

Stop Sign Violation Warning (SSVW)



TRANSPORTATION NEEDS ADDRESSED



V2I



SAFETY

HOW COULD THIS HELP?

- ✓ Reduces fatal and serious injury crashes

HOW DOES THIS WORK?

- ✓ An Application broadcasts the presence and position of a stop sign to the in-vehicle device, allowing the vehicle to determine, and provide alerts and warnings, if the driver is at risk of violating the stop sign.

SOLUTION IMPROVEMENTS

- ✓ Inability to detect stop sign
- ✓ Rear-end collisions
- ✓ Intersection crashes

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
N/A
- + 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