Strategic Highway Research Program II

Advancing highway system safety, design, and performance

AASHTO Standing Committee on Highways
May 6, 2006
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TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES
SHRP II Overview

• Focused, strategic research program
• Authorized by SAFETEA-LU
• Administered by TRB, in partnership with AASHTO, FHWA, and NHTSA
• Four Strategic Focus Areas:
  Safety    Reliability
  Renewal   Capacity
Safety

- Goal: to prevent or reduce the severity of highway crashes by understanding driver behavior.
- Use of vehicle-based and infrastructure-based technologies to gather pre-crash, crash, and exposure data.
Renewal

- Goal: to renew aging infrastructure through accelerated construction methods that cause minimal disruption and produce long-lived facilities.
- Integrated approach involving engineering, finance, contracting, planning, safety, maintenance, customer relations.
Reliability

• Goal: to improve travel time reliability through incident reduction, management, response, and mitigation.
• Integrated approach involving data, analysis, institutions, tools, and operational strategies.
Capacity

- **Goals:** to integrate mobility, economic, environmental, and community needs in planning and designing new transportation capacity.
- **Systems** approach involving fundamental knowledge, data, tools, institutional issues.
## Not Your Father’s SHRP

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Funding

- Authorized: $205 million over 4 years
- Current Expectation: ~ 150 million
- FY 2006: $36.2 million
- Funding in place as of March 24
Committee Structure

- **Oversight Committee**
  Overall responsibility for program

- **Technical Coordinating Committees**
  Program, budget, monitoring for each focus area

- **Expert Task Groups**
  RFP development, proposal review
Re-Scoping

- Need to fit original $450 million program to $150 million
- Oversight Committee January meeting
  - approved first set of reductions to ~$205M
- Additional re-scoping by Technical Coordinating Committees needed
Immediate Schedule

- By 6/30: TCCs develop Year 1 program
- On 7/19: OC approves program
- By 9/1: ETGs meet, RFPs advertised
- By 11/1: Proposals due
- By 12/15: TCCs and OC develop and approve Year 2 program
- January 2007-TRB: announce year 1 awards and year 2 program
Staff

- Anticipate 20-25 member staff at peak
- Advertised first 4: focus area leaders
- Additional hires in waves over next 18 months

Loaned staff:

SHRP II NEEDS YOU !!!!
State Coordinator Role

- Point of communication with state DOTs for results, reports, products, questions
- Recommend ETG members
- Coordinate state involvement: loaned staff, beta testing, etc.
- Coordinate with state research efforts
- Feedback to SHRP II
Communication

- Web site: www.TRB.org/SHRPII
- E-mail: SHRPII@nas.edu
- Quarterly reports
- TRB e-newsletter
- AASHTO committee meetings