Wireless Inspection

HOW COULD THIS HELP?

- Optimizes freight vehicle 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.

INVESTMENT

- V2X ROADSIDE UNIT COST PER MILE-FREeways
  $52,000

- V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALED CORRIDORS
  N/A

- V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALED CORRIDORS
  N/A

- FIBER OPTICS COST PER MILE
  $158,000

TRANSPORTATION NEEDS ADDRESSED

SMART ROADSIDE

SOLUTION IMPROVEMENTS

- Inefficient freight Inspection

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 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.