

Connected Intersection (CI) Testing and Validation Sites Selected

ITE, AASHTO, and NEMA are pleased to announce that the Connected Intersections (CI) Committee has selected a geographically diverse group of sites to participate in the testing and validation of the CI Implementation Guide. In addition to others, the sites include the following locations, as of the time of the release of this document are as shown below:

- University of Alberta, Edmonton, Alberta, Canada
- City of Anaheim, CA
- California Department of Transportation (Caltrans), Palo Alto, CA
- Clark County, WA
- City and County of Denver, CO
- DriveOhio, City of Dublin/City of Columbus, OH
- Florida DOT, FL
- Georgia DOT, Atlanta, GA
- Maricopa County DOT, AZ
- Panasonic North America, Denver, CO
- San Diego, CA
- University of Michigan Transportation Research Institute (UMTRI), Ann Arbor, MI
- Utah Department of Transportation, Salt Lake City, UT

The CI Implementation Guide is the culmination of a collaborative effort involving mostly volunteers representing infrastructure owner operators (IOOs), automotive original equipment manufacturers (OEMs), infrastructure equipment vendors, security specialists, ITS systems integrators, and end users of data and services. It defines the key capabilities and interfaces that a signalized intersection in a connected vehicle environment must support to ensure nationwide interoperability with production vehicles for state and local IOOs.

Testing and validation activities planned include:

- A field test to ensure that the Signal Phase and Timing (SPaT) and map data messages being broadcast conform to the CI Implementation Guide and are unambiguous and complete for action by a Red-Light Violation Warning application installed on a vehicle
- A description of the changes and issues, along with the level of effort and time, needed by an IOO to conform with the CI Implementation Guide
- Identification of ambiguities and gaps in the CI Implementation Guide

The Connected Intersections project is sponsored by the United States Department of Transportation (USDOT) ITS Joint Program Office (JPO), and supported by several standards development organizations (SDOs) to ensure balanced and effective stakeholder representation and an adherence to standards development processes. The SDOs involved include AASHTO, ITE, NEMA, and SAE International.

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