



FALL TSITE MEETING

**November 15, 2007
Tennessee Engineering Center
Nashville, Tennessee**

Registration will begin at 9:00 AM, followed by a series of technical sessions and a business lunch meeting. Lunch will be catered on site. The meeting will conclude at 3:30 PM. Cost for the meeting is \$25.00, which includes lunch. The following is the schedule the meeting:

- 9:00 – 9:30 Arrival and Registration
- 9:30 – 9:40 Welcoming Remarks
- 9:40 – 10:40 Mr. John Van Winkle, P.E. City Traffic Engineer, Chattanooga
Law Enforcement Techniques in Chattanooga
- 10:40 - 11:30 Ms. Rebecca Brooks, P.E. Wilbur Smith Associates
Transportation Planning Project in Nashville
- 11:30 – 12:15 Lunch Break
- 12:30 – 1:30 Business Meeting
- 1:30 – 1:45 Break
- 1:45 – 2:30 Mr. Mike Vickery, Temple, Inc.
New Equipment for Traffic Installations
- 2:30 – 3:25 Mr. Gary Ogletree, TDOT
TDOT's Strategic Highway Safety Plan
- 3:25 – 3:30 Closing Remarks / Adjourn

The Tennessee Engineering Center is located within the Adventure Science Center at [800 Fort Negley Boulevard](#) in Nashville.

If you have questions about this or other meetings call Steve Meyer at (423) 842-3335. Watch for updates here and in future mailings. Register for the meeting NOW, click on the link below.

Meeting Registration

www.tsite.org/meetings/fall07registration.htm

Current 2007 TSITE Officers:

- President Greg Judy, P.E., PTOE
- Vice President Stephen Meyer, P.E.
- Secretary Treasurer Kevin Cole, P.E.
- Section Representative (05-06) John Sexton, P.E.
- Section Representative (06-07) Cindy Pionke, P.E.
- Past President Steve Allen
- Affiliate Director Renny Stinson

2008 TSITE Officers-Elect:

- President Stephen Meyer, P.E.
- Vice President Kevin Cole, P.E.
- Secretary Treasurer Chris Kirby
- Section Rep. (07-08) Cindy Pionke, P.E.
- Section Rep. (08-09) Jeff Hammond, P.E.
- Past Pres. Jeff Hammond, P.E.
- Affiliate Director Dan Vincent

**Tennessee Section ITE
Mission Statement**

The mission of the Tennessee Section of the Institute of Transportation Engineers (TSITE) is the professional development and growth of the traffic and transportation industry, promoting safe and efficient flow of people, goods and services. TSITE will work diligently with the Southern District Institute of Transportation Engineers and International ITE to maintain and further enhance our professional organization by developing and supporting safe standards and sound guidelines for the practice of traffic and transportation engineering. In order to achieve this end, TSITE will grow its membership, contribute to the knowledge base by research and experience, promote the practice of traffic and transportation engineering, and actively engage young and talented professionals to pursue the challenges in transportation. By this pursuit, TSITE should establish itself as a strong ITE section and contribute to a stronger District and international organization.

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Have you been to your local section ITE meeting?

TSITE Nashville Meeting

Nashville area members meet informally for breakfast on the last Wednesday of each month at the Shoney's Restaurant at the Coliseum. Meetings start 7:30 am and last about an hour. Any interested persons are welcome.

For information call or email Greg Judy at greg.judy@neel-schaffer.com or (615) 383-8420.

TSITE Knoxville Meeting

Knoxville area members meet informally for breakfast on the last Thursday of each month at the Shoney's Restaurant on Walker Springs Road. Meetings start 7:30 am and last about an hour. The meetings are informal and are used to update members on ITE activities and area transportation topics. Any interested persons are welcome.

For information call or email Mark Geld Meier at mgeldmeier@ci.knoxville.tn.us or (865) 544-5331.

Chattanooga Meeting

Chattanooga area members meet at 11:30 AM informally for lunch on the second Friday of each month at the Wally's Restaurant at 6521 Ringgold Road, East Ridge, TN 37412. The restaurant is located in the northwest quadrant of the interchange of I-75 and Ringgold Road. There are no meeting fees, only the cost of the buffet meal.

For information call or email John Van Winkle at vanwinkle@mail.chattanooga.gov or (423) 757-5005.

Membership Update Information

Several of you may have changed jobs or mailing locations. Perhaps you have received new certification. Help us update our database. If you have recently changed jobs or locations we want to know. Click here to update your information.

www.tsite.org/Survey/membership.asp

On the Move

Matt Meservy, P.E., is now working for the Nashville Area MPO.

Steve Bryan, P.E. PTOE, recently passed the Professional Traffic Operations Engineering Exam (PTOE) and is now working for Long Engineering in Nashville, TN

On the Move, Part 2

Several of the people you work with may not be aware of some recent changes. For future newsletters please keep us informed about weddings, children, changes in employment or location. Send a brief email to Chris Cowan to let us know so that we can include this information in future newsletters. chris_cowan@gspnet.com

Time to...

CHECK YOUR CALENDAR!

TSITE Fall 2007 Meeting <i>Nashville, TN</i>	November 15, 2007
TSITE Winter 2008 Meeting <i>Memphis, TN</i>	Unannounced
SDITE Spring 2008 Meeting <i>Charleston, SC</i>	April
TSITE Fall Meeting <i>Tri-Cities, TN</i>	Unannounced
TSITE Summer 2008 Meeting <i>Montgomery Bell State Park</i>	July 31-August 1
ITE Annual 2008 Meeting <i>Anaheim, CA</i>	August 17-20
TSITE Fall Meeting <i>Chattanooga, TN</i>	Unannounced

Did You Miss the Southern District ITE Meeting in Knoxville ?

Thanks for joining us in Knoxville. Here you can download the presentations in pdf format. NOTE: While we've tried to reduce file size as much as possible and still maintain reasonable image quality, some files remain quite large.

TDOT "SmartFix" Solution

www.sdite2007.org/.../Presentations/A%20Sessions/1A/ITE-SmartFix40.pdf

"Restore 64" Full Interstate Closure MOT Plan

www.sdite2007.org/.../Presentations/A%20Sessions/1A/I-64%20Riverside.pdf

Planning ITS Implementation in an Urban Environment

www.sdite2007.org/.../Presentations/B%20Sessions/1B/Planning%20ITS%20Implementation%20-%20Metro%20Nashville.pdf

Improving DMS Legibility

www.sdite2007.org/.../Presentations/B%20Sessions/1B/Improving%20DMS%20message%20Legibility.pdf

Vehicle Infrastructure Integration Program

www.sdite2007.org/.../Presentations/B%20Sessions/1B/Vehicle%20Infrastructure%20Integration.pdf

Controversial Solutions for Downtown Traffic

www.sdite2007.org/.../Presentations/A%20Sessions/2A/CONTR%20VERSIAL%20SOLUTIONS%20for%20DOWNTOWN%20TRAFFIC.pdf

Road Diet Implementation in NC - The East Blvd. Experience

www.sdite2007.org/.../Presentations/A%20Sessions/2A/E.%20Bld%20Experience.pdf

Creation of "Main Street" by Reducing Arterial Travel Lanes

www.sdite2007.org/.../Presentations/A%20Sessions/2A/Creation%20of%20main%20street.pdf

Automated Speed Enforcement in NC

www.sdite2007.org/.../Presentations/B%20Sessions/2B/Automated%20Speed%20Enforcement%20NC.pdf

Roundtable on Photo Enforcement (2.2 Mb)

www.sdite2007.org/.../Presentations/B%20Sessions/2B/Photo%20Enforcement.ppt

System Development Changes for Roadways (2.7

www.sdite2007.org/.../Presentations/A%20Sessions/3A/System%20Development%20Charges%20for%20Roadways.pdf

Public-Private Partnerships in Transportation

www.sdite2007.org/.../Presentations/A%20Sessions/3A/Public-Private%20Partnerships%20in%20Transportation.pdf

Evaluation of US 64/NC 49 Corridor

www.sdite2007.org/.../Presentations/A%20Sessions/3A/US%2064-NC49%20Corridor.pdf

Evaluation of Access Points in NC

www.sdite2007.org/.../Presentations/B%20Sessions/3B/Evaluation%20of%20Access%20Points%20NC.pdf

Road Safety Audit Reviews

www.sdite2007.org/.../Presentations/B%20Sessions/3B/Road%20Safety%20Audit%20Reviews.pdf

Synthesis of Sign Retroreflectivity Deterioration

www.sdite2007.org/.../Presentations/B%20Sessions/3B/SignDeteriorationPC.pdf

US 17 Corridor Study/Superstreet Concept

www.sdite2007.org/.../Presentations/A%20Sessions/4A/US%2017%20Corridor%20Study.pdf

Smart Growth and Context-Sensitive Transportation Initiatives

www.sdite2007.org/.../Presentations/A%20Sessions/4A/CSD%20Smart%20Growth.pdf

Greensboro Street Design Standards

www.sdite2007.org/.../Presentations/A%20Sessions/4A/Greensboro%20Street%20Design%204-24-07.pdf

Genesis of Transportation Planning

www.sdite2007.org/.../Presentations/B%20Sessions/4B/Genesis%20of%20Transportation%20Myths.pdf

Rezoning Analysis Study

www.sdite2007.org/.../Presentations/B%20Sessions/4B/Rezoning_Analysis_Study.pdf

NCSITE Shopping Center TG

www.sdite2007.org/.../Presentations/B%20Sessions/4B/NCSITE%20Trip%20Generation%20Task%20Force.pdf

Traffic Signal Operation Alternatives for Congested Corridors

www.sdite2007.org/.../Presentations/A%20Sessions/5A/Alternatives%20for%20Congested%20Corridors.pdf

ACS-Lite

www.sdite2007.org/.../Presentations/A%20Sessions/5A/ACS-Lite.pdf

Adaptive Traffic Signal Control in GA

www.sdite2007.org/.../Presentations/A%20Sessions/5A/Adaptive%20Traffic%20Signal%20Control%20GA.pdf

Signal Designs Across the Southeast

www.sdite2007.org/.../Presentations/A%20Sessions/5A/Signal%20designs.pdf

Creative Solutions for Urban Goods Movement

www.sdite2007.org/.../Presentations/B%20Sessions/5B/Urban%20Goods%20Movement.pdf

Evaluating High Capacity Transit

www.sdite2007.org/.../Presentations/B%20Sessions/5B/Nashville%20SE%20corridor%20analysis.pdf

SDITE Strategic Planning Effort

www.sdite2007.org/.../Presentations/B%20Sessions/5B/Strategic%20Planning%20Effort.pdf

Effects of Sovereign Immunity on the Safety of Roads

www.sdite2007.org/.../Presentations/B%20Sessions/5B/Effects%20of%20Sovereign%20Immunity.pdf

New Hourly Bus Service to Nashville Airport

Choose one of several convenient trips to and from the Nashville International Airport and Downtown Music City, USA on the **18 Airport/Elm Hill Pike for only \$1.25 each way**.

Download the bus schedule here:
www.nashvillemta.org/PDF/18_airport07.PDF



Q: Where do I board the MTA bus at the Airport?

A: The MTA bus stop is on Level 1 at the Airport within the Ground Transportation area. Simply make a right as you go out the facility's door and continue straight ahead until you see the Metropolitan Transit Authority sign and our blue and white bus stop sign. For your convenience, we also will post the new 18 Airport/Elm Hill Pike schedule at this location. If you have questions, airport personnel can direct you to the stop. There is an Airport Information Center and Customer Help Desk in the Baggage Claim area. MTA bus schedules and system maps will be available for your convenience.

Q: Where do I catch the MTA bus to the Airport?

A: MTA's Downtown Transit Mall is located within the Central Business District on Deaderick Street between 4th and 5th Avenues North adjacent to the Downtown DoubleTree Hotel.

Q: How do I know which bus to catch on the downtown Transit Mall for the trip to the Airport?

A: The front and side destination signs will clearly read 18 Airport, 18 Elm Hill or 18 Airport Express. The 18 Airport Express trips take about 20 minutes to reach the airport and the 18 Elm Hill (local trips) take 34 to 45 minutes depending upon traffic. All bus trips depart from Shelter C on the Transit Mall.

Q: How much is the fare?

A: \$1.25 each way for adults, \$.70 for youth ages 19 and younger, \$.60 for seniors (age 65 and older) and people with disabilities. Proof of age may be requested. Our fare boxes accept cash as well as debit or credit Visa or MasterCard.

Q: What if I have questions, where shall I call for more information?

A: Contact Customer Care Center at (615) 862-5950, 6:30 a.m. to 6:30 p.m. Monday Friday, 8 a.m. to 5 p.m. on Saturday and 10:30 a.m. to 2:30 p.m. on Sunday. In addition, for your convenience we provide bus schedule information through our Trip Tuner IVR phone system 24/7.

Q: Where can I pick up or view the 18 Airport/Elm Hill bus schedule?

A: For your convenience, all bus schedules are available

online at www.nashvillemta.org, at the Nashville Airport Information Center located on level 2 in the Baggage Claim area, the MTA Information Booth on the MTA Transit Mall, Nashville Downtown Library, City Hall and at other transit displays around town.



Q: Can your buses accommodate people using wheelchairs?

A: Yes, our entire fleet of buses is equipped to accommodate people with disabilities who use wheelchairs.

Q: Does your service operate on all holidays?

A: On the following major holidays, MTA operates service on a Sunday/Holiday schedule:

- New Year's Day
- Martin Luther King, Jr. Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving
- Christmas

Please review the schedules for Sunday/Holidays on the specific route schedules on these holidays.

Q: Will the buses be able to store my luggage during the trip to downtown?

A: Yes, self-service luggage racks have been installed on most of the MTA buses that service the Airport.

Q: How can I get to other areas of town if my hotel is not downtown?

A: For your convenience, the 18 Airport/Elm Hill Express will arrive on the downtown Transit Mall early enough for you to connect with a number of other MTA buses. There is also a Customer Care information booth and other transit personnel who will be able to answer questions. To connect to another bus, we do require another \$1.25 fee. If you are planning to ride the MTA for several days while in town, you may want to purchase a 7-Day fare card or an All Day pass.

Before or after your flight, relax in comfort and leave the commute to us. The Nashville MTA offers convenient, scheduled bus service to and from Nashville International Airport at an economical price.

World Wide Web

The Federal Highway Administration has published a new Traffic Detector Handbook.

VOL 1 <http://www.tfhrc.gov/its/pubs/06108/>

VOL 2 <http://www.tfhrc.gov/its/pubs/06139/>

State of the Practice and Recommendations on Traffic Control Strategies at Toll Plazas

<http://mutcd.fhwa.dot.gov/rpt/tcstoll/index.htm> and

http://mutcd.fhwa.dot.gov/resources/policy/tcstollmemo/tcstoll_policy.htm

FHWA has put out a new edition on the Railroad-Highway Grade Crossing

http://www.ite.org/bookstore/gradecrossing/lo_res_RR_BOOK.pdf

Coordinated Freeway and Arterial Operations Handbook

<http://www.tfhrc.gov/its/pubs/06095/index.htm>

Traffic Noise Model Update

<http://www.fhwa.dot.gov/environment/noise/tnm/index.htm>

Low Cost Treatments For Horizontal Curve Safety

http://safety.fhwa.dot.gov/roadway_dept/pubs/sa07002/index.htm for

NCHRP announced several new research projects related to traffic engineering.

http://www.trb.org/NotesDocs/NCHRP_Announcement.pdf

Roundabouts in the US NCHRP Report 572

Press

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_572.pdf.

"FHWA Highway Construction Noise Handbook".

<http://www.fhwa.dot.gov/environment/noise/handbook/distmemo.htm>

and

<http://www.fhwa.dot.gov/environment/noise/handbook/index.htm>

Freeway Management and Operations Handbook.

http://www.ops.fhwa.dot.gov/freewaymgmt/publications/frwy_mgmt_handbook/toc.htm

New Publication: Using Highways During Evacuation Operations for Events with Advance Notice - 3/7/2007

http://www.ops.fhwa.dot.gov/publications/evac_primer/00_evac_primer.htm

PORTABLE CHANGEABLE MESSAGE SIGN HANDBOOK

<http://www.tfhrc.gov/pavement/ltpb/reports/03066/#intro>

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2007 NATIONAL TRAFFIC SIGNAL REPORT CARD

WASHINGTON, DC— A new report released by the National Transportation Operations Coalition (NTOC), a group of transportation associations, shows that fuel consumption can be decreased and congestion mitigated, if the nation improves how its traffic signals are managed and operated. The nation scored an overall grade of D, up from a D- two years ago.

NTOC is an organization comprising transportation experts including the Institute of Transportation Engineers (ITE), the American Association of State Highway and Transportation Officials (AASHTO), the American Public Works Association (APWA), the International Municipal Signal Association (IMSA), ITS America, U.S. DOT—Federal Highway Administration (FHWA) and many other organizations.



The report card shows how local jurisdictions such as cities, counties and states can reap large rewards, such as mitigating congestion and lessening fuel consumption, by making small changes in the way they manage and operate their traffic signal systems. The report also highlights several jurisdictions that have been successful in making changes since the 2005 report card was released.

The results contained in the report card are based on the 2007 Traffic Signal Operation Self Assessment released by NTOC in the fall of 2006. A total of 417 agencies responded, representing 47 states. Information about the press event will also be provided in ITE Journal and the ITE e-newsletter.

“Our research shows that just a few small changes in the local management and operations of traffic signals could result in national fuel savings of up to 10 percent or 17 billion gallons per year.

That would mean a monetary savings of \$240 a year or five full gas tanks for the average household,” said Elizer, Spokesperson, National Transportation Operations Coalition (NTOC) and Transportation Services Manager, Gresham, Smith & Partners in Nashville, TN.

“In addition to the fuel savings, the nation would see a reduction of up to 22 percent in harmful emissions.” The 2007 National Traffic Signal Report Card shows that while there is still much work to be done, many jurisdictions have used the assessment to make changes and improve their grades.

One such example highlighted in the report is the City of Austin, TX, which improved its score in just two years from a “C” to an “A” by implementing a more pro-active preventive maintenance schedule. “The City of Austin is a great example of how low cost changes to traffic signal operations can result in big savings,” said Congressman Lloyd Doggett (D-Texas) whose district includes the City of Austin. He went on to say, “Spending no new money, the City of Austin was able to save more than \$40 million in operating costs in just one year by simply changing the way it manages its traffic signal operations.”

The City of Nashville, TN, USA, has implemented an area-wide program to update signal timing plans, which has resulted in decreased fuel consumption and improved air quality.



In addition to better fuel efficiency and improved air quality, benefits include shorter commute times and a decrease in driver frustration. Studies around the country show that the benefits of investments in signal timing outweigh the costs by 40:1 or more.

NTOC seeks to raise awareness of the need for more traffic signal management and operations and resources in an effort to decrease congestion while improving air quality and fuel efficiency. Copies of the 2007 National Traffic Signal Report Card Technical Report and Executive Summary can be found at <http://www.ite.org/reportcard>.