

# Probe-based Pavement Maintenance



## TRANSPORTATION NEEDS ADDRESSED



AGENCY DATA

## HOW COULD THIS HELP?

- ✓ Gathers important roadway data for agencies to act upon
- ✓ Supports asset management and maintenance

## HOW DOES THIS WORK?

- ✓ An application allows vehicle to automatically report potholes or other pavement anomalies.
- ✓ Provides information to an agency and the public on asset condition

## SOLUTION IMPROVEMENTS

- ✓ Pothole management
- ✓ Pothole related crashes

## 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**