Intelligent Traffic Signal System (I-SIG)

**How could this help?**
- Optimizes traffic signals for priority
- Addresses preemption and pedestrian movements

**How does this work?**
- An overarching system optimization application accommodates signal priority, preemption and pedestrian movements.

**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

**Solution Improvements**
- Unoptimized transit operation
- Striking pedestrian

**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.