

**Note: The follow is a Summary of the AASHTO Highway Subcommittee on Construction 2002 Task Force Work Plans. Those of you who are interested in getting involved in the development of a particular work plan activity are encouraged to contact those who are responsible for that activity or contact the task force chairman.**

## **Computers in Construction Task Force**

**Work Plan for 2002  
AASHTO SOC 8/9/01**

1. Computer based training – First step would be to do a survey to determine need and specific topic areas of need. Develop complete list of developed training that could be used by others with little modification and any other on-going efforts in the highway community on this area. Dexter Newman volunteered and will be assisted by George Raymond.
2. Continue to work on monitoring the development of hand held computers as they relate to construction administration. Robert Johnson will have the lead.
3. Continue to work on Web page for SOC. This Item was carried over from last year. Tucker Ferguson will help Claude Oie on this item. Will need one volunteer from other task forces of SOC to help develop web page. SOC web page will be tied to AASHTO. Need to consider functionality of web site
4. Construction Management Software – Provide information and leadership for SiteManager upgrades. Provide representative on the TransPort user group. Continue develop the materials module for TransPort. Task force will evaluate consultant findings on the materials module. Claude Oie will take the lead being assisted by Robert Johnson, Greg Schiess, Cliff Thomas, and Alan Campo

# Contract Administration Task Force

## Work Plan for 2002 AASHTO SOC 8/9/01

- 1) Work with FHWA to develop a procedure for further analysis of construction cost growth issues. Survey the State DOTs regarding cost growth on projects greater than \$10 million and report to the AASHTO Standing Committee on Highways in time for the December 2001 meeting (Williams –AZ, Jacoby-FHWA).
- 2) Update the Primer on Contracting for the 21<sup>st</sup> Century” (Yakowenko and Hakala)
  - a) Publish as an AASHTO document and post on the Subcommittee’s web site (Yakowenko-FHWA)
  - b) Include the innovative contracting technical special provisions from NCHRP 10-49 in the next edition of the "Primer on Contracting for the 21<sup>st</sup> Century".
- 3) Assist FHWA with the update and revisions necessary for certain Technical Advisories, including:
  - a. FHWA Technical Advisory TA T 5080.4, Preparing Engineer’s Estimates and Reviewing Bids (Volunteers: Gould -ILDOT, McLaury-FHWA-IL)
  - b. FHWA Technical Advisory TA T 5080.6, Guidelines on Contract Procedures with Emphasis on Bid Reviews and Evaluation (Bohuslav-TXDOT, McLaury-FHWA-IL)
  - c. FHWA Technical Advisory TA T 5080.10, Incentive/Disincentive (I/D) for Early Completion (Gendreau- ND, Angles-OH, Hundley – TXDOT, Lynwood-MIDOT)
  - d. FHWA Technical Advisory TA T 5080.15, Construction Contract Time Determination Procedures (Zoller- MNDOT, Boswell – TXDOT, Beaulieu – MDSHA)
  - e. Electronic bidding (new) (Skelnar- TXDOT, Rhinesmith- WisDOT, Nichols – TXDOT)
- 4) Support the Utah State University Technology Transfer Center Innovative Contracting web site ([www.ic.usu.edu](http://www.ic.usu.edu)) by encouraging other State DOTs to submit evaluations and experiences regarding innovative contracting techniques.
- 5) Distribute a questionnaire regarding problems associated with retainage issues in association with the implementation of the DBE regulations. (Bohuslav – TX, Yakowenko – FHWA)
- 6) Distribute a questionnaire regarding the procedures used by State DOTs in handling unsatisfactory performance (Gendreau – ND)
- 7) Support Construction Tidbits by supplying articles to Kevin Kliethermes, FHWA-MN ([Kevin.kliethermes@fhwa.dot.gov](mailto:Kevin.kliethermes@fhwa.dot.gov)).

# Environmental Task Force

**Work Plan for 2002  
AASHTO SOC 8/9/01**

## **1. Work plan item regarding Best Practices in Post Construction Reviews**

Workgroup: Art Gruhn (CT DOT) – Lead; Rob McCleary (Del DOT); Jim Tynan (NYSDOT); Jeff Lewis (FHWA-CA): The constructability review guidelines will be revised to include a chapter on post construction review best practices. The work group will collect information from the 5 states that have indicated they have written procedures and from them draft a guide of best practices. Art will send out the survey request on post-construction review best practices again to try to get additional responses. Jeff will send the survey out to the FHWA Divisions. The work group will collect written procedures from those states that have procedures and summarize best practices and assemble a draft guide.

## **2. Work Plan for Sedimentation and Erosion Control Best Practices**

Workgroup: Tim Bertram (IN DOT) – Lead; Bob Tinney (WVDOH); Mark Doctor (FHWA-TN): A revised survey will be developed and sent out to look for new ideas and new practices in erosion control. This effort will be coordinated with the new erosion control NHI training course.

## **3. Environmental State of Practice Workgroup**

Workgroup: Art Gruhn (CT DOT) – Lead; Manu Chacko (FHWA – IA): Task force members were asked to identify 2 environmental issue areas or questions of importance to their State and E-mail them to Art by September 30.

Examples like: How is your DOT enhancing cooperation with environmental resource agencies? Does your State DOT fund a position of an environmental person in another agency (State or Federal) to work on environmental project issues? How does your State handle the tracking of environmental commitments made for a project?

## **4. Potential topics for presentations at next year's meeting in Delaware.**

Context Sensitive Design (CSD); Environmental Leadership - a State perspective (possibly NC or KY); A design-build project case study/lessons learned from an environmental perspective; A State to talk about their post-construction review process; Best practices in tracking environmental commitments (possibly GA); Viewpoints from a resource agency (possibly Corps of Engineers - Philadelphia to talk about permitting issues on SR 1) on various topics or requirements, hints on how to best get them involved, and how to get them as advocates for the project

# Quality Task Force

## Work Plan for 2002 AASHTO SOC 8/9/01

- Customer Focus – State of the Practice. Survey the States about their efforts related to business owners and other citizens regarding impacts of construction (both on project site and off-site locations); **Action By:** Greg Xanders and Byron Coburn
- Implementation of Performance Specifications; **Action By:** Greg Xanders
- Creation of the “Quality Action Team” (QAT); **Action By:** Lee Onstott, Bill Hakala
- Finalization of the document “Major Types of Transportation Construction Specifications”; **Action By:** Greg Doyle
- Work Zone Quality Presentation; **Action By:** Anker Winther, Mike Marttila
- National Partnership for Highway Quality (NPHQ) Liaison activities – ongoing; **Action By:** Ken Stoneman
- Quality Task Force Web Site coordinator; **Action By:** Mike Seigfried
- Buy America Response; **Action By:** Ken Stoneman, Lee Onstott
- Construction Workmanship Training Course development (through NHI); **Action By:** Lee Onstott
- Impacts of Utilities in Construction – Best Practices; **Action By:** Ken Stoneman
- Performance Specifications coordination; **Action By:** Ken Stoneman
- Workforce Development; **Action By:** Chris Drda
- Streamlining of construction inspection - Risk assessment of inspection activities; **Action By:** Mike Marttila, Greg Xanders
- Liaison with Subcommittee on Materials; **Action By:** Kathy Petros

# Research Steering Committee

**Work Plan for 2002  
AASHTO SOC 8/9/01**

## Research Projects

Effectiveness and selection of appropriate sealers for concrete and high performance concrete structures and pavements

## Synthesis Projects

1. State of the practice on the use of private engineering firms in construction engineering and inspection
  - In addition to the objectives discussed at the Research Advisory Task Group meeting, add an objective to explore the cost effectiveness of using consultants and develop an evaluation process to be used for future selections
2. Best practices for construction claims resolution
3. Environmental responsibility of SHAs
  - Address long term liability
  - Include environmental steamlining, which is a part of an ongoing 20-7 series project.