CV-enabled Turning Movement & Intersection Analysis

**HOW COULD THIS HELP?**
- Gathers important roadway data for agencies to act upon
- Supports traffic management strategies, planning, and project development

**HOW DOES THIS WORK?**
- An application uses paths self-reported by vehicles to track turning ratios, delay, and other intersection metrics.
- Provides information for use in planning, project development, and intersection improvements

**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**
- AGENCY DATA

**SOLUTION IMPROVEMENTS**
- Data gathering optimization
- CV enabled turning

**SOLUTION PITFALLS**
- Infrastructure and vehicle must be V2I 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.