AASHTOWare®
Projects on the Horizon

Standing Committee on Highways
Business Meeting

Branson, Missouri

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AASHTOWare Mission

AASHTOWare®
Transportation Software Solutions

To enable the development, management, and support of cost effective, quality technical solutions that meet the business requirements of AASHTO members
Key Benefits

• Pooled Resources
  Great economies of scale by sharing financial and human resources

• AASHTO-Administered contracts
  Services 100% out-sourced; AASHTO administers contracts with consultants for maintenance, support and enhancements; funded through annual fees; program fully self-supported

• Software built by DOTs for DOTs
  User led and managed through Task Forces and active product User Groups

• Standardized software, ready-to-use, yet with customizable features
  Based on AASHTO Standards and best practices with a goal of meeting common agency needs

• Software kept current with technology and functional requirements
Current Products

- Construction Lifecycle
  - Trnsˌport - Modular suite of products covering entire lifecycle of construction project contract management

- Bridges
  - Virtis - Bridge Analysis and Load Rating
  - Opis - Bridge Design and Analysis
  - Pontis - Bridge Management

- Roadway
  - DARWin - Pavement Design and Analysis
  - SDMS - Survey Data Collection
New Projects - Pavement

• DARWin-ME
  • Transfer of research software developed through NCHRP 1-37A and 1-40 to AASHTOWare
  • Will replace DARWin 3.1
  • Adoption of Mechanistic-Empirical Design method and the Interim Manual of Practice
  • MEPDG v1.0 research grade software supported by AASHTO in the interim, until enhanced release is available
  • Task Force met on April 22-23 to begin work on project proposal – look for solicitation by the end of June 2008.
New Projects - Right-of-Way

- “TurboRelocation”
  - Automated tool to assist DOT staff in the assessment and calculation of right-of-way relocation benefits in accordance with the Uniform Relocation Assistance Act
  - “TurboTax-like” application that will include a tutorial-like interface to the required calculations
- Project solicitation almost complete
  - 10 states have returned commitment forms
  - Anticipate a total of 12 states to participate
  - Responses requested by May 15, 2008
New Projects - Asset Management

- **AssetManager Phase II**
  - Originally developed under NCHRP 20-57, transferred to AASHTO
    - Network Asset Analyzer (Asset Manager NT)
    - Program Tradeoff Tool (Asset Manager PT)
  - Phase 1 AASHTOWare project focused on establishing community of early adopters and identification of enhancements for next release
  - The AssetManager Task Force developing project proposal for Phase 2 effort – look for it Summer 2008
New Projects - Trns·port

- Next Generation Trns·port
  - web Trns·port re-write
    - Preconstruction
    - Civil Rights and Labor Management System
    - Materials Management Enhancements
  - Construction
  - Estimation
New Projects - Bridge Management

- Pontis 5.X
  - web-based version – built upon Microsoft’s .NET multi-tiered technical architecture
  - Add support for additional asset types, and improved functionality for bridge-level analysis, and other enhancements
  - Increased integration of all BRIDGECare products
  - Look for release of Pontis 5.1 August 2008
On the Horizon - Environment

- Environment Information Management and Decision Support System (EIM / DSS)
  - Based on NCHRP 25-23(2)
  - Addresses environmental decision making throughout the transportation system management process
  - Five representatives from SCOE have agreed to assist in developing a project proposal
  - Look for solicitation by the 3rd Quarter FY09
On the Horizon - Safety

- SafetyAnalyst
  - Developed under the Highway Safety Improvement Program through a cooperative effort of FHWA and twenty-four state highway agencies:
    - Analytical tool for use in the decision-making process to identify and manage a system wide program of site-specific improvements to enhance highway safety
    - Continuing as an FHWA pooled-fund study thru June 2009
    - Ultimate goal to hand-off to AASHTOWare Program for long-term support and maintenance
Need More Information?

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