Dynamic Eco-Routing (Light Vehicle, Transit, Freight)

**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

**How Could This Help?**

- Prioritizes economic impacts when creating driving route

**How Does This Work?**

- A navigation routing application determines the most eco-friendly route, in terms of minimizing fuel consumption or emissions, for individual travelers.

**Solution Pitfalls**

- Requires software application development

- Requires adequate environmental data

**Solution Improvements**

- Excessive fuel consumption

- Excessive emissions

**Transportation Needs Addressed**

- Environment

**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.