

## TRANSPORTATION SEMINAR

## Recent ITS Developments in the City of Peoria

Thursday, October 19, 2017

Noon to 1:00pm

Please join us in College Avenue Commons (CAVC) room 425 📍

**Steve McKenzie, P.E., PTOE**

City of Peoria, ITS Engineer



Over the past 10 years, the City of Peoria has been adding ITS infrastructure through local funds as well as Federal funding. Currently we have a state of the art Traffic Management Center with communication established to 118 of our 120 signalized intersections. The majority of the communication is through fiber optic cable with a few isolated intersections using wireless radio technology. All of the signalized intersections are fully actuated (meaning they have detection for all phases) and are equipped with emergency vehicle preemption sensors on all approaches. Many of the other ITS components that Peoria is using to help reduce delays and progress traffic will be discussed during the presentation.

In addition, Peoria recently received the Traffic Engineering Council Technical Achievement Award at the Joint ITE/CITE 2017 Annual Meeting and Exhibit, held July 30–August 2, in Toronto, ON, Canada. The award was for a pilot project that was launched to determine whether it is technically feasible to archive intersection video to investigate fatal and serious injury crashes and felonies using a two-pronged approach—technical and policy-based. Traffic engineers have deployed thousands of CCTV cameras at intersections for detection and real time surveillance during the last two decades. This project provides policy guidance and a technically feasible approach for improving the investigation of serious collisions and improving intersection safety. A couple example videos of crashes that were captured will be shown.

Steve received his B.S. in Civil Engineering from San Jose State University and he is a registered Professional Civil Engineer in AZ and a Professional Traffic Operations Engineer. For the past 19 years, he's worked in the traffic engineering field here in Arizona – both at the City of Phoenix and the City of Peoria. Currently, he is the ITS Engineer at the City of Peoria running the **traffic signal program**, the **ITS program**, the **Traffic Management Center**, and **Peoria's communication network**.


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