Queue Warning (Q-WARN)

HOW COULD THIS HELP?

✓ Reduces congestion

HOW DOES THIS WORK?

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

TRANSPORTATION NEEDS ADDRESSED

MOBILITY

SOLUTION IMPROVEMENTS

✓ Lack of knowledge of impending queues

SOLUTION PITFALLS

✓ Infrastructure and vehicle must be V2I equipped

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

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION