AASHTO SCOH
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SHRP II

• Targeted, short-term program of strategic highway research
• Four focus areas:
  – Highway Safety
  – Highway Renewal
  – Travel Time Reliability
  – Capacity
Funding and Duration

• $150 million (anticipated)
• Focus Area Research Allocations:
  – Safety: $43.2 million
  – Renewal: $28.8 million
  – Reliability: $18 million
  – Capacity: $18 million

• Total program duration of 7 years
State DOT Volunteers

• **Oversight Committee**
  – The Decision Makers
    • Chaired by Allen Biehler w/ 6 other senior DOT leaders

• **Technical Coordinating Committees**
  – The Technical Managers
    • Chairs: Randy Iwasaki (Renewal), John Conrad (Reliability), Neil Pedersen & Mary Lynn Tischer (Capacity), w/ 18 others

• **Expert Task Groups**
  – RFP Writers and Proposal Reviewers
    • 27 slots on First 11 ETGs filled by current State DOT staff members
Accomplishments since May 6

- 4 TCCs, and 11 ETGs established and met
- Oversight Committee Meeting
- First year program approved and submitted to FHWA
- First plan revision posted on website
- Safety Symposium in August
- First 12 RFPs released 9/11/06
- Second round of TCC meetings in October
- First proposals received 10/26/06
- Proposals sent to ETGs 10/27/06
Safety

• Goal: to prevent or reduce the severity of highway crashes by understanding driver behavior.

• Use of vehicle-based and site-based technologies to gather pre-crash, crash, and exposure data.
Safety: 1st Round RFPs

• Project S01: Development of Analysis Methods Using Recent Data
• Project S05: Design of the In-Vehicle Driving Behavior and Crash Risk Study
• Project S09: Site-Based Video System Design and Development
Renewal

• Goal: to renew aging infrastructure through rapid design and construction methods that cause minimal disruption and produce long-lived facilities.

• Integrated approach involving engineering, finance, contracting, planning, safety, maintenance, customer relations.
Renewal: 1\textsuperscript{st} Round RFPs

- Project \textbf{R01}: Utilities Location Technology Advancements
- Project \textbf{R15}: Strategies for Integrating the Priorities of Utilities and Transportation Agencies in Highway Renewal Projects
- Project \textbf{R06}: High-Speed, Non-Destructive Testing Procedures for Both Design Evaluation and Construction Inspection
- Project \textbf{R07}: Performance and Incentive-Based Specifications and Performance-Based Warranties
Reliability

• Goal: to regain and preserve travel-time reliability by reducing non-recurring incidents, and by improving management, response, and mitigation of those that do occur.

• Integrated approach involving data, analysis, institutional architectures, tools, and operational strategies.
Reliability: 1st Round RFPs

• Project L01: Identification and Analysis of Best Practices for Improving Travel Time Reliability

• Project L03: Analytic Procedures for Determining the Impacts of Reliability Improvement Strategies

• Project L06: Institutional Architectures for Implementation of Operational Strategies
Capacity

- Goal: to integrate mobility, economic, environmental, and community needs into the planning and design of new highway capacity.

- Systems approach involving fundamental knowledge, data, tools, institutional issues.
Capacity: 1st Round RFPs

• Project C01: A Framework for Collaborative Decision Making on Additions to Highway Capacity
• Project C02: A Systems-Based Performance Measurement Framework for Highway Capacity Decision Making
Schedule

• 2006:
  – November: ETGs review proposals
  – Nov. 29: Contractor selection Oversight Comm.
  – Dec. 15: Approved annual work program for 2007 submitted to FHWA

• 2007 (typical of future years):
  – Jan: Announce revisions to multi-year plan and 2007 work program at TRB Annual Meeting
  – RFP releases: March 13, July 30
  – Proposals due: May 3, September 18
  – Dec. 15: Approved annual work program submitted to FHWA