Drayage Optimization (DR-OPT)

**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

**HOW COULD THIS HELP?**

- Optimizes truck/load movements

**HOW DOES THIS WORK?**

- An application optimizes truck/load movements between freight facilities, balancing early and late arrivals.

**TRANSPORTATION NEEDS ADDRESSED**

- Unoptimized drayage

**SOLUTION IMPROVEMENTS**

- Requires planned and real-time data from freight shippers

**SOLUTION PITFALLS**

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.