

NOCoE Webinar Planning Template

Webinar Title

Are your Traffic Signals Ready for Automated Traffic Signal Performance Measures?

Date & Time

Thursday, June 15th, 1-2:30PM ET

Brief description

Automated Traffic Signal Performance Measures are fueling a transformation in how transportation agencies approach the management, operations and maintenance of signalized intersections. A Transportation Pooled Fund Study lead by Indiana DOT, facilitated the research and development of data collection and data analysis processes to extract High Resolution Data (HRD) using several different traffic signal controller platforms and detector configurations. Utah DOT developed Open Source software and led an AASHTO Innovation Initiative to share their software, knowledge and experience about active approaches to managing traffic signal infrastructure.

In addition to the UDOT Open Source software, several vendor led options have emerged to provide performance measurement solutions for agencies under a diverse range of organizational capability and infrastructure situations. The Federal Highway Administration's inclusion of ATSPMs in the Every Day Counts 4 Initiative, is catalyzing the transformation of traffic signal operations from traditional reactive, temporal and complaint based approaches to active, objectives and performance based approaches. The outcome of shifting traffic signal operations from reactive to proactive is high quality traffic signal operations that are consistent with the needs of communities. ATSPMs empower agencies to provide signal operations that safer, promote greater mobility, reduce congestion and demonstrate fiscal responsibility.

This webinar is the first in a series that will familiarize participants with the technical aspects of ATSPMs, how they fit into an objectives and performance based management framework, and implementation options that fit a range of agency capability, and infrastructure situation. The FHWA does not endorse or promote specific products that are presented within the context of these webinars.

Target Audience

This webinar is intended for professionals involved in the management, planning, design, operations or maintenance of signalized intersections. It will also benefit other practitioners, researchers and professionals who are interested in this topic.

Learning Objectives

- Provide an overview of the FHWA Every Day Counts Automated Traffic Signal Performance Measures Initiative and available resources to promote implementation of the technology.

- Share knowledge and lessons learned about technologies and systems used by agencies to collect and analyze high resolution traffic signal data to manage the operation and maintenance of traffic signal systems.
- Identify benefits, challenges and lessons learned from implementation of ATSPMs.

Instructors

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.

Presenters

- **Jamie Mackey, Utah DOT** (jamiemackey@utah.gov) has been a statewide signal engineer for the Utah Department of Transportation since 2011. She manages the operations of half of the state's 1200 traffic signals and develops UDOT's Automated Traffic Signal Performance Measures website. She has worked in traffic signal operations for 12 years, in both Texas and Utah. Jamie has a bachelor's degree from Iowa State University and a master's degree from the University of Texas in Austin.
- **Steve Kimble, Sensys Networks** (skimble@sensysnetworks.com) Based in Northern Virginia, Steve is the director for Sensys Networks' Strategic Business Unit. He holds a Bachelor's degree in Civil Engineering from the University of Dayton (Ohio), and is a registered professional engineer in four states. Having worked in the transportation industry for 16 years, Steve has gained a wide-ranging experience in consulting, design, and system integration on a host of transportation systems projects. In his current role with Sensys Networks, Steve acts as a sales and technical liaison with agency personnel and consulting engineers to gather requirements and develop a solution using Sensys Networks wireless traffic detection systems.
- **Colin Kinton, Beaufort County, SC** – (<mailto:ckinton@bcgov.net>) is the Director of Traffic and Transportation Engineering with Beaufort County, SC. He has over 25 years of experience working in signal design, timing, operations and coordination. In addition he leads the technical committee of the MPO for the Lowcountry of SC where travel data, trend analysis and modeling play important input roles towards the planning of future transportation improvements. He has both a bachelor's and master's degree from the University of Tennessee in Civil Engineering and Engineering Management, respectively and is licensed in the state of South Carolina.
- **Craig Anderson, Livetrafficdata.com** (craig.anderson@livetrafficdata.com) is product and business development manager for Live Traffic Data LLC, and has worked in the ITS market for

over 25 years. He has served on the USDOT Joint Committee for the development of the National Transportation Communications for ITS Protocol (NTCIP) and has authored, presented and reviewed numerous technical papers for transportation meetings worldwide. Mr. Anderson earned an MS in Physics and is a member of the ITE and IEEE.

- **Erin Skimson, Miovision (eskimson@miovision.com)**— Erin has been Miovision’s Director of ITS Product Marketing for over 2 years. She draws on more than 15 years of technology marketing, innovation and management experience to help cities, states and provinces across North America to implement Spectrum, a smarter, data-driven and cost effective traffic signal solution. Erin will look at how MassDOT and Pima County, AZ have used Spectrum Traffic Insights to actively manage and optimize traffic signal performance.