

Reduced Speed/Work Zone Warning (RSWZ)



TRANSPORTATION NEEDS ADDRESSED



V2I



SAFETY

HOW COULD THIS HELP?

- ✓ Reduces fatal and serious injury crashes
- ✓ Improves work zone safety

HOW DOES THIS WORK?

- ✓ An application utilizes roadside equipment to broadcast alerts to drivers warning them to reduce speed, change lanes, or come to a stop within work zones.

SOLUTION IMPROVEMENTS

- ✓ Unsafe travel through work zones
- ✓ Work zone safety
- ✓ First Responder safety

SOLUTION PITFALLS

- ✓ Infrastructure and vehicle must be V2I 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
\$52,000
- + V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS
\$26,000
- + V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALIZED CORRIDORS
\$10,000
- + FIBER OPTICS COST PER MILE
\$158,000