

# Dynamic Speed Harmonization (SPD-HARM)



## TRANSPORTATION NEEDS ADDRESSED



MOBILITY

## HOW COULD THIS HELP?

- ✓ Recommends target speed to maximize throughput and reduce crashes

## HOW DOES THIS WORK?

- ✓ An application aims to recommend target speeds in response to congestion, incidents, and road conditions to maximize throughput and reduce crashes.

## SOLUTION IMPROVEMENTS

- ✓ Unoptimized traffic speeds
- ✓ Distracted driving
- ✓ Excessive congestion

## 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](mailto:shacav@mdot.maryland.gov) with any questions or comments.

### 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**