

Fall 2010

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2010/2011 ITE Meetings

INTERNATIONAL ITE

Technical Conference and Exhibit

April 3—6, 2011

Lake Buena Vista, FL

Annual Meeting and Exhibit

August 13—16, 2011

St. Louis, MO

SOUTHERN DISTRICT ITE

Annual Meeting

April 10—13, 2011

Lafayette, LA

TENNESSEE SECTION ITE

Winter Meeting

February 22, 2011

Memphis, TN

Spring Meeting

Late May, 2011

Smyrna, TN

Summer Meeting

Late July, 2011

Fall Creek Falls, TN

Fall Meeting

Date: TBD

Location: TBD

Letter from the Editor

Gerald Bolden

The past several months have flown by and several people have asked me, "When is the next newsletter going to be ready?" Well, the time has finally come for the Fall 2010 TSITE newsletter.

There are several highlights in the newsletter:

- 2011 TSITE officers;
- ITE Awards;
- SDITE Call for Presentations
- 2010 Highway Capacity Manual
- And more

As always, if you would like to exercise your journalism skills and have an article published in the TSITE newsletter, please submit any comments, articles or suggestions to:

Gerald Bolden
(615)370-8410
geraldbolden@rpmtraffic.net

In special recognition for his long-time contributions and service to TSITE, Ed Watt has been honored with the renaming of TSITE's "Volunteer Award for Distinguished Service" Award to the "Edward E. Watt Volunteer Award for Distinguished Service".

CONGRATULATIONS AND THANK YOU!!!!



Photo Courtesy of
Lawson Bordley

Volume 14, Issue No. 2

**Inaugural 2011 TSITE
Traffic Bowl**

Steve Bryan, P.E., PTOE

TSITE will be holding its first Traffic Bowl Competition during our upcoming Winter Meeting being held at the University of Memphis. The Traffic Bowl is a Jeopardy-style competition, similar to the one held annually at the Southern District (SDITE) Annual Meeting. The winning student chapter will represent our Section at the SDITE Traffic Bowl Competition at the 2011 Annual Meeting in Lafayette, LA.

The Traffic Bowl Committee is grateful to the Executive Board and the entire membership for agreeing to this competition. Personally, I want to recognize and send my appreciation to the following TSITE members who have been working diligently to see this competition come to fruition: Greg Judy, Dyan Damron, Bob Stammer, and Dan Vincent.

The Traffic Bowl Committee also wants to thank the University of Memphis for hosting this inaugural Traffic Bowl Competition. We encourage all TSITE members to attend the Winter Meeting in Memphis to support our students as well as the members who have brought this fun and exciting competition to our Section. And, of course, you are welcome to dress, cheer, and bring signs to show support of your favorite school!

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<http://www.facebook.com/pages/Tennessee-Section-Institute-of-Transportation-Engineers/128510577201545>



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TSITE Certificate of Appreciation

In recognition of their recent retirements, John Wall and Ed Watt each received a TSITE Certificate of Appreciation for their past service to TSITE.

SCHOLARSHIP/STUDENT PAPER WINNERS



Photo Courtesy of
Lawson Bordley

John Harper Scholarship
Lawson Bordley, University of
Tennessee

Student Paper Award
Francisco Oliveira-Neto, Univer-
sity of Tennessee

INTERNATIONAL ITE AWARDS

Transportation Planning Council Best Project Award Nashville Area MPO for its project "Regional Bicycle and Pedestrian Study." Leslie Meehan, Nashville Area MPO and Bob Murphy, RPM Transportation Consultants, Brentwood, TN.



SOUTHERN DISTRICT ITE AWARDS

Joseph M. Thomas Young Member Award
Dyan C. Damron

Outstanding Undergraduate Student Paper Award
Jeffery Karafa from the University of Memphis for a paper titled "State-of-the-Art in Freight Modeling"

2010 TSITE Summer Meeting Wrap Up...

The Summer Meeting was held at the Sheraton Read House in Chattanooga, TN. This was the first time TSITE held a 3-day summer meeting. As always, it was filled with various activities including the technical presentations, award presentations, the scholarship auction and technical tours.

There were several informative technical presentations. Some of these included an overview of the newly released Highway Safety Manual (HSM) presented by Christopher Webster, P.E. of the FHWA Resource Center and W. Martin Bretherton, Jr. P.E. of HNTB Corporation, "Electric Vehicle Infrastructure" presented by Stephanie Cox of ECOtality North America and the "Volkswagen Plant Site Preparation and Road Improvements" presented by Dennis Malone of the City of Chattanooga.

Two of the four scholarship/student paper winners attended the meeting. Francisco Oliveira-Neto was the 1st place winner of the student paper award and Lawson Bordley was the recipient of the John Harper Scholarship. Both students attend the University of Tennessee. Other awards included TSITE Certificate of Appreciation to John Wall and Ed Watt for their past service to TSITE and recognition of their recent retirements. Also, in special recognition for his long-time contributions and service to TSITE, Ed Watt was honored with the renaming of the TSITE award from the "Volunteer Award for Distinguished Service" to the "Edward E. Watt Volunteer Award for Distinguished Service".

The highlight of the summer meeting is always the scholarship auction. As usual, John Van Winkle took the gavel and led us in a fun-filled night full of auction items ranging from old pedestrian signal heads to Christmas ornaments all the way to Tennessee Volunteer merchandise. In all, this year's auction raised a total of \$4,315.

There were 43 individuals in attendance at the Summer Meeting.



2010 Highway Capacity Manual

Source: <http://itre.ncsu.edu/hwy/education/hcm.asp>, <http://prj.kittelson.com/hcm/> and TRB website

Engineers and transportation planners familiar with the *Highway Capacity Manual*, used for "evaluating the multimodal performance of highway and street facilities," will find that the fifth edition is a significant revision from the previous edition. The *2010 Highway Capacity Manual* (HCM2010) incorporates "the latest research on highway capacity and quality of service" as well as a reorganization which will make it more accessible and understandable.

In September of 2007, the Transportation Research Board (TRB) initiated the overall HCM production research project to pull all previous funded NCHRP project together and update the HCM so that it continues to be a consistent and coherent guide to the latest accepted capacity and operations analysis practice for the United States. This research project is identified as NCHRP 3-92 and is being performed by Kittleson and Associates.

The purpose of NCHRP 3-92: *Production of the 2010 Highway Capacity Manual* is to develop an up-to-date HCM that is directly relevant to the facility planning and design needs of engineers and planners in 2010. The manual will provide a comprehensive set of methodologies for quantifying congestion and overall facility performance and an integrated systems analysis approach for sizing facilities and for determining geometric design parameters. The approach will be applicable to automobile, truck, bus, bicycle, and pedestrian travel on a highway, street facility, sidewalk, or shared-use path in the public street or highway right-of-way.

The 2010 Highway Capacity Manual will have four volumes:

1. Highway Capacity and Quality of Service Concepts
2. Highway Capacity and Quality of Service for Uninterrupted Flow Facilities
3. Highway Capacity and Quality of Service for Interrupted Flow Facilities
4. Highway Capacity and Quality of Service Applications Guide

The end of the research project is scheduled to be September 23, 2011; however according to the TRB NCHRP 3-92 schedule publication of the 2010 HCM is anticipated by the end of 2010.

City of Franklin ARRA Funded Project

Kevin Comstock, ITS Project Manager, City of Franklin

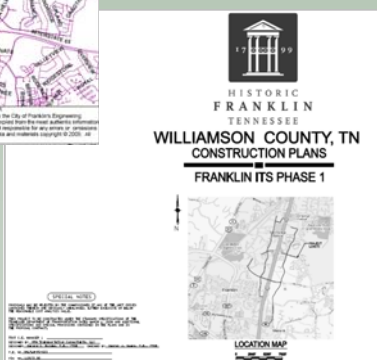
In April 2002, TSITE did a newsletter article indicating that the Traffic Operations Center (TOC) had opened in Franklin. At that point in time four Closed Circuit Television (CCTV) seemed to be enough to monitor the traffic and congestion on Franklin's primary east - west corridor, State Route 96 East (Murfreesboro Rd.). There was a communications network that communicated with 9 signals between the Central Business District and Interstate 65. Over the next 3 years more signals were added in Cool Springs using a dial-up modem at 19.2k and a spread spectrum radio interconnect. At this time there was also a single camera installed but we lacked a sufficient communications network to connect with it.

Because of the lack of communications with that single camera and in recognition of the need for more CCTV and other ITS technologies, TOC staff began to develop the Franklin ITS Master Plan and had it adopted as an amendment into the Major Thoroughfare Plan Update of 2005. The plan consisted of three phases: the Cool Springs Extension; the Northern and Western Extensions and the Southern Extension. The plan comprised over 30 miles of conduit, fiber, a proposed network of 28 CCTV cameras and 7 Remote Weather Information Stations.

In January of 2009, the ITS Project Manager solicited support of the Board of Mayor and Aldermen to place the Franklin ITS into the 2035 Regional Transportation Plan for the MPO. As luck would have it, the discussions involving the American Recovery and Reinvestment Act (ARRA) of 2009 came to light. This project was submitted and approved for funding as an ARRA project. The MPO approval of the project was a \$1M grant award with no local match required. It did however come with a number of stipulations with the two critical being, it needed to be "shovel ready" within one year of the ARRA 2009 authorization date of March 18th 2009 and the funds would be subject to TDOT Local Programs Guidelines with FHWA oversight.

In July of 2009, the City of Franklin received its contract from TDOT for the project. We did not receive Notice to Proceed with Design or Environmental until January of 2010. We with the help of RPM Transportation Consultants, LLC. were able to turn the project around within a few days to receive Notice to Proceed for Final Design. This project had to be substantially complete by January 29th, 2010 or TDOT would rescind the grant. RPM and City Staff worked virtually around the clock to fulfill TDOT's Local Programs Checklist of Items for final design submittal. We submitted for final design approval on January 28, 2010. During this timeframe, the MPO authorized additional funding for ARRA projects that resulted from project "under-runs" on other ARRA projects. The City submitted and was granted an additional \$225,000 for the project.

With the deadline effectively met, City staff and RPM finalized all the design and documentation for the project. The project bid on June 2nd and was issued a Notice to Proceed on August 25th. The project is current in the construction phase. Stansell Electric Company is the prime contractor and Smith Seckman Reid, Inc. (SSR) is conducting the CEI.



2011 SDITE Call for Presentations

The 2011 SDITE Annual Meeting will be held on April 11-13 in Lafayette, Louisiana. The LAC is inviting you to submit an abstract for presentation at the meeting. Under the theme of *Back to the Basics: Safety, Convenience, and Efficiency*, the focus of this meeting is on roadway safety, access management, context sensitive design, traffic operations, and sustainable development. All interested in submitting an abstract for consideration follow these guidelines:

- Submission deadline: November 30, 2010
- Submit via the following: SDITE2011@gmail.com
- Abstract Word Limit: 250

2010 TSITE Membership Survey

It's that time of year again!

Please take a few minutes and complete the attached 2010 TSITE Membership Survey summarizing your activity involvement in ITE this year particularly in TSITE. This activity involvement information that you provide could be such items as attending or making presentations at meetings, attending or conducting workshops/webinars, participating with committees, publishing papers, receiving awards, using our web site (www.tsite.org), etc. The membership survey even has a box for you to add other information that is doesn't quite fit one of the questions.

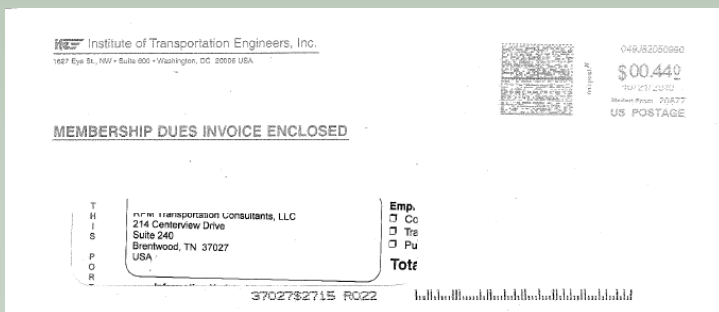
This may be one of the most important informational items that the TSITE Board collects from its members because the information is input directly into TSITE's Annual Report to the SDITE as we compete against the other Sections for the "SDITE Outstanding Section Award". Tennessee can win this award with your help!

Therefore, whether you can answer "Yes" to only one question or to all questions, please submit the membership survey. When you have completed the membership survey, just save the file and submit it directly to Chris Kirby at ckirby@wilbursmith.com.

The deadline for submitting the 2010 TSITE Membership Survey is Wednesday, December 8, 2010.

Your participation is very important and useful to the TSITE Board as we head into 2011.

Have you seen this?????



DON'T FORGET TO RENEW YOUR ITE MEMEBERSHIP

ITE membership dues are payable by January 1, 2011. Renewals can be completed by returning the 2011 Membership Dues Invoice with appropriate payment amount by either check or credit card or online at www.ite.org.

If you have any questions about your membership dues bill, please contact Jennifer Childs at 1-202-785-0060 ext. 124 or via email at jchilds@ite.org.



RECOVERY.GOV



Tennessee's total award from the American Recovery and Reinvestment Act was \$669 million in transportation related funds to agencies and entities including TDOT which was directly responsible for disbursing **\$518,414,293**.

TDOT Administered Funds (Info obtained from TDOT website on November 16, 2010)

Highways and Bridges: \$486,810,182	(100% obligated)
Airport Grants: \$4,568,353	(100% obligated)
Rural Transit: \$21,168,758	(100% obligated)
Discretionary Grants: \$5,800,000	(\$3,224,000 obligated)
Total: \$518,347,293	(\$515,771,293 obligated)

Direct Apportionments to Metropolitan Planning Organizations: \$85,823,861

Federal Transit Administration (FTA) Direct Apportionments: \$52,076,084

Federal Aviation Administration (FAA) Direct Apportionments: \$12,966,517

2010 TSITE Sponsors

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TSITE SPONSORSHIP

Purpose:

The purpose of TSITE sponsorship in the TSITE Newsletter (Tennessee Transportation News) and on the TSITE Web Site (<http://www.tsite.org>) is twofold.

First, sponsorship provides an opportunity for TSITE members wishing to show support of the organization and its mission. Numerous requests have been made in the past concerning the possibility of "advertising" in the Tennessee Transportation News. One purpose of the formulation of this policy is to provide this opportunity for members to provide and receive information about various products and services offered by participating TSITE members.

Second, monies collected through sponsorships help support the activities of ITE student chapters within the state of Tennessee. In an effort to encourage student participation, TSITE wishes to encourage financial aid to chapters and individuals outside of the annual scholarships.

Eligibility:

Sponsorship of TSITE publications is available to all regular and affiliate members of TSITE and the organizations they represent.

Contributions:

For a donation of \$50 per calendar year (Jan 1 to Dec 31), each participant/firm/organization will be recognized in one (1) business card-sized space (2"x3½") in each published newsletter during the year. A firm/organization logo and its web site address link will also be posted on the TSITE web site.

Beneficiary:

The opening budget of most student chapters comes solely from membership dues collected each year. While this generally allows chapters to host regular meetings, assistance for participation in additional ITE activities is often unavailable. Funds collected from sponsorships will go into the TSITE general fund to offset such costs as student registration at TSITE meetings and travel/lodging costs for students invited to ITE functions.

Procedure:

To become a sponsor of TSITE publications, please send the following to Steve Bryan, 2010 TSITE Secretary/Treasurer (contact information provided below):

- A \$50 donation (checks payable to "Tennessee Section ITE") noting its purpose;
- An electronic formatted (color or b/w) submission (Acceptable formats are *.jpg, *.tif, *.bmp, or *.cdr) of the participant/firm/organization needed for the newsletter (2"x3½" finished size);
- The firm/organization electronic logo needed for the TSITE web site;
- The firm/organization web site address link needed for the TSITE web site.

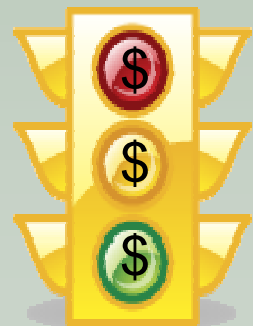
If you have any questions regarding TSITE sponsorship, please contact:

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Thank you in advance for considering TSITE Sponsorship!



Tennessee Transportation News — Newsletter of the Tennessee Section of ITE

“Tennessee Transportation News” is the official publication of the Tennessee Section of the Institute of Transportation Engineers (ITE). Any comments, suggestions or technical articles for consideration of inclusion in the newsletter are welcome and should be submitted to Gerald Bolden, Editor (615) 370-8410, geraldbolden@rpmtraffic.net

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