Incident Scene Work Zone Alerts for Drivers and Workers (INC-ZONE)

TRANSPORTATION NEEDS ADDRESSED

MOBILITY

V2I

SAFETY

HOW COULD THIS HELP?

✓ Increased safety for travelers and workers in work zones

HOW DOES THIS WORK?

✓ An application warns on-scene workers of vehicles with trajectories or speeds that pose a high risk to their safety.

✓ Warns drivers passing an incident zone if they need to slow down, stop, or change lanes.

SOLUTION IMPROVEMENTS

✓ Unsafe travel through work zones

✓ Work zone safety

✓ First Responder safety

SOLUTION PITFALLS

✓ Infrastructure and vehicle must be V2I equipped

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

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION