Webinar Title

Improving the Maintenance of Signalized Intersections and Asset Management with Automated Traffic Signal Performance Measures

Date & Time

Wednesday, April 25, 2018   1:00 – 2:30 PM ET

Registration Link

https://collaboration.fhwa.dot.gov/dot/fhwa/WC/Lists/Seminars/DispForm.aspx?ID=1659

Description

This webinar will feature examples of how Automated Traffic Signal Performance Measures (ATSPM) are applied to improve the maintenance of traffic signal systems. ATSPM support monitoring of detection, communications, signal operations and other traffic signal data to quickly spot and address maintenance issues that negatively affect traffic signal performance.

Presenters

Alan Davis, Georgia Department of Transportation (aladavis@dot.ga.gov) is the Assistant State Traffic Engineer at the Georgia Department of Transportation. Mr. Davis led updates to GDOT's Central Traffic Signal Software, local controllers and firmware, as well as updates to the GDOT Traffic Management Center. Alan led the implementation of Signal Performance Measures in the state and provided documentation to support installation and application of the UDOT ATSPM Open Source Software. He holds a BS in Civil Engineering from the University of South Carolina.

Matt Luker, Utah Department of Transportation (mluker@utah.gov**)** has been a Statewide Signal Engineer for the Utah Department of Transportation for almost ten years. He is responsible for the timing of over 600 traffic signals, and specializes in advanced signal operations such as transit priority, custom controller logic, and phasing of complex intersections. Before coming to UDOT he worked for several years as a consultant. He is a graduate of the University of Utah in Salt Lake City.

Christopher Day, Iowa State University (cmday@iastate.edu) is an assistant professor of civil engineering at Iowa State University. He previously worked at Purdue University for nearly seven years as a senior research scientist in the Joint Transportation Research Program. His research background is in transportation operations, with a focus on performance measures for signalized arterials and freeway operations. Automated traffic signal performance measures, a major product of this prior research, has been widely implemented across the US and internationally, and is becoming a standard tool in modern traffic control. Day's current research focuses on further applications of new data sets in operations and analysis, with an interest in connected and automated vehicles.

Moderator

Eddie Curtis, FHWA (Eddie.Curtis@dot.gov) has been with FHWA for 11 years. He manages the Office of Operations' Arterial Management program. He has over 20 years of experience in traffic signal management and operations. Prior to joining FHWA, he was an associate engineer with the City of Los Angeles in the Automated Traffic Surveillance and Control (ATSAC) center and worked as a private sector consultant, providing technical support for various transportation agencies. Eddie received a BS in Civil Engineering from California State University, Los Angeles and an MS in Civil Engineering from Georgia Tech.