

Emergency Vehicle Preemption (PREEMPT)



TRANSPORTATION NEEDS ADDRESSED



MOBILITY



V2I



SAFETY

HOW COULD THIS HELP?

- ✓ Provides signal preemption to emergency vehicles in case of emergencies to decrease travel time to incident scene

HOW DOES THIS WORK?

- ✓ An application provides signal preemption to emergency vehicles, and accommodates multiple emergency requests.

SOLUTION IMPROVEMENTS

- ✓ Inefficient incident response time
- ✓ Reduced 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