

AMERICAN ASSOCIATION
OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS

AASHTO

SCOWCT Strategic Direction Initiative

2016 SCOWCT Annual Meeting

AASHTO

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

Visit: <http://web.transportation.org/nchrp/20-7/> for more information about NCHRP 20-7.

SCOWCT Proposal to NCHRP

Research Need & Objective

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

SCOWCT Proposal to NCHRP

TASKS

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.