Wireless Inspection

HOW COULD THIS HELP?

✓ Optimizes freight vehicle inspection

SOLUTION IMPROVEMENTS

✓ Inefficient freight Inspection

HOW DOES THIS WORK?

✓ An application will utilize roadside sensors to transmit identification, hours of service, and sensor data directly from trucks to carriers and government agencies.

SOLUTION PITFALLS

✓ Requires planned and real-time data from freight shippers

✓ Requires potentially sensitive company information and PII

✓ Infrastructure and freight vehicle must be V2I equiped

INVESTMENT

+ V2X ROADSIDE UNIT COST PER MILE-FREEWAYS
  $52,000

+ V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS
  N/A

+ V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALIZED CORRIDORS
  N/A

+ 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.

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION