Eco-Traffic Signal Priority



HOW COULD THIS HELP?

Keeps freight/transit operations on schedule

Reduces emissions by keeping large freight/transit vehicles moving

HOW DOES THIS WORK?

- An application allows transit or freight vehicles approaching a signalized intersection to request signal priority, thereby adjusting the signal timing dynamically to improve service for the vehicle.
 - Priority decisions are optimized for the environment by considering vehicle type, passenger count, or adherence to schedule.

TRANSPORTATION NEEDS ADDRESSED



ENVIRONMENT



SOLUTION **IMPROVEMENTS**



N/A

INVESTMENT

+ V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS

+ V2X ROADSIDE UNIT COST PER MILE-FREEWAYS

\$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.

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