**Forward Collision Warning (FCW)**

**HOW COULD THIS HELP?**
- Reduces fatal and serious injury crashes

**HOW DOES THIS WORK?**
- An application where alerts are presented to the driver in order to help avoid or mitigate the severity of crashes into the rear end of other vehicles on the road.
- Forward crash warning responds to a direct and imminent threat ahead of the host vehicle.

**TRANSPORTATION NEEDS ADDRESSED**
- V2V
- Safety

**SOLUTION IMPROVEMENTS**
- Distracted driving
- Rear-end crashes

**SOLUTION PITFALLS**
- Both vehicles must be V2V equipped

**INVESTMENT**
- V2X Roadside Unit Cost per Mile-Freeways
  - No Additional Infrastructure Costs
- V2X Roadside Unit Cost per Intersection-Signalized Corridors
  - No Additional Infrastructure Costs
- V2X Signal Controller Cost per Intersection-Signalized Corridors
  - No Additional Infrastructure Costs
- Fiber Optics Cost per Mile
  - No Additional Infrastructure Costs

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.