

Intelligent Traffic Signal System (I-SIG)



TRANSPORTATION NEEDS ADDRESSED



HOW COULD THIS HELP?

- ✓ Optimizes traffic signals for priority
- ✓ Addresses preemption and pedestrian movements

HOW DOES THIS WORK?

- ✓ An overarching system optimization application accommodates signal priority, preemption and pedestrian movements.

SOLUTION IMPROVEMENTS

- ✓ Unoptimized transit operation
- ✓ Striking pedestrian

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