Pedestrian in Signalized Crosswalk Warning (Transit)

**HOW COULD THIS HELP?**
- Improves vulnerable road user safety

**HOW DOES THIS WORK?**
- An application warns transit bus operators when pedestrians, within the crosswalk of a signalized intersection, are in the intended path of the bus.

**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**
- V2I
- SAFETY

**SOLUTION IMPROVEMENTS**
- Distracted driving
- Striking pedestrian
- Roadway departure crashes

**SOLUTION PITFALLS**
- Both 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.