

Session 1: Innovation & Emerging Technologies

Infrastructure Readiness for Connected Vehicles & Traffic Signal Performance Measure Applications

- Number of state sponsored/hosted pilot programs in the following areas:
 - Connected vehicles - 0
 - Automated vehicles - 0
 - Fully autonomous vehicles - 0
- Which wireless technologies does your agency currently use for infrastructure-based (I2I/V2I/I2V) communications? N/A
 - 5.9 GHz DSRC
 - Commercial Cellular Services
 - WiMax
 - Wi-Fi
 - Bluetooth
- Does your agency have a formal institutional structure for overseeing the deployment/management of strategies to support I2I/V2I/I2V communications?
No

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- Number of signals currently broadcasting Signal Phase and Timing (SPaT) info:
400/500 in Wichita; KCK- 95%; Topeka, Manhattan, Lawrence – 50%
- Number of SPaT broadcast deployments currently planned by 2020:Unknown
- Number of other roadside units (RSUs) broadcasting infrastructure information:
Wavetronix Sensors
- Approximate breakdown (%) of signal controller inventory by the following standards (intended to ensure compatibility with connected vehicle applications)?
 - ATC 5.2b:
 - Model 2070LX:
 - Model 2070E:
 - Model 2070L:
 - NEMA, Modern (e.g., Econolite ASC3, Ethernet port is present):
 - Type 170, Modern (Ethernet port is present):
 - Incompatible (e.g., NEMA Legacy, Electromechanical):

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- Number of signal controllers currently running CV applications: 0
- Number of signal controllers planned to run CV applications by 2020: 0
- Do your current procurement specifications for traffic signal hardware (e.g., controllers) include language for SPM support? **No; we are interested in the Purdue system**
- Do your current procurement specifications for any ITS hardware (including signal controllers) include language for CV application support? **No**