HOW COULD THIS HELP?

- Saves fuel
- Reduces emissions

HOW DOES THIS WORK?

- A V2V application uses connected vehicle technologies to collect speed, acceleration, and location information of other vehicles and integrates these data into a vehicle’s adaptive cruise control system.
- This application allows for automated longitudinal control capabilities and vehicle platooning that seek to reduce fuel consumption and emissions.

INVESTMENT

- V2X ROADSIDE UNIT COST PER MILE-FREEWAYS
  $52,000
- V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS
  N/A
- V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALIZED CORRIDORS
  N/A
- FIBER OPTICS COST PER MILE
  $158,000

SOLUTION IMPROVEMENTS

- Excessive fuel consumption
- Distracted driving
- Excessive emissions

SOLUTION PITFALLS

- Vehicles must be V2V 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.