

NCHRP Research Activities – Update

At the AASHTO Subcommittee on Asset Management's summer 2006 meeting nine research topics were selected to advance as candidate research problem statements under various NCHRP programs. Below is a brief description of each research topic and its current status.

- Identifying and selecting criteria to optimize the allocation of resources across asset classes (within a mode). Submit as a NCHRP project - \$350,000. Lead for problem statement development: Jeff Smith. ** This research problem statement has been submitted and is being considered for funding in the FY 2008 NCHRP –Problem Statement No. 2008-F-01.**
- Setting appropriate performance targets from a user's perspective for pavements and bridges. Submit as proposed task under NCHRP 20-7, the annual allocation for SCOH - \$100,000. Lead for problem statement development: Tim Gilchrist ** Neil Pedersen submitted this problem statement to SCOH at their Fall AASHTO committee meeting. The problem statement was not funded at SCOH's fall meeting.**
- Management of assets resulting from environmental mitigation and related commitments. Submit as task under NCHRP 25-25, the annual allocation for SCOE - \$100,000. Lead for problem statement development: Neil Pedersen. ** This problem statement was submitted with letters of endorsement from Maryland and Michigan, but was not selected for funding. SCOE rated the problem middle of the pack; a suggestion was made that if resubmitted with joint funding from SCOP that SCOE may fund the problem.**
- Asset Management as a part of a performance based planning and management system. Submit as task under NCHRP 8-36, the annual allocation for SCOP - \$75,000 to \$100,000. Lead for problem statement development: Mel Adams. ** This problem statement was originally submitted for funding consideration under NCHRP 8-36, but has evolved into a full NCHRP problem statement which was submitted by AASHTO SCOP and is being considered for funding in the FY 2008 NCHRP –Problem Statement No. 2008-B-30.**
- Implementing enterprise wide asset management decision-making tools and linkage to other management systems. Submit as a NCHRP project - \$300,000. Lead for problem statement development: Mike Bridges. ** This research problem statement has been submitted and is being considered for funding in the FY 2008 NCHRP –Problem Statement No. 2008-SP-01.**
- Quantifying the benefits of asset management (i.e. we are doing it to improve service levels and/or save money – how effective is asset management achieving these objectives?). Submit as a NCHRP project - \$300,000. Lead for problem statement development: Jeff Smith and Dave Geiger. ** This research problem statement has been submitted and is being considered for funding in the FY 2008 NCHRP –Problem Statement No. 2008-SP-02.**

- Development of key comparative performance measures among States for specific asset classes (e.g. pavements and bridges). Submit as a task under NCHRP 20-24 - \$100,000. Lead for problem statement development: Leonard Evans. ** This problem statement was discussed by the 20-24 panel at the Fall ASHTO meeting. Due to limited resources within 20-24 at that time it was decided to revisit funding this research problem at this year's Spring AASHTO meeting.*
- Asset Management approaches to American Disabilities Act (ADA) compliance, a sharing of best practices. Submit as a NCHRP 20-5 Synthesis project. Lead for problem statement development: Jeff Smith. ** This synthesis problem statement has been submitted and will be considered for funding later this year **
- Asset Management issues and performance specifications/levels with the long-term outsourcing and leasing of infrastructure – lessons learned. (To address the development of performance specifications for contracting and performance specifications at the end of the contract.) Submit as a NCHRP 20-5 Synthesis project. Lead for problem statement development: Cathy Nelson. ** This synthesis problem statement has been submitted and will be considered for funding later this year **

Other Asset Management Related Problem Statements Being Considered for Funding in FY 2008 NCHRP

- Problem No. 2008-B-09, “Integrating Individual Transportation System-Level performance Programs to Determine Network Performance”, submitted by: California.
- Problem No. 2008-B-31, “Setting Effective Performance Targets for Transportation Programs, Plans and Policy”, submitted by: AASHTO Standing Committee on Planning.
- Problem No. 2008-B-33, “Integrating Individual Transportation System-Level Performance Programs to Determine Network Performance”, submitted by: AASHTO Standing Committee on Planning. *Note: duplicate problem statement of 2008-B-09.*
- Problem No. 2008-B-35, “Update of the AASHTO Transportation asset Management Guide: Transportation asset Management Guide, Volume 2 – A Focus on Implementation”, submitted by: AASHTO Standing Committee on Planning.
- Problem No. 2008-F-02, “Development of National Level of service Criteria for the Interstate Highway System”, submitted by: AASHTO Subcommittee on Maintenance.
- Problem No. 2008-F-03, “Determining the Actual Cost of Performing Routine and Preventive maintenance operations on Highway Systems”, submitted by: AASHTO Subcommittee on Maintenance.
- Problem No. 2008-SP-03, “Setting Effective Performance Targets for Transportation Programs, Plans and Policy”, submitted by: AASHTO Standing Committee on Planning. *Note: duplicate problem statement of 2008-B-31.*
- Problem No. 2008-SP-06, “Developing Performance-Based Investment Programs and Data Systems”, submitted by: Minnesota. *Note: duplicate problem statement of 2008-B-30.*