Eco-Lanes Management

**HOW COULD THIS HELP?**

- Saves fuel and reduces emissions by defining the operations of eco-lanes

**HOW DOES THIS WORK?**

- An application establishes parameters and defines the operations of eco-lanes.
- Eco-lanes operate similar to existing managed lanes, but optimized for the environment.

**INVESTMENT**

- **V2X ROADSIDE UNIT COST PER MILE-FREeways**
  - $52,000
- **V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS**
  - N/A
- **V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALIZED CORRIDORS**
  - N/A
- **FIBER OPTICS COST PER MILE**
  - $158,000

**TRANSPORTATION NEEDS ADDRESSED**

**ENVIRONMENT**

**SOLUTION IMPROVEMENTS**

- Unoptimized use of eco-friendly vehicles/lanes
- Excessive emissions
- Excessive fuel consumption

**SOLUTION PITFALLS**

- May increase congestion if too few vehicles meet eco standards

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.