

# Motorist Advisories and Warnings (MAW)



## TRANSPORTATION NEEDS ADDRESSED



ROAD WEATHER



V2I



SAFETY

## HOW COULD THIS HELP?

- ✓ Notifies travelers on deteriorating road
- ✓ Reduces weather related and incident delays
- ✓ Reduces weather related crashes

## HOW DOES THIS WORK?

- ✓ An application could use road-weather data from connected vehicles.
- ✓ Warnings and information are provided to travelers on deteriorating road and weather conditions on specific roadway segments.

## SOLUTION IMPROVEMENTS

- ✓ Unoptimized road-weather data distribution
- ✓ Traffic delays and road closures due to weather related incidents
- ✓ Roadway departure crashes
- ✓ Multi-car pile-ups

## 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**