

INSTITUTE OF TRANSPORTION ENGINEERS

Section Annual Report for ITE's Tennessee Section (TSITE)



TENNESSEE SECTION INSTITUTE OF TRANSPORTATION ENGINEERS

January 1, 2009 – December 31, 2009

2009 Board of Directors

President: Kevin Cole, P.E.
Vice President: Chris Kirby, P.E.
Audit: Kevin Cole, P.E.
Secretary/Treasurer: Chris Rhodes, P.E.
Affiliate Director: Dan Vincent
Past President: Stephen Meyer, P.E.

Section Representatives:

Becky Bottoms, P.E. ('09-'10)
Jeff Hammond, P.E. ('08-'09)

2009 Committee Chairs

Career Development: Stephanie Hargrove
Legislative: Steve Allen
Membership: Steve Bryant, P.E.
Nominations: Stephen Meyer, P.E.
Scholarship: Stephen Meyer, P.E.
Scholarship Challenge: Greg Judy, PE
Awards: Stephen Meyer, P.E.
Technical: Steve Bryant, P.E.
Section Relations:
Website - Jeff Hammond
Newsletter – Gerald Bolden

Membership

TSITE actively promotes full membership in ITE (over 90% of total membership are International members). The Section continued to utilize a custom-made Affiliate membership pamphlet it created to attract additional members.

TOTAL MEMBERSHIP: 396

Number	Membership Grade	Annual Dues
14	Fellow Life	\$0
23	Fellow	\$15
5	Member Life	\$0
238	Member	\$15
0	Honorary	\$0
6	Esteemed Colleague	\$15
31	Institute Affiliate	\$15
79	Student Member	\$15

Membership Facts:

396 total members.

154 (39%) are consultants.
127 (32%) are government employees.
79 (20%) are students.
17 (4%) are educators.
16 (4%) are vendors.
3 (1%) are retired.
19 (5%) are ITE Life members.

Financial

TSITE's Federal Employer Identification Number is 33-1015132. The organization is not classified as a *non-profit*.

Balance of funds on hand January 1, 2009: **\$8,946.50**

Income for Year 2009:

Membership Dues:	\$3,003.00
Affiliate Dues:	\$270.00
Meeting income:	\$4,075.00
ITE Voucher Reimbursement:	\$648.00
Investment income:	\$0
Advertising income:	\$0
District reimbursement:	\$204.06
Scholarship income:	\$5,082.00

Total 2009 Income: \$13,282.06

Expenditures for Year 2009:

Printing/Postage/Supplies:	\$882.12
Stop Payment Charges:	\$36.00
Meetings:	\$5,939.77
Special projects:	\$0
Awards:	\$1,085.40 (student paper & member awards)
Scholarship fund:	\$5,082.00 (transfer from checking to fund)
Webinars:	\$2,249.00
Univ. of Memphis E-Day Donation:	\$200.00
SDITE Scholarship Bowl:	\$204.06
Student Reimbursements:	\$274.79

Total 2009 Expenditures: \$15,953.14

Net 2009 Income (Expense): \$(2,671.08)

Balance of funds on hand December 31, 2009: **\$6,275.42**

There was no change in the Section Bylaws in 2009.

We are proud of our Section's ability to maintain among the lowest dues in the District (\$15) while keeping the average 1-day meeting registration cost at \$25 and ever-increasing our technical education seminars to our members. You will also notice our continued emphasis on student scholarship fundraising through our annual auction. Student registration for all meetings remains free, and some student travel/accommodations costs are also provided at no charge to the students.

Technical Activities

Tennessee Section of ITE feels the foundation of our organization centers around its technical initiatives. We have strived to increase these opportunities to our members. The root of our organization's technical activity is found in four quarterly meetings held throughout the state. In addition, we have significantly advanced our technical offerings by instituting a *Technical Webinar Program* and partnering with others to sponsor technical education opportunities.

The TSITE Technical Committee under the leadership of Steve Bryan has been very active this year. They had seven (7) meetings during the year and made considerable progress with their technical agenda. **Task #1** was to distribute the "DID YOU KNOW" TIS Recommended Practices for Smaller Communities flyer. The flyer was distributed to the membership and sent to the Tennessee Municipal League and the Tennessee Counties Association. **Task #2** was to research and document what it would take for TSITE to host a Professional Development Day (PDD). Currently, TSITE hosts four technical meetings each year, which typically involve a business meeting and several presentations of recent projects conducted by member firms from across the state. Typically, between four and six Professional Development Hour (PDH) credits are offered to attendees at each meeting.



The PDD would supplement the current technical meetings, and provide TSITE members with an opportunity to learn, via interactive presentations, specifics of new technologies or methodologies in the transportation field, including traffic engineering, traffic signal operations, transportation planning, highway safety, and soft skills. Presentation of the new material would be such that a member could apply the technology or methodology to their own project following the meeting. PDD attendees would also receive PDH credits.

A full discussion of these activities is included in the Appendix.

In summation, the following lists the significant technical initiatives and activities completed by TSITE in 2009:

Section Meeting Technical Presentations

Winter Meeting (Nashville)

- *"Transportation Education: What Everyone Needs to Know (but... No Test afterwards!)"* – Dr. Robert Stammer, PhD, PE, of Vanderbilt University
- *"PEEK Video IQ – Video Detection Systems"* – Ron Featherson of PEEK Traffic Solutions
- *The Role of the Transportation Planning Report in Local Program Projects* – Steve Allen of the Tennessee Department of Transportation Planning division
- *MTSU Traffic Parking Master Plan* – Daniel Spann with RPM Traffic

Spring Meeting (Johnson City)

- *BG Ballpark Transportation Study* – Karen Mohammadi of GSP & Amy Scott of BRADD
- *Knoxville Transit Center Study* – Dawn-Michelle Foster & Rajit Ramkumar of WSA
- *Street Connectivity Model Ordinance* – Brent Sweger of KYTC

- *Getting Around Downtown: Antique Street Cars to Light Rail in Memphis TN* – Ben Ledsinger of SSR

Summer Meeting (Montgomery Bell State Park, Nashville)

- *Tracking Large trucks in Real-Time with License Plate Recognition and Text-Mining Techniques* – Francisco M. Oliveira-Neto, student at University of TN Knoxville.
- *Safe Routes to School Evaluation of Hanley Elementary School, Memphis, TN* – Michael Lamport, student at University of Memphis.
- *TSITE Technical Committee Status Report* – Sean Coleman, EIT of Kimley-Horn and Associates, Inc.
- *Retiring the Barton Avenue Reversible Lane System – Issues and Opportunities* – John Van Winkle, PE of the City of Chattanooga.
- *SDITE Leadership Program Overview* – Richard Atkins, PE of Triad Transportation Partners and Bill Seymour, PE of HDR Engineering, Inc.
- *Downtown Streetscape Improvements Project* – City of Gallatin, TN – David Coode, RLA, AICP and Zac Dufour, PE of Kimley-Horn and Associates, Inc.
- *SDITE Leadership Module Session* – Richard Atkins, PE of Triad Transportation Partners and Bill Seymour, PE of HDR Engineering, Inc.

Fall Meeting (Joint Meeting with the Alabama Section ITE in Chattanooga)

- *Engineering Outreach Activities at the University of Memphis: Strategies, Challenges, and Lessons Learned* – Stephanie S. Ivey, Ph.D., University of Memphis.
- *Dubai Metro Study* – Hollis Loveday, PE and John F. Gould, PE of Wilbur Smith Associates
- *Memphis Trolley Presentation* – John Lancaster, MATA Senior Planner.
- *Memphis Trolley Tour* – John Lancaster, MATA Senior Planner.

2009 TSITE Webinar Program

In its second full year, TSITE continued this educational program for its members and friends. These functions allowed attendees to take part in webinar sessions from ITE, ASCE and NSPE at no charge. TSITE members opened their facilities and often provided free lunches for all in attendance.

Reducing Collisions at High Crash Locations Webinar (ITE)

Date: 3/06/09

Site Locations (2): Chattanooga and Memphis Total Attendees: 31

Signal Timing Fundamentals Series Webinar (ITE)

Date: 5/05/09

Site Locations (2): Knoxville and Nashville Total Attendees: 23

Road Safety Audit Principals and Practices Webinar (ITE)

Date: 5/27/09

Site Locations (2): Knoxville and Nashville Total Attendees: 21

Effectively Communicating Engineering Careers Webinar (WGBH and NSPE)

Date: 6/11/09

Site Locations: Individual Web-based sites Total Attendees: unknown

Design Considerations for Local and Collector Streets Webinar (ITE)

Date: 7/07/09

Site Locations (2): Chattanooga and Johnson City Total Attendees: 18

Road Diet Handbook: Setting Trends for Livable Streets Webinar (ITE)

Date: 9/30/09

Site Locations (2): Knoxville and Memphis Total Attendees: 23

Attendance at all Meetings: 116* (Does not include June 11th web-based.)

Legislative Activities

This year's TSITE Legislative Committee includes the following.

TDOT was working heavily on funding of roadways across the state.

Tennessee Lawmakers reviewed and considered restrictions on Red Light Camera Installation.

Next year the legislature will be considering possibly implementing restrictions and funding directives for Red Light Running Camera installations and operations.

Meetings

TSITE 's four regular quarterly meetings are a staple of our membership's technical activity. In addition, four local areas (Memphis, Nashville, Knoxville and Chattanooga) hold monthly breakfast or lunch gatherings. Overall, there were more than 52 opportunities and occasions for TSITE members to come together at state or local functions (not including webinars, workshops or joint meetings with other organizations). The President, Kevin Cole, continued to work with the four "Local Champions" encourage more TSITE members to participate in TSITE meetings: Patrick Smith in Memphis, Sean Coleman in Nashville, John Van Winkle in Chattanooga, and Cindy Pionke in Knoxville. The Tri-cities area of upper east Tennessee is developing such meeting opportunities. This effort is headed up by the young engineer Jason Carder in the Tri-cities area.

Meeting: TSITE Winter Meeting

Date: February 26, 2009 Location: University Club, Vanderbilt University, Nashville, TN

Purpose - TSITE's annual Winter Meeting:

- Technical sessions
- Held in conjunction with a student chapter
- Business meeting
- Student chapter introduction/interaction

Technical Component: 4 technical sessions (see Technical Activities section)

Attendance: **77** TSITE members and students

Meeting: TSITE Spring Meeting

Date: June 4-5, 2009

Location: Holiday Inn, Bowling Green, KY

Purpose – TSITE's annual Spring Meeting and Joint meeting with KYSITE:

- Golf Social
- Dinner Social
- Baseball Game Social
- Technical sessions
- Business meeting

Technical Component: 4 technical sessions (see Technical Activities section)

Attendance: **36** TSITE and **11** KYSITE members

Meeting: TSITE Summer Meeting

Date: July 30-31, 2009

Location: Montgomery Bell State Park, Burns, TN

Purpose - TSITE's annual Summer Meeting:

- Technical sessions
- Southern District Leadership Module Workshop
- Auction for scholarship fundraising
- Tallying and Results of annual Board elections
- Award of student paper winners, scholarships and student chapter award
- Student paper winners present their paper

Technical Component: 7 technical sessions including student paper winners (see Technical section)

Attendance: **65** TSITE members, students, and guests

Meeting: TSITE Fall Meeting

Date: October 15, 2009

Location: Holiday Inn Select, Downtown Memphis, TN

Purpose - TSITE's annual Fall Meeting:

- Dinner social
- Technical sessions
- Business meeting
- Technical trolley tour
- Presentation of annual Section Awards
- Oath of Office for newly elected Board

Technical Component: 3 technical sessions (see Technical Activities section)

Attendance: **42** TSITE members and students

Student Activities

The four Student Chapters (University of Memphis, Vanderbilt University, Tennessee Tech University, and the University of Tennessee-Knoxville) continued to be a source of pride for TSITE in 2009. Thanks to dedicated faculty advisors, TSITE's Career Development Committee, individual chapter liaisons, and most importantly the enthusiasm of the students themselves, great accomplishments have been made on our campuses. To increase student participation next year, the TSITE increased the scholarship amount from \$1,500 to \$2,000 and increased the number of scholarships from three (3) to four (4). The Student Paper Awards were also increased from \$250 and \$100 to \$500 and \$250 for first and second place, respectively.

The following highlights some of their notable activities:

William H. Temple Scholarship Challenge

Three (3) University of Tennessee students represented TSITE at the annual Southern District event in Birmingham, AL.

TSITE Provides Free Registration/Meal at all Section Meetings – Students from Memphis, Vanderbilt and University of Tennessee took advantage of this at this year's section meetings.

Transportation Research Board Annual Conference – The University of Tennessee Chapter of twenty-two students attended the 89th Annual Meeting of TRB in Washington, D.C. from January 10-14, 2010 with financial assistance from the Southeastern Transportation Center (STC), Center for Transportation Research (CTR) and Civil Engineering Department Professors.

Regular Monthly Student Chapter Meetings – University of Memphis and University of Tennessee conducted regular monthly meetings with technical speakers through 2009.

Student Field Trips – The University of Memphis Student Chapter visited the TDOT Smartway Center to attend a presentation by Mr. Greg Dotson and tour the system control room.

University of Tennessee Engineering Day – On Tuesday, October 29, 2009, the Student Chapter setup and operated a transportation engineering display for UT Engineering Day. This program is for graduating high school seniors, who toured various UT Engineering facilities and learn more about various engineering professions. The purpose was to have high school students interact with UT engineering students and professors.

University of Memphis Engineering Day – On Friday, November 20, 2009, the Student Chapter developed a transportation competition for high school and middle school students. The objectives of the competition were to minimize the build time of the vehicle and to deliver the most packages in a given amount of time. The model vehicles were constructed with K’NEX Forces, Energy, and Motion kits. The first place winners were teams from East High School and White Station Middle School.

Community Involvement –The University of Memphis Student Chapter participated in an outreach effort to Campus School 6th graders to educate them about responsibilities of transportation engineers. The University of Memphis Student Chapter supported the younger member group of the West Tennessee Branch of ASCE in their Construction competition for Memphis area high school students by acting as mentors and assisting as competition guides.

TSITE Speakers List – TSITE maintains a volunteer speaker list for all its student chapters. The list currently includes over 20 individuals that have agreed to travel to student chapter meetings to serve as speakers.

Student Chapter Liaisons – In addition to faculty advisors, TSITE has assigned an individual to each student chapter to help promote communication and interaction.

Student Paper Competition – Students from University of Memphis and University of Tennessee submitted technical papers for this competition. The winners are shown in the next section.

Outstanding Student Chapter Competition – Chapters at University of Memphis, University of Tennessee and Vanderbilt University submitted chapter reports for consideration. The winning chapter is shown in the next section.

2009 University of Tennessee McClure Scholarship was presented to Langford Brian Casey.

2009 University of Tennessee McClure Scholarship was presented to Shuguang Ji.

The University of Memphis student chapter was recently awarded a \$1,000 grant from International ITE for a project to collect relevant trip and parking generation data. The U of M chapter was one of only five student chapters selected for this award. Several TSITE members - Stephanie Ivey, Martin Lipinski, Greg Dotson and Stephen Mosher - helped the students complete the proposal and grant application, and will provide ongoing assistance throughout the project. The data collection effort has been incorporated into the students' course work and will be completed this spring.

Section Awards

Volunteer Distinguished Service Award (Plaque): Presented to an individual who, over a period of years, has contributed outstandingly to the advancement of the transportation profession both at the Tennessee Section and at District 5 levels.

2009 Recipient: **Steve Bryan, PE** – Long Engineering, Inc.

Tennessee Outstanding Individual Award (Plaque): Presented to an individual who, over the previous year, has contributed significantly to the advancement of the transportation profession and at both the Tennessee Section and Southern District (District 5) levels.

2009 Recipient: **Steve Allen** – Tennessee Department of Transportation Planning Division

Jack B. Humphreys Young Member Award (Plaque): Presented to an individual who, is 35 years of age or less and, over a period of 1 year, has contributed outstandingly to the advancement of the transportation profession in the Tennessee Section and District 5.

2009 Recipient: **Sean Coleman, EIT** – Kimley-Horn and Associates

Student Awards

William L. Moore, Jr. Student Scholarship (\$2,000 Scholarship and Plaque): Awarded to engineering or planning student enrolled at a university within the state of Tennessee and who has demonstrated a strong commitment to the transportation profession.

2009 Recipient: **Airton G. Kohls** (University of Tennessee)

T. Darcy Sullivan Student Scholarship (\$2,000 Scholarship and Plaque): Awarded to engineering or planning student enrolled at a university within the state of Tennessee and who has demonstrated a strong commitment to the transportation profession.

2009 Recipient: **Navid Jafari** (University of Memphis)

Undergraduate Student Scholarship (\$2,000 Scholarship and Plaque): Awarded to engineering or planning student enrolled at a university within the state of Tennessee and who has demonstrated a strong commitment to the transportation profession.

2009 Recipient: **Ryan Overton** (University of Tennessee)

TSITE Student Paper First Place Award (\$500 and Certificate): Recognition of the best student paper submitted in the Tennessee Section competition.

2009 Recipient: **Francisco M. Oliveira-Neto** (University of Tennessee)
“Tracking Large trucks in Real-Time with License Plate Recognition and Text-Mining Techniques”

TSITE Student Paper Second Place Award (\$250 and Certificate): Recognition of the second best student paper submitted in the Tennessee Section competition.

2009 Recipient: **Michael Lamport** (University of Memphis)
“Safe Routes to School Evaluation of Hanley Elementary School, Memphis, TN”

Robert Stammer Student Chapter Award (Plaque and Participation in District Traffic Bowl Challenge): Presented to a Student Chapter who, for the school year, has contributed outstandingly to the advancement of the transportation profession in the Tennessee Section.

2009 Recipient: **University of Memphis**

END OF SECTION ANNUAL REPORT FORM

Summary of Additional Section Activities (3-page limit)

Our **TSITE website**, www.tsite.org, continues to be an excellent portal for information concerning the Section with information continuing to be updated and added.

2009 was the third year of the **ITS America Chapter** in Tennessee: **ITS-TN**. Many of ITS-TN's founding officers and members are also TSITE members: Past Presidents - David Stansell (Stansell Electric) and Carl Baughman (City of Franklin), President - Marshall Elizer, Jr. (GS&P), Membership Committee Chair – Jonathan Cleghon (Nashville Metro). The organization's third annual meeting was held in Knoxville on Oct. 7th – 9th, 2009. The officers for 2010 are: President Marshall Elizer of Gresham Smith, Vice President Ali Farhangi of TDOT, Treasurer Rich Phillips of R. G. Phillips Consulting and Secretary William Dennard of PBS&J.

TSITE was happy to **renew and add** to the number of organizations that provide **sponsorship funding** to the Section. The funds are used in support of the Section's effort to allow students to attend Section meetings at no cost and the lodging costs for award winners at our summer meeting.

Other Notable Individual Member Activities

The Tennessee Section is proud of the accomplishments of its individual members in their technical and leadership pursuits. This year our members upheld a longstanding tradition of being active in the profession, with other organizations, and in their communities.

Every year TSITE asks its members to complete an activity survey to make us aware of their activities over the previous year. Highlights from the 2009 survey are as follows:

Leadership positions held in various professional organizations:

- Officer – SDITE International Director, Bob Stammer, Jr., Ph.D., P.E.
- Chair - SDITE Publications Committee, Jeff Hammond, P.E.
- Chair - SDITE Strategic Planning – Information, Communications and Outreach Team, John Van Winkle, P.E.
- Board - American Society of Highway Engineers (TN), Jon Storey, P.E.
- President - ITS-TN, Marshall Elizer, P.E.
- Board – ITS-TN Board of Director – Steve Meyer, P.E.
- Chair – ITS-TN Membership Committee – Jonathan Cleghon, P.E.
- President Elect – Memphis Chapter of TSPE – Patrick Smith, P.E.
- Chair – ACEC Transportation Committee – Daniel Spann, P.E.
- Chair – SDITE Education/Student Chapter Committee, Dyan Damron, P.E.
- Chair – TN Safety and Health Council, Inc. – Greg Lane
- Chair – ITE Education Council Executive Committee – Dr. Martin Lipinski, PhD.
- Chair – ITE Freight Mobility Council Executive Committee – Dr. Martin Lipinski, PhD.
- Advisory – TTAP Committee Member – Steve Meyer, P.E.

Membership in and Attendance at the following technical activities:

- APWA Chapter meetings
- ITS Tennessee
- American Society of Highway Engineers (ASHE) sessions/meetings
- TRB Annual Conference
- Tennessee Transportation Assistance Program (TTAP) workshops
- AASHTO/SASHTO
- Various ITE webinars
- American Planning Association – Tennessee Chapter
- ASCE Web Seminars
- Tennessee ASCE Meetings
- “Engineers Day on the [Capitol] Hill” in Nashville
- Society of Women Engineers
- American Society of Highway Engineers
- SDITE Board Meetings
- SDITE Annual Meeting
- APWA technical meetings

TENNESSEE SECTION 2009 ANNUAL REPORT

APPENDIX

Attachments Include:

Technical Committee Report (14 pages)

Sample Professional Day Agenda (5 pages)

Student Chapter Annual Reports

- University of Tennessee (8 pages)
- University of Memphis (15 pages)