

Drayage Optimization (DR-OPT)



TRANSPORTATION NEEDS ADDRESSED



MOBILITY



FREIGHT

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.

SOLUTION IMPROVEMENTS

- ✓ Unoptimized drayage

SOLUTION PITFALLS

- ✓ Requires planned and real-time data from freight shippers

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.

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