Dynamic Ridesharing (D-RIDE)

HOW COULD THIS HELP?

- Optimizes ridesharing

HOW DOES THIS WORK?

- An application uses dynamic ridesharing technology, personal mobile devices, and voice activated on-board equipment to match riders and drivers.

INVESTMENT

- V2X ROADSIDE UNIT COST PER MILE-FREeways
  - N/A
- 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

SOLUTION IMPROVEMENTS

- Unoptimized ridesharing

SOLUTION PITFALLS

- Vehicles need additional communication equipment

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.