

**SOUTHEASTERN TRANSPORTATION CONSORTIUM**  
**2014 MEETING MINUTES**  
**October 20-23, 2014**

The annual meeting of the Southeastern Transportation Consortium (STC) meeting was held in Morgantown, WV on October 20-23, 2014. The meeting was hosted by West Virginia DOT on the University of West Virginia Campus. The member states were represented as follows:

<u>NAMES</u>	<u>STATE</u>
Mark Morvant (chair)	LOUISIANA
Michelle Owens	ALABAMA
Sarah Tamayo	ARKANSAS
Steven Bolyard	FLORIDA
David Jared	GEORGIA
Clark Graves	KENTUCKY
Cindy Smith	MISSISSIPPI
Neil Mastin	NORTH CAROLINA
Terry Swygert	SOUTH CAROLINA
Donald Williams	WEST VIRGINIA
Not represented	TENNESSEE
Not represented	VIRGINIA

Meeting attendees also included the following as schedules allowed or as input was needed for specific session topics.

Mike Pumphrey	West Virginia DOT
Jennifer Wentz	West Virginia DOT

Invited presenters to the meeting were:

David Merritt	The Transtec Group
Sherif Ishak	Louisiana State University
James Gibson	Kentucky Transportation Center
Mostafa Elseifi	Louisiana State University
GangaRao Hota	University of West Virginia

Invited presenters by teleconference (go-to-meeting format) were:

Louay Mohammad	Louisiana Transportation Research Center
Darryl Dockstader	Florida Department of Transportation
Wesley Zech	Auburn University

Additional presenters on University of West Virginia tour were:

Karl Barth	University of West Virginia
John Zaniwski	University of West Virginia

The meeting began on Tuesday, October 20<sup>th</sup> and ended at noon on Thursday, October 23<sup>rd</sup>. The program agenda is attached. The following is a summary of discussions, decisions and action items.

**Session 1: Introduction & Review of Meeting Goals**

- The current STC pooled fund end date is August 31, 2015.
- The STC budget and expenditures were reviewed. Attached is a copy of the budget expenditure spreadsheet for September 2014. A summary of finances is noted below:

Total STC membership funding commitments:	\$305,000.00
Total STC budget obligations under contract:	<u>\$283,648.82</u>
Uncommitted balance:	\$ 21,351.18

Total funds received by Louisiana from state transfers:	\$260,000.00
Total expenditures to date (Sept 2014)	<u>\$220,825.58</u>
Funds received – Expenditures	<b>(\$ 39,175.42)</b>

Remaining funds to be transferred to Louisiana this Fiscal Year: \$ 45,000.00

- It is noted that Tennessee has not committed beyond the original three year obligation of the STC. Tennessee to inform the STC as to a decision to remain as a member pending.
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- Quarterly Report was reviewed (attached). The following final reports have been posted on the STC website.
  - ***BEST PRACTICES FOR DETERMINING VALUE OF RESEARCH RESULTS***
  - ***ASPHALT SURFACE TREATMENTS FOR PAVEMENT PRESERVATION***
  - ***WATER QUALITY MANAGEMENT AT CONSTRUCTION SITES***
  - ***REGIONAL IMPLEMENTATION OF WARM MIX ASPHALT***

**Action Item:** All members with a remaining balance are to transfer funds to Louisiana this fiscal year to complete funding allocations for this three year cycle as follows.

<i>Arkansas:</i>	<i>\$15,000</i>
<i>Florida:</i>	<i>\$ 5,000</i>
<i>Georgia:</i>	<i>\$10,000</i>
<i>Kentucky:</i>	<i>\$10,000</i>
<i>Virginia:</i>	<u><i>\$ 5,000</i></u>
	<i>\$45,000</i>

**Session 2: Synthesis Project Reports**

- ***14-IPF- Best Practices for Achieving and Measuring Pavement Smoothness***
  - David Merritt, The Transtec Group, presented the findings from this project. Presentation to be posted on the STC website.
    - Project Start Date: 1/2/14 Project End Date: 1/1/15
    - Project Status: Draft final report submitted to TAC for review
    - Suggestions for further work included:
      - Additional research to standardize a local roughness index
      - Additional evaluation on the return on investments for including smoothness incentives for rideability.

- **14-2PF Real-Time Driver Information for Congestion Management**
  - Sherif Ishak, Louisiana State University presented the findings from this project. Presentation to be posted on the STC website.
    - Project Start Date: 12/1/13 Project End Date: 11/30/14
    - Project Status: Draft final report submitted to TAC for review
    - Suggestions for further work:
      - Additional study is needed for determining driver behavior for delivery and reaction to real time information. A potential tool for this work could be in a driving simulator.
- **14-3PF- Transportation Funding Alternatives Now and in the Future**
  - James Gibson, Kentucky Transportation Center presented the findings from this project. Presentation to be posted on the STC website.
    - Project Start Date: 1/2/13 Project End Date: 1/1/15
    - Project Status: Draft report due in November
    - Suggestions for further work:
      - Development of a marketing brochure to highlight findings
- **14-4 PF Reflective Cracking Mitigation Strategies for Cracked Pavements**
  - Mostafa Elseifi, Louisiana State University presented the findings from this project. Presentation to be posted on the STC website.
    - Project Start Date: 10/15/13
    - Project Status: Draft final report being revised to include TAC comments
    - Suggestions for further work:
      - Development of a guideline manual to provide state DOT's an evaluation matrix for selection of crack mitigation options based on cost benefit analysis.

### **Session 3: Collaboration Opportunities: External Pooled Fund Efforts**

- **Design and Analysis Procedures for Asphalt Mixtures Containing High RAP Contents and/or RAS** – Louay Mohammad, Louisiana Transportation Research Center
  - Originally endorsed by the STC membership in 2010
  - Louisiana is lead state for this project already posted
  - State commitments from Florida and Colorado
  - LTRC to conduct the research
  - Soliciting additional states to cover cost of the project
  - Attached is a summary sheet of the project
  - Action items:
    - Presentation to be sent to members
    - Several members to follow up with technical experts in their states to reconsider joining the pooled fund project.
- **Erosion and Sediment Control Testing Facility** – Wesley Zech Auburn University
  - New pooled fund proposal from Alabama DOT as lead state
  - Auburn University to conduct work
  - Attached is summary document of the pooled fund effort
  - Action Items:

- Interested members to provide Michelle with technical contacts from state DOT to obtain further information
- **Durability Evaluation and Design Considerations of FRP Composites for Infrastructure Applications** – GangaRao Hota, University of West Virginia
  - New Pooled fund proposal from Louisiana as lead state
  - University of West Virginia to conduct the research
  - Attached is summary document of the pooled fund effort
  - Action Items:
    - Interested members to provide Mark with technical contacts from state DOT to schedule a webinar for further disseminate information.
- **Roadway Departure Safety Information Clearinghouse** – Neil Mastin, North Carolina
  - New pooled fund proposal from North Carolina as lead state
  - Texas Transportation Institute to conduct research
  - Attached is the summary document of the pooled fund effort
  - Action Items:
    - Interested members to provide Neil with technical contacts from state DOT interested in obtaining further information

#### **Session 4: STC Project Priority**

- **Membership reviewed the voting priority of topics suggested for synthesis projects.**
  - Attached is the final voting priority from the membership
  - The project topics were ranked as follows:
    1. Comparison of Granulated vs. Hydrated Lime for Treatment of In-Situ Soils
    2. Develop a Guiding Document on How to Determine the Potential Benefit Cost of a Research Project
    3. Implementation of Intelligent Compaction Technology
    4. Drone Usage for Traffic Data Collection and Reporting
    5. Performance measures for intermodal transportation systems
    6. Comparison of Functionality and Durability of Pervious Friction Courses
    7. A review of laws that would be required to allow automated vehicles to be used in each state
    8. Driven Pile Vibration Monitoring
    9. Use of materials to control dust on non-paved roads
    10. Disadvantaged Business Enterprise (DBE) Utilization Techniques and Practices in Alternative Delivery
- **Project Priority**
  - Membership voted to fund the number two ranked topic, *Develop a Guiding Document on How to Determine the Potential Benefit Cost of a Research Project* as a full research project. To accomplish this, the membership voted 8-1 to increase its contribution to the STC for the next three year cycle from \$5,000 to \$10,000.
  - The follow members volunteered to be on the Technical Advisory Committee:
    - Donny Williams (Chair)
    - Cindy Smith
    - Michelle Owens

- Terry Swygert
- Neil Mastin
- Steve Bolyard
- Kirk Zeringue, with LTRC, will be the project manager. The project will begin this fiscal year upon authorization of an additional three years and commitments from members states.
- **Synthesis Projects**
  - The next round of synthesis projects will not be advertised until the FY 15-16. LTRC will include the top two synthesis topics in its 2015-16 Work Program.

#### **Session 5: WVU Engineering Lab Tour**

- The membership was given a tour of the WVU Engineering Laboratories. The tours were conducted by the following faculty members:
  - Dr. GangaRao Hota, Structures Lab
  - Dr. Karl Barth, Structures Lab
  - Dr. John Zaniewski, Asphalt Lab
- Dr. John Zaniewski gave a presentation on the cooperative agreement between the UWV and WVDOT in support of Asphalt research and technologies.

#### **Session 6: STC Business and Budget Plan**

- Membership voted to extend the STC pooled fund consortium for an additional three years through August 31, 2018.
- STC budget will include funding for the solicitation to conduct research for the *Development of a Guiding Document on How to Determine the Potential Benefit Cost of a Research Project* with an estimated allocation of \$100,000.
- It is anticipated that the FY 2015-16 will include two synthesis projects awarded.
- The synthesis priority rankings will be revisited as necessary prior to advertising additional work.
- West Virginia was commended for its hosting and support of the 2014 STC Meeting.
- The anticipated date of the next consortium meeting will be April 2016 pending completion of the above research project.
- Membership voted to continue rotating the meeting location among member states with next location to be determined.

#### **Session 7: Development of Scope for research project**

- Donny Williams led the discussion on scoping the work for the research project: *Development of a Guiding Document on How to Determine the Potential Benefit Cost of a Research Project*
- Deliverable: Guideline document which outlines recommendations on data needed to evaluate projects, how to calculate B/C, and worked examples of actual projects. There will possibly be training as well. The initial scoping included the following tasks:

Task 1: Literature Search

- Task 2: RAC Survey—Send a survey through AASHTO RAC to identify projects with B/C ratios calculated, either in the High-Value projects, or in each state.
- Task 3: Interim report—Based on data found so far, identify gaps and good examples to work from. Provide work plan for the remainder of the project.
- Task 4: Compilation and analysis of results—This task involves categorization of types of projects and measures that would apply to each project type. (Example, safety, cost savings, infrastructure, specifications, maintenance, lessons learned, etc.)
- Task 5: Develop guidelines
- Task 6: Present findings.
- Task 7: Final report.
- Task 8: Develop and present training webinar.

### **Session 8: State Update Reports**

- Each member state gave a 5-10 minute update on the its research program.

### **Meeting adjourned**