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.

TRANSPORTATION NEEDS ADDRESSED

MOBILITY

V2I

SAFETY

SOLUTION IMPROVEMENTS

✓ Inefficient incident response time

✓ Reduced crashes

SOLUTION PITFALLS

✓ Infrastructure and vehicle must be V2I equipped

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