## CV-enabled Turning Movement & Intersection Analysis



#### HOW COULD THIS HELP?

V

Gathers important roadway data for agencies to act upon

Supports traffic management strategies, planning, and project development

#### **HOW DOES THIS WORK?**

**V** 

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

+ V2X ROADSIDE UNIT COST PER MILE-FREEWAYS

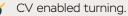
### TRANSPORTATION NEEDS ADDRESSED





#### SOLUTION IMPROVEMENTS





#### SOLUTION PITFALLS

 Infrastructure and vehicle must be V2I equipped

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Disclaimer: all content is for planning purposes only and published as of Summer 2020. Contact the author at <u>shacav@mdot.maryland.gov</u> with any questions or comments.

MARYLAND DEPARTMENT OF TRANSPORTATION

# INVESTMENT

+ V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALIZED CORRIDORS

+ V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS

#### \$10,000

\$26,000

N/A

+ FIBER OPTICS COST PER MILE \$158,000