Project Statement

“What is a framework ITE could use to define Transportation in Smart Communities and how could the industry utilize this framework?”

The team’s overall vision is that the Smart Cities Council (SCC), which has a vested interest in defining Smart Communities, would create a framework for developing Smart Communities with each partner focusing on a component of a Smart Community. The team believes that the SCC will be the overarching organization that will define a Smart Community with specific requirements.

The primary goal of the project is to create a framework to define transportation within Smart Communities and provide ITE with 3 options for utilizing this framework.

In an effort to keep ITE at the forefront of the transportation discipline, this project aims to provide options for ITE to become the “go-to” place for resources on transportation within Smart Communities. Through partnerships with organizations in other disciplines, ITE can be a major player in the advancement of smart communities throughout the world. The primary goal of the project is to create a framework to define transportation within Smart Communities and provide ITE with 3 options for utilizing this framework. This framework would give communities the resources they need to plan for smart communities in the long term and opportunities to apply for Smart Community grants for major smart initiatives or small projects that build smart communities time.
Framework

The framework will be a tool for communities of all sizes to determine what steps are required to become a Smart Community. The framework will lay out goals and requirements for cities to follow when planning and completing Smart Community projects. Our framework provides infrastructure requirements that aim to achieve the 5 goals shown in the diagram.

Utilizing the Framework

After a Smart Community has been defined, the team suggests that ITE, in collaboration with the SCC, use the framework and other components to create a Resource Hub, Report Card, or Certification Program, as shown in the diagram. The three options for utilizing the framework were explored with an understanding that the ITE does not have a very large staff and relies largely on volunteer hours for its many initiatives. This project aims to lay out the goals, commitment levels, and potential outcomes of the three options. ITE will then decide what level of commitment is realistic, and which option achieves the goals laid out by the International Board of Directors (IBOD). Also, we recognize the need for a multi-tiered outreach/marketing program. Topics for outreach materials need to reach a similar variety of stakeholders and touch on costs and benefits of smart communities, opportunities for funding, and case studies showing innovative strategies. ITE has an opportunity to use its vast network of Districts, Sections, Chapters and Student Chapters to start creating some of the outreach materials.