

SmartSensor (Wavetronix) Case Studies

Traffic Signal Performance Measures

1. UDOT Powerpoint Presentation: [Automated Traffic Signal Performance Measures](#)
2. [Traffic Signal Performance Measures \(ATSPM's\) White Paper](#)
3. [Automated Signal Performance Measures using SmartSensor Advance](#)

SmartSensor Advance Studies

4. UDOT: [AWS Systems and the Advance \(2008\)](#)
5. University of California, Berkeley: [Evaluation of Portable Automated Data Collection Technologies \(2008\)](#)
6. Texas A&M: [Improvements to Video Imaging Detection for Dilemma Zone Protection \(2009\)](#)
7. TTI Study: [Number of Phase Terminations per day with Advance v. Video \(2009\)](#)
8. UMASS: [Applications of Driver Behavior and Comprehension to Dilemma Zone Definition and Evaluation \(2009\)](#)
9. Vermont and the University of Massachusetts (2009): [An Evaluation of Dilemma Zone Protection Practices for Signalized Intersection Control](#)
10. University of Nebraska: [Wide Area Detectors vs. Point Detection \(2011\)](#)
11. University of Maryland: [Design and Implementation of a DCWS for Dilemma Zone Applications \(2014\)](#)
12. University of Nebraska: [Dilemma Zone Protection on High-Speeds Arterials \(2014\)](#)
13. Brigham-Young University: [Evaluation of the Accuracy of Approach Volume Counts and Speeds Collected by Microwave Sensors \(2016\)](#)
14. VDOT: [Addressing Dilemma Zone Issues with Control Solutions \(2017\)](#)