

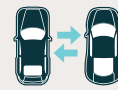
# Probe-enabled Traffic Monitoring



## TRANSPORTATION NEEDS ADDRESSED



AGENCY DATA



V2V

## HOW COULD THIS HELP?

- ✓ Gathers important roadway data for agencies to act upon
- ✓ Supports traffic management strategies

## HOW DOES THIS WORK?

- ✓ An application utilizes communication technology to transmit real time traffic data between vehicles.
- ✓ Provides information to an agency and the public on performance of roadways

## SOLUTION IMPROVEMENTS

- ✓ Data transference

## 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**