

Mobile Applications



TRANSPORTATION NEEDS ADDRESSED



PEDESTRIAN

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.

SOLUTION IMPROVEMENTS

- ✔ Striking pedestrians,
Collision with bicyclists

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.

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