Motorist Advisories and Warnings (MAW)

**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

**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.

**TRANSPORTATION NEEDS ADDRESSED**

- **ROAD WEATHER**
- **V2I**
- **SAFETY**

**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 with any questions or comments.