

Augmented Speed Enforcement (aSE) Smart Drums (sDrums) from a Technical Perspective, Part 2 - Deployment

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Abstract: In May and June 2012, WTI deployed 25 "Smart Drums" (sDrums) along a moving workzone on SR-152 in Central California to determine if they could improve safety by warning drivers of speed violations in the work zone. Using Zigbee communication, the sDrums form a standalone, mesh network to provide warning to drivers via a synchronized light pattern triggered by radar detection of speed. Pagers are also incorporated into the system to notify workers of speeding vehicles. In this presentation, we will discuss the technical development and performance of the system. This presentation is a followup to a presentation and demonstration given at NRITS 2011.