Probes-enabled Traffic Monitoring

**How Could This Help?**
- Gathers important roadway data for agencies to act upon
- Supports traffic management strategies

**How Does This Work?**
- An application utilizes communication technology to transmit real-time traffic data between vehicles.
- Provides information to an agency and the public on performance of roadways

**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**
- AGENCY DATA
- V2V

**Solution Improvements**
- Data transference

**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.