi-car pile-up
- Distracted driving
- Rear-end crashes
- Roadway departure crashes

SOLUTION PITFALLS

- Both vehicles must be V2V equipped

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

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.

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION