US 1 Innovative Technology Deployment Corridor

- Arterial CCTV to support incident and traffic management
- Detection to support arterial travel times
- Upgraded signal controllers to support better timing and future CV applications
- DSRC deployment at intersections in support of National SPaT Challenge
- Enhanced high-bandwidth communication connectivity to support future needs
- Additional tools (arterial DMS, localized RWIS deployment, etc)
Project Limits

- US 1: MD 32 to I-195
- MD 175: MD 108 to Brock Bridge Rd
SCOPING EFFORT FOR US 1 PILOT PROGRAM

**Complete**  ➔ **Field Review** - cabinets, communications, current equipment specs, etc.

**In Progress**  ➔ **Communications/Network Architecture** - build a high level logical architecture that accommodates current and future needs

**In Progress**  ➔ **Design Elements** - include specs for some of the equipment, network/communication design, logical and physical architecture

**In Progress**  ➔ **Implementation Elements** - operations & maintenance, cost estimate/assessment, risk/benefit matrix

**Planned**  ➔ **Phased Schedule** - break the effort into manageable chunks and address the relative needs/outcomes of each phase
US 1 Deployment - General Schedule

- **Summer/Fall 2017** - Requirements & Planning
- **Winter 2017** – Design & Advertisement
- **Spring/Summer 2018** – Construction, Integration, & Completion