

Vehicle Classification-based Traffic Studies



TRANSPORTATION NEEDS ADDRESSED



AGENCY DATA

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 sorts vehicle behavior data by vehicle type.
- ✓ Provides information for use in planning and project development

SOLUTION IMPROVEMENTS

- ✓ Data gathering optimization

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.

INVESTMENT

- + V2X ROADSIDE UNIT COST PER MILE-FREEWAYS
\$52,000
- + 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