Smart Truck Parking

HOW COULD THIS HELP?

✓ Optimizes route planning for commercial drivers

SOLUTION IMPROVEMENTS

✓ Trucks operating on highways longer than necessary

HOW DOES THIS WORK?

✓ An application will provide information such as hours of service constraints, location and supply of parking, travel conditions, and loading/unloading scheduling to allow commercial drivers to make advanced route planning decisions.

SOLUTION PITFALLS

✓ Infrastructure and vehicle must be V2I equipped

✓ Requires accurate real-time parking data through sensors

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