CV-enabled Origin-Destination 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 uses connected vehicle technology to monitor the beginning and end points of a vehicle’s journey and extrapolate the route in between.
- 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

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.