BlueTOAD® CV
(DSRC/C-V2X Roadside Unit)
Combine traveler information with vehicle-to-infrastructure data

Traffic signal priority and pre-emption
More than just delivering integrated traveler information and Connected Vehicle (CV) data, Iteris’ RSU solution (5.9 GHz wireless and BlueARGUS™) provides the foundation for managing a full suite of V2X applications, including signal priority and preemption. The DSRC/C-V2X standard Signal Request Messaging (SRM) and Traveler Information Message (TIM) processing available in the Iteris RSU provides for the ability to implement dedicated applications to manage simultaneous priority requests to deliver the complete range of V2X signal priority, preemption and personal mobile applications, including:

- Intelligent Signal Timing applications
- Emergency Vehicle Preemption
- Transit, public works or freight vehicle Signal Priority and mobility efficiency applications
- Pedestrian & Bicycle mobility and safety

TravelSmart mobile app
Iteris’ BlueTOAD Spectra CV is now deployed to connect its TravelSmart mobile App and Connected Vehicles to a robust IoT data collection and analytics platform-BlueARGUS™.

With the TravelSmart mobil app you get:
- SPaT StatusCV App Display & Management
- Location-BasedServices: Travel Times, Incidents (in real time)
- User-Defined Route Creation & Management
- TravelSmart App available for iOS® or Android®
- CV Data collection, management and analytics
Delivering new levels of roadside sensor capabilities

Iteris has combined two wireless technologies – Dedicated Short Range Communications (DSRC) and Cellular Vehicle to Everything (C-V2X) 5.9 GHz technology – into one RSU. BlueTOAD CV combines DSRC and C-V2X, providing the essential V2X interconnectivity for safety and mobility applications in Connected Vehicle (CV) initiatives.

Through its extensive experience working with transportation agencies and engineering services partners to install and maintain roadside technology, as well as its very popular BlueARGUS™ web-based analytics software, Iteris is providing the multi-purpose Vehicle-to-Infrastructure (V2I) roadside application platform that is the foundation, enabling a variety of Connected Vehicle applications:

- Vehicle BSM and CV data collection, management and Performance Measures analytics shared with Intelligent Signal Timing applications

BlueARGUS is now optimized for travel-time and V2X data visualization, using Basic Safety Message (BSM) data aggregation and management. By implementing this integrated safety and mobility traffic monitoring system, city traffic departments, county, state, MPO’s and engineering service providers can now realize ROI on day one for their adoption of Connected Vehicle initiatives.

The Iteris RSU serves as the platform to manage and visualize the complete range of V2X applications, and the primary information source for personal mobile applications.