

Illinois Department Of Transportation

Session 1: Innovation & Emerging Technologies

- Number of state sponsored/hosted pilot programs in the following areas:

IDOT is not hosting/sponsoring any connected or autonomous vehicle studies.

- Which wireless technologies does your agency currently use for infrastructure-based (I2I/V2I/I2V) communications?
 - 5.9 GHz DSRC
 - Commercial Cellular Services (for use at remote surveillance and video locations)
 - WiMax
 - Wi-Fi Will allow V2I TSP in signal controllers.
 - Bluetooth (for us in OD and travel times)
- Does your agency have a formal institutional structure for overseeing the deployment/management of strategies to support I2I/V2I/I2V communications?

IDOT's ITS Program Office provides minimal annual financial support for all district offices. Districts are left to program other needs from their MYP.

Illinois Department Of Transportation

Session 1: Innovation & Emerging Technologies

- Number of signals currently broadcasting Signal Phase and Timing (SPaT) info: NA
- Number of SPaT broadcast deployments currently planned by 2020: NA
- Number of other roadside units (RSUs) broadcasting infrastructure information: NA
- Approximate breakdown (%) of signal controller inventory by the following standards (intended to ensure compatibility with connected vehicle applications)? (RE: D1 only)
 - ATC 5.2b: NA; trial use of one (1)
 - Model2070LX: NA
 - Model 2070E: NA
 - Model 2070L: NA
 - NEMA, Modern (e.g., Econolite ASC3, Ethernet port is present): 40% of 3000
 - Type 170, Modern (Ethernet port is present): NA
 - Incompatible (e.g., NEMA Legacy, Electromechanical): 60% of 3000

Chicago operates 1100 signals for IDOT on state routes. 80% to 90% likely incompatible.

Illinois Department Of Transportation

Session 1: Innovation & Emerging Technologies

- Number of signal controllers currently running CV applications: **25 running TSP**
- Number of signal controllers planned to run CV applications by 2020: **100 running TSP**
- Do your current procurement specifications for traffic signal hardware (e.g., controllers) include language for SPM support? **NA**
- Do your current procurement specifications for any ITS hardware (including signal controllers) include language for CV application support? **NA**