SCOWCT Strategic Direction Initiative

2016 SCOWCT Annual Meeting
Background

2015 SCOWCT Annual Meeting

• SCOWCT re-initiated activities, formed TWGs, created strategic objectives
• Determined need to formalize a framework/path for committee’s work
• Agreed to create and submit a proposal to NCHRP Project 20-7
  ▪ Proposed research to educate members on current issues and develop a technical framework for an ongoing program to address these issues
  ▪ Proposal developed by SCOWCT Leadership and Members
• Submitted SCOWCT Proposal in Spring 2016 Cycle (April 2016)
  ▪ Not selected for funding; asked to re-submit in Fall 2016
  ▪ Updated/refreshed proposal and re-submitted in early October
What is NCHRP 20-7?

National Cooperative Highway Research Program (NCHRP) Project 20-7

- NCHRP Project 20-7 “Research for the AASHTO Standing Committee on Highways (SCOH)” provides SCOH with a means to conduct research needed by the Committee and its Subcommittees to fulfill their responsibilities.
- Proposals may be submitted only by AASHTO committees that report to SCOH.
- Funding for a single project cannot exceed $100,000. Durations usually less than 12 months.
- Two (2) Submissions/Selections Annually: Spring & Fall, in conjunction with SCOH meetings

Research Need:
• SCOWCT’s work has expanded to address the need for integrated communications systems and emerging issues associated with Connected Vehicle (CV), Autonomous Vehicle (AV), spectrum management, and cybersecurity for ITS equipment.
• Need to formalize an ongoing program around these issues

Research Objective:
• Conduct research and engagement efforts to create a technical framework for addressing transportation telecommunications issues and emerging needs through a program facilitated by the National Operations Center of Excellence (NOCoE).

Technical framework will:
• Document initial research findings
• Create business and strategic approach to establish/sustain an ongoing program
1. Conduct research and develop educational materials (e.g. white papers, presentations) documenting current state of practice, needs, and issues
   ▪ Findings will educate members and inform the technical framework
2. Facilitate a technical panel to engage key experts in the research and framework development process
   ▪ SCOWCT TWGs, other AASHTO committees, ITE, ITS America, USDOT
3. Develop technical framework
   ▪ Business & strategic approach to establish/sustain program to address identified needs.
   ▪ Resulting ongoing program will conduct research, document procedures and guidelines for use by State DOTs, and provide educational opportunities.
4. Complete initial planning for a technical summit
   ▪ Summit to educate stakeholders on issues and begin implementing the framework.
   ▪ Create draft agenda, schedule, participant list, cost estimate/fee structure for summit
SCOWCT Proposal to NCHRP

Duration/Budget, Leveraging Current Activities

- Duration = 12 months
- Budget = $95,000

Leveraging Current Activities:
- In-place TWG structure and strategic planning completed to date
- Issued DOT survey - Collected needs/issues
- This 2016 SCOWCT Annual Meeting:
  - Review and adjust strategic priorities as needed
  - Begin generating research topics

_This work will be leveraged to “hit the ground running” if proposal is funded._