Vehicle Classification-based Traffic Studies

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

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

TRANSPORTATION NEEDS ADDRESSED

AGENCY DATA

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.