SMART COMMUNITIES

Live tweet during the meeting! #SmartCommunities

https://www.surveymonkey.com/r/ITESmartCommunities
Smart Communities and the ITE Transportation Systems Management and Operations Council

2017 Focus Areas

• CAV Steering Committee
• Downtown Delivery Symposiums
• NoCOE Support
• Smart Communities Task Force

Live tweet during the meeting! #SmartCommunities  
https://www.surveymonkey.com/r/ITESmartCommunities
Agenda

• What is a “Smart Community”
• What Other Professional Associations are Saying
• What Western ITE Professionals are Saying
• Panel Discussion on What ITE Should be Doing
• Next Steps & Wrap-up
What is a smart community?

- **Smart Cities Council**

- **USDOT**
  - There is no single consensus definition of a smart city, but there is some agreement that a smart city is one in which information and communication technology (ICT) facilitates improved insight into and control over the various systems that affect the lives of residents.

Live tweet during the meeting! #SmartCommunities  
https://www.surveymonkey.com/r/ITESmartCommunities
Urban Deployment Examples

San Diego Gun shot detection
- Goal: improve public safety
  - Integrate gunshot detection with streetlights with traffic detection

Tampa Smart Paint
- Goal: improve quality of life for blind pedestrians
  - Integrate controller, paint sensors, and cane technology

Live tweet during the meeting! #SmartCommunities
https://www.surveymonkey.com/r/ITESmartCommunities
Rural Examples

Broadband accessibility:
- Major hindrance for rural communities
- Possible synergies with transportation

Rural SCADA systems:
- Remote monitoring of critical infrastructure
Phase 2 V2I DC Structure

SPaT Challenge Update

Challenge state and local public sector transportation Infrastructure Owners & Operators (IOOs) to deploy DSRC infrastructure with SPaT broadcasts in at least one coordinated corridor or network (approximately 20 signalized intersections) in each state by January 2020.

Additional V2I Applications that build on SPaT are also encouraged!

20 Intersections in 50 states by 2020!

Live tweet during the meeting! #SmartCommunities

https://www.surveymonkey.com/r/ITESmartCommunities
The SPaT Challenge

Challenge state and local public sector transportation Infrastructure Owners & Operators (IO&Os) to deploy DSRC infrastructure with SPaT broadcasts in at least one coordinated corridor or network (approximately 20 signalized intersections) in each state by January 2020.

Additional V2I Applications that build on SPaT are also encouraged!

20 Intersections in 50 states by 2020!
Outreach & Engagement
• Website
• TSMO Listservs
• Discussion Forums
• Newsletter & Blog

Technical Services
• Webinars
• Peer Exchanges
• National Summit
• Knowledge Center

Get Involved with NOCoE!
- www.transportationops.org
- @NOCoEOp1
- National Operations Center of Excellence
- nocoe@transportationops.org

2016 Peer Exchange: Signal Performance Measures
73% said... “Is a subject I am interested in” & “Should consider various elements including operations and maintenance after deployment”
Which elements would you like to learn more about? (check all that apply)

- Connected vehicles: 70%
- Intelligent, Sensor-Based...

Which elements appeal to you? (check all that apply)

- Connected vehicles: 70%
- Intelligent, Sensor-Based...
- Innovative Approaches...
- User-Focused Mobility...
- Urban Analytics
- Urban Delivery and Logistics
- Strategic business Mod...
- Smart Grid, Roadway...
- Connected, Involved...
- Architecture and Standards
- Low-Cost, Efficient...
- Smart land Use

Live tweet during the meeting! #SmartCommunities

https://www.surveymonkey.com/r/ITESmartCommunities
Questions

• What does Smart Communities mean to you?

• In this big space, how can ITE be relevant, connected, be recognized, & add value?

• How does Smart Communities affect the broader industry of transportation? (e.g., curriculum of universities, structure of city/county governments)
Questions

• What type of expertise will the public at large expect from an ITE member in the Smart Communities space?
  – Basic function of someone in the Smart Communities space
  – How does this change my job description?

• What new partnerships & collaborations exist?
  – We have certain people we work with now. Who should we start working with that we aren't?

Live tweet during the meeting! #SmartCommunities https://www.surveymonkey.com/r/ITESmartCommunities