# **Connected Eco-Driving**



#### HOW COULD THIS HELP?

Saves fuel and reduces emissions



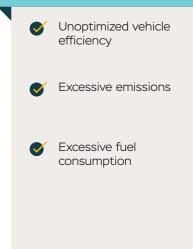
An application uses V2I and V2V data to provide customized real-time driving advice to drivers, including recommended driving speeds and optimal acceleration/deceleration profiles, so that drivers can adjust their driving behavior to save fuel and reduce emissions.

# TRANSPORTATION NEEDS ADDRESSED



### ENVIRONMENT

#### SOLUTION IMPROVEMENTS



#### SOLUTION PITFALLS

Infrastructure and vehicle must be V2I/V2V equipped

Disclaimer: all content is for planning purposes only and published as of Summer 2020. Contact the author at <u>shacav@mdot.maryland.gov</u> with any questions or comments.

MINING MARYLAND DEPARTMENT OF TRANSPORTATION



+ 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