Queue Warning (Q-WARN)



TRANSPORTATION NEEDS ADDRESSED



HOW COULD THIS HELP?

Reduces congestion

HOW DOES THIS WORK?

An application aims to provide drivers timely warnings of existing and impending queues.

SOLUTION IMPROVEMENTS

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Lack of knowledge of impending queues

+ 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

SOLUTION PITFALLS

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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.

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

INVESTMENT