Eco-Smart Parking

HOW COULD THIS HELP?

✈ Saves fuel and reduces emissions

HOW DOES THIS WORK?

✈ An application provides users with real-time location, availability, type, and price of parking, resulting in reduced parking search times and emissions.

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

TRANSPORTATION NEEDS ADDRESSED

ENVIRONMENT

V2I

SOLUTION IMPROVEMENTS

✈ Excessive fuel consumption

✈ Excessive emissions

SOLUTION PITFALLS

✈ Requires accurate static and real-time parking data

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.