Emergency Vehicle Preemption (PREEMPT)

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.

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

TRANSPORTATION NEEDS ADDRESSED

MOBILITY

V2I

SAFETY

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.