Dynamic Speed Harmonization (SPD-HARM)

**How Could This Help?**

- Recommends target speed to maximize throughout and reduce crashes

**How Does This Work?**

- An application aims to recommend target speeds in response to congestion, incidents, and road conditions to maximize throughput and reduce crashes.

**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**

**Solution Improvements**

- Unoptimized traffic speeds
- Distracted driving
- Excessive congestion

**Solution Pitfalls**

- Infrastructure and vehicle must be V2I equipped

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.