

Mobile Accessible Pedestrian Signal System (PED-SIG)



TRANSPORTATION NEEDS ADDRESSED



MOBILITY



V2I



SAFETY

HOW COULD THIS HELP?

- ✓ Enables the visually impaired to use traffic signals more safely and effectively

HOW DOES THIS WORK?

- ✓ An application allows for an automated call from the smart phone of a visually impaired pedestrian to the traffic signal, as well as audio cues to safely navigate the crosswalk.

SOLUTION IMPROVEMENTS

- ✓ Striking pedestrians, Unoptimized crosswalk cues for the visually impaired

SOLUTION PITFALLS

- ✓ Traffic signal needs additional communication equipment

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