Multi-Modal Intelligent Traffic Safety System (MMITSS)

HOW COULD THIS HELP?

- Increases efficiency of traffic operations along with the safety of all modes of transportation

HOW DOES THIS WORK?

- To provide overarching system optimization that accommodates transit and freight signal priority, preemption for emergency vehicles, and pedestrian movements while maximizing overall arterial network performance.

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

TRANSPORTATION NEEDS ADDRESSED

V2I SAFETY

SOLUTION IMPROVEMENTS

- Unoptimized multi-modal traffic management

SOLUTION PITFALLS

- Infrastructure and freight 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.