Mobile Applications

HOW COULD THIS HELP?

- Increases pedestrian safety near roadways

HOW DOES THIS WORK?

- Rider Alert is a mobile application that aims to reduce collisions between vehicles and pedestrians especially cyclists by scanning for Bluetooth-enabled smartphones while moving through traffic.
- It will sound an alert on smartphones running the Rider Alert application when pedestrians and cyclists are nearby.

INVESTMENT

- V2X ROADSIDE UNIT COST PER MILE-FREeways
  N/A
- 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

TRANSPORTATION NEEDS ADDRESSED

PEDESTRIAN

- Striking pedestrians, Collision with bicyclists

SOLUTION IMPROVEMENTS

SOLUTION PITFALLS

- Requires software application development

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.