INSTITUTE OF TRANSPORTION ENGINEERS

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

January 1, 2005 – December 31, 2005

2005 Board of Directors
President: Jeff Hammond
Vice President: Steve Allen
Secretary/Treasurer: Greg Judy
Affiliate Director: Renny Stinson
Past President: Anthony Todd
Section Representative (’04-’05):
    Hollis Loveday
Section Representative (’05-’06):
    John Van Winkle

2005 Committee Chairs
Audit: Greg Judy
Awards: Anthony Todd
Career Development: Dawn Foster
Legislative: Devin Doyle
Membership: Greg Judy
Nominations: Anthony Todd
Scholarship: Anthony Todd
Scholarship Challenge: Greg Judy
Section Relations: Jeff Hammond
Technical: John Sexton

Membership

TSITE actively promotes full membership in ITE (approximately 93% of total membership are International members). To better personally introduce the organization, this year’s Membership Committee produced an information packet targeted toward the attraction of potential affiliate members of the Section.

<table>
<thead>
<tr>
<th>Number</th>
<th>Membership Grade</th>
<th>Annual Dues</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Honorary</td>
<td>$0</td>
</tr>
<tr>
<td>32</td>
<td>Fellow</td>
<td>$15</td>
</tr>
<tr>
<td>117</td>
<td>Member</td>
<td>$15</td>
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<tr>
<td>81</td>
<td>Associate</td>
<td>$15</td>
</tr>
<tr>
<td>7</td>
<td>Institute Affiliate</td>
<td>$15</td>
</tr>
<tr>
<td>41</td>
<td>Student Member</td>
<td>$15</td>
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</table>

Section Affiliates (By type):

<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Annual Dues</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>Consultant</td>
<td>$15</td>
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<tr>
<td>8</td>
<td>Government</td>
<td>$15</td>
</tr>
<tr>
<td>2</td>
<td>Education</td>
<td>$15</td>
</tr>
<tr>
<td>9</td>
<td>Vendors</td>
<td>$15</td>
</tr>
</tbody>
</table>

Membership Facts:

300 total members.

123 (41%) are consultants.
104 (35%) are government employees.
41 (14%) are students.
16 (5%) are educators.
13 (4%) are vendors.
3 (1%) are retired.

6 (2%) live outside of Tennessee.

21 (7%) 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, 2005: $9,785.60

Income for Year 2005:
- Membership Dues: $3,350
- Meeting income: $15,456
- Investment income: $100 (est)
- Advertising income: $350
- District reimbursement: $2,664.65
- Scholarship income: $4,080
- Correction from 2004: $1,600

Total Income: $27,580

Expenditures for Year 2005:
- Printing/postage: $599.88
- Meetings: $4,163
- Special projects: $491
- Awards: $984
- Scholarship fund: $5,110
- Student member support: $185

Total expenditures: $11,533

Net Income: $16,047

Balance of funds on hand December 31, 2005: $25,832

There was no change in the Section Bylaws in 2005.

Technical Activities

The root of our organization’s technical activity is found in four quarterly meetings held throughout the state. It is here that experiences are shared, initiatives are introduced, results are presented, and questions are answered. The Section takes pride in providing timely, varied programs that feature local speakers as well as students and other invited guests. Also, we believe that interaction with other Sections and related organizations broadens the awareness of our members and leads to stronger professional relationships. Please see the Meetings section of this report for a summary of these technical activities.
**Legislative Activities**

The TSITE Legislative Committee was formed this year to investigate the potential interaction of our organization with the legislative process and to monitor the transportation-related proceedings of our legislative bodies. Two bills were actively monitored:

- Bill to allow planning, design, construction, and maintenance of a major toll bridge in the Nashville area remains deferred in subcommittee.
- Bill to exempt persons over 21 from a mandatory motorcycle helmet was deferred until January 2006.

Additionally, a “Congressional Corner” feature was added to the TSITE newsletter listing other bills of potential interest to our members. Four other state bills in addition to TEA-LU highlights were highlighted.

**Meetings**

TSITE’s four regular monthly meetings are a staple of our membership’s technical activity. In addition, three local areas hold monthly social meetings for a total of over 35 TSITE meetings in 2005. In all, opportunities for 65 professional development hours were made available during the year.

Date: March 3, 2005
Location: Vanderbilt University, Nashville

Purpose: TSITE’s annual Winter Meeting, held in conjunction with a student chapter

Technical Component:

| Mr. Mark Cook, P.E., City of Clarksville Traffic Engineer | Neighborhood Traffic Calming in Clarksville |
| Dr. James Dobbins, Ph.D., Vanderbilt University | TDOT's Traffic & Safety Information System |
| Mr. John Houghton, Tennessee Department of Transportation | TDOT Long Range Plan |
| Ms. Rachel Smith, Belmont University | Legislative Issues |

Attendance: 89 TSITE members and students
Date: May 26, 2005 Location: Bowling Green, Kentucky

Purpose: TSITE’s annual Spring Meeting, held in conjunction with KYSITE’s Meeting and scholarship golf outing

Technical Component:

<table>
<thead>
<tr>
<th>Name</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Ms. Melissa Cansler, City of Bowling Green</td>
<td>Lexington Congestion Management Plan</td>
</tr>
<tr>
<td>Mr. Paul Slone, Lexington-Fayette Urban County Government</td>
<td>Bowling Green Major Thoroughfare Plan</td>
</tr>
<tr>
<td>Mr. Fred Schwartz, Nashville Area MPO</td>
<td>Nashville MPO Congestion Management</td>
</tr>
</tbody>
</table>

Attendance: 34 TSITE members, 59 total

Date: July 8-9, 2005 Location: Fall Creek Falls State Park, Pikeville

Purpose: TSITE’s annual Summer Meeting and Auction for scholarship fundraising

Technical Component:

<table>
<thead>
<tr>
<th>Name</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>Kim Couch, Tennessee Tech University</td>
<td>Activity-Based Forecasting (Student Paper Winner)</td>
</tr>
<tr>
<td>Preston Elliott, Parsons Brinkerhoff</td>
<td>Quantifying Roadway Conditions Using the Bicycle Compatibility Index Model in Clarksville</td>
</tr>
<tr>
<td>Bob Weithofer &amp; Jonathan Cleghon, Metro Nashville Public Works</td>
<td>Nashville’s CMAQ Signal Timing Early Results</td>
</tr>
</tbody>
</table>

Attendance: 82 TSITE members, students, and guests

Date: Sept. 21-23, 2005 Location: Knoxville, Tennessee

Purpose: TSITE’s annual Fall Meeting and first Tennessee Conference of Planning, Landscape Architecture, and Transportation Engineering (held in conjunction with state chapters of APA and ASLA)
Technical Component:

<table>
<thead>
<tr>
<th>Speaker(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>Allison Lockwood and Roger Henderson</td>
<td>A Timeless Way of Street Building</td>
</tr>
<tr>
<td>Alan Childers</td>
<td>Integrating Traffic Calming into the Design of Urban Streets</td>
</tr>
<tr>
<td>Teresa Estes, Lane Swauger</td>
<td>Corridor Planning, Which Comes First?</td>
</tr>
<tr>
<td>Jeff Hammond</td>
<td>Urban Freeway Removal: A Review of Selected Cases</td>
</tr>
<tr>
<td>Brad Thompson, Preston Elliott and Jerry Everett</td>
<td>Freight and Goods Movement: A Study for the Nashville Region</td>
</tr>
<tr>
<td>Rodney Chester, John Benditz and Don Dahlinger</td>
<td>TDOT'S Intelligent Transportation System (ITS)</td>
</tr>
<tr>
<td>Rebecca Brooks, Bob Murphy and Adetokunbo “Toks” Omishakin</td>
<td>Implementing a Successful Bicycle and Pedestrian Program</td>
</tr>
<tr>
<td>John Mettile</td>
<td>Transforming the Kentucky Transportation Cabinet</td>
</tr>
<tr>
<td>Jim Alderman and Marshall Elizer</td>
<td>Public Wayfinding: “Don’t Make Me Turn This Car Around!”</td>
</tr>
<tr>
<td>Dr. Jack Humphreys</td>
<td>Outdoor Lighting</td>
</tr>
</tbody>
</table>

Note: Speakers shown here only represent the ITE portion of the program. The conference provided three concurrent tracks, including over 20 individual presentations, workshops, and technical tours.

Attendance: 94 TSITE members and guests, 357 total

Date: October 16-18, 2005     Location: Chattanooga, Tennessee

Purpose: Joint meeting with APWA and SWANA

Technical Component:

<table>
<thead>
<tr>
<th>Speaker(s)</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Gene Hyde, Chattanooga City Forester</td>
<td>Public Works and Urban Forestry in Chattanooga</td>
</tr>
<tr>
<td>Rick Wood, Trust for Public Land</td>
<td>Chattanooga’s Greenway Plan</td>
</tr>
<tr>
<td>Richard Riggins, Neel-Schaffer, Inc.</td>
<td>Chickamauga Dam Roundabout</td>
</tr>
<tr>
<td>Mike Howard, Hamilton County Engineer</td>
<td>Tennessee Riverwalk</td>
</tr>
<tr>
<td>Steve Meyer, Volkert &amp; Associates, Inc.</td>
<td>Chattanooga ITS Program</td>
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<tr>
<td>Don Moore, Engineering Forensics Group, Inc.</td>
<td>Automotive Black Box Technology</td>
</tr>
<tr>
<td>Dr. Aaron Rosenberg, Redflex Traffic Systems, Inc.</td>
<td>Photo Enforcement</td>
</tr>
</tbody>
</table>

Attendance: 15 TSITE members
**Student Activities**

The four Student Chapters (University of Memphis, Vanderbilt University, Tennessee Tech University, and the University of Tennessee) continued to be a source of pride for TSITE in 2005. 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. Some outstanding activities include:

- Completion of traffic studies for local businesses (UT)
- Student presentations at TRB workshop (UT)
- First William H. Temple Scholarship Challenge champions (UT)
- Organized tour of TDOT’s TMC (VU and TTU)
- Organized tour of active construction sites (TTU)
- Attendance at Chapter and Section Meetings (UT, VU, TTU)
- Attendance at District Meeting (UT, VU)
- Faculty attendance at International Meeting (UM, VU)

Submitted Chapter Reports are included as appendix items.

**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.

2005 Recipient: **Marble Hensley, P.E.** – Arcadis

*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.

2005 Recipient: **Cindy Pionke, P.E.** – Knox County Dept. of Engineering

*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.

2005 Recipient: **Dyan Schnarrs, EIT** – RPM & Associates
**Robert Stammer Student Chapter Award** (Plaque): Presented to a Student Chapter who, for the school year, has contributed outstandingly to the advancement of the transportation profession in the Tennessee Section.

2005 Recipient: **University of Tennessee**

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**Student Awards**

*William L. Moore, Jr. Student Scholarship* ($1,500 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.

2005 Recipient: **Elizabeth Pfohl** (University of Tennessee)

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*TSITE Student Scholarship* ($1,500 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.

2005 Recipient: **Sal Sarcona** (University of Tennessee)

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*TSITE Student Paper First Place Award* ($250 and Plaque): Recognition of the best student paper submitted in the Tennessee Section competition.

2005 Recipient: **Scott Beaird** (University of Tennessee)

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*TSITE Student Paper Second Place Award* ($100 and Plaque): Recognition of the second best student paper submitted in the Tennessee Section competition.

2005 Recipient: **Kim Couch** (Tennessee Tech University)
Other Notables

Tennesseans continued their tradition of enthusiastic attendance at District and local meetings. Approximately 65 members, students, and spouses converged in Savannah and our Winter and Fall Meetings each approach 100 members.

Four Tennesseans journeyed “down under” to the 2005 Internal Meeting in Melbourne including Jeff Hammond, an ITE Young Member travel scholarship award winner.

Our website, www.tsite.org, continues to be an excellent portal for information concerning the Section. For the first time, the site became an official election tool as the on-line balloting process was a success.

Since the original TSITE Operations Manual was developed in 2001, several areas needed updating. A complete overhaul of the document was undertaken and finished for use by the 2006 incoming officers.

TSITE continues to be a strong proponent of collaborative technical meetings. This year, meetings with the Kentucky Section ITE and the Tennessee chapters of the American Planning Organization and American Society of Landscape Architects gave us new contacts and a broader outlook on our profession.

A Legislative Committee was formed to monitor Transportation Committee agendas on capitol hill. Two bills continue to be closely monitored by this committee.

Over $4,000 was raised at the annual scholarship auction. A total of $5,110 was deposited into the TSITE scholarship fund this year.

The Tennessee Department of Transportation completed the Statewide Long-Range Transportation Plan with the help of TSITE, one of 50± members of a statewide steering committee.

District involvement included several recognitions at the April meeting in Savannah. Jeff Hammond was awarded the Joseph Thomas Young Member Award, Craig Hanchey was elected SDITE Secretary-Treasurer, and the team from the University of Tennessee clinched the first prize in the William Temple Scholarship Challenge.

Dr. Arun Chatterjee became chair of International ITE’s Goods Movement Council.

Members welcomed back Bill Kervin from almost two years of active duty with the National Guard 278th in Iraq. A signed proclamation recognizing Mr. Kervin’s service was presented to his wife Kathy at the Fall Meeting awards ceremony.

New correspondence was created by the Membership Committee to introduce the Section to potential affiliate members. An information packet including the all-new Section brochure reached over 200 transportation professionals across the state.
The Tennessee Section honored the life and career of Mr. Marble Hensley. Mr. Hensley was a founding member of ITE's Southern Section in 1953, served as ITE President in 1969, and was awarded TSITE's Volunteer Distinguished Service Award in September before his passing on November 7th.

In addition to technical meetings, monthly local area meetings in Nashville, Chattanooga, and Knoxville allow for informal fellowship. Local area meetings accounted for over 30 TSITE meetings in 2005.

Successful meeting planning allowed TSITE to maintain among the lowest dues in the District ($15) while keeping the average 1-day meeting registration cost at $20. Student registration at all meetings remains free and some travel/accommodations costs are covered.

Steve Meyer co-authored a paper entitled *Encouraging Professionals to Teach University Classes* and presented it to the American Society of Engineering Educators.

**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. Some of the activities of TSITE members in various areas follow.

**Attendance or presentations in the following technical activities:**

- American Society of Engineering Educators
- Chattanooga Traffic Safety Advisory Council
- APWA Chapter meetings
- National Committee on Uniform Traffic Control Devices
- NSPE/TSPE meetings
- Various middle and high school and community college engineering presentations
- Florida DOT TEA-LU Workshop
- Portland Cement Concrete Pavement Conference
- Tennessee Public Transit Association Annual Meeting
- AASHTO/SASHTO
- Georgia Section ITE
- North Carolina Section ITE
- Kentucky Section ITE
- American Planning Association meetings
- ASCE Web Seminars
- Tennessee TransCAD Model Users’ Group
- “Engineers Day on the [Capital] Hill” in Nashville
- FHWA Intersection Safety Program
• Nashville Chamber of Commerce, Transportation Committee
• Society of Women Engineers
• American Society of Highway Engineers
• Monthly TSPE Middle Tennessee Chapter Meetings
• SDITE Board Meetings
• TAPA Winter Retreat
• Tennessee ASCE Annual Meeting
• Tennessee Chapter APWA Board Meetings
• TDOT Statewide Steering Committee for LRTP, Nashville
• APWA Road to Leadership officers’ meeting
• TSITE Monthly Regional meetings in Nashville, Knoxville, and Chattanooga
• Transportation Research Board
• Modern Roundabout Design workshop
• Various neighborhood group meetings

Awards and honors given to members this year include:

• ACEC of Tennessee President’s Citation, Steve Meyer
• Adjunct Faculty Service Award, UT Chattanooga, Steve Meyer
• Nashville Chamber of Commerce Outstanding Volunteer of the Year, Bill Moore
• SDITE Joseph Thomas Young Member Award, Jeff Hammond
• ITE Transportation Consultants Council travel scholarship, Jeff Hammond
• Middle Tennessee TSPE Government Engineer of the Year, Don Dahlinger

Leadership positions held in various professional organizations:

• President, Southern District ITE, Bob Murphy
• President, Chattanooga Chapter ACEC, Steve Meyer
• Tennessee Highway Official Certification Board, Jack Marcellis
• President-Elect Tennessee Chapter APWA, Jack Marcellis
• Tennessee Infrastructure Alliance, Bill Moore
• Southern District Awards Committee Chair, John Van Winkle
• Southern District Editor, Sharon Schutz
• Judge of Nashville’s “Excellence in Development” Competition, John Van Winkle
• Member of Executive Committee of ITE’s Good’s Movement, Arun Chatterjee
TENNESSEE SECTION 2005 ANNUAL REPORT

APPENDIX

Including:

Congressional Corner – TSITE Legislative Committee’s newsletter update (1 page)

TSITE Fall Meeting brochure and schedule (7 pages)

UT, VU, and TTU Student Chapter Reports (18 pages)

Screen capture of TSITE on-line voting page (1 page)

Military service proclamation (1 page)

Brochure created as part of affiliate member campaign (2 pages)

Encouraging Professionals to Teach University Classes, Steve Meyer (8 pages)
In February, TSITE undertook a concerted effort to bring members more information on the activities of our state legislature. Led by member Devin Doyle, the Legislative Committee will review the weekly calendars of Senate and House Transportation Committees, looking for items of interest to our organization.

As it arises, notable legislation will be posted here in the Congressional Corner feature. We’ll also bring the latest from Washington and if your local government is passing unique ordinances, let us know and we’ll publish that, too.

National
In March, the US Senate passed TEA-LU (officially: HR 3, the Transportation Equity Act: A Legacy for Users). For FY04-09, it funds highways at $235 billion and transit at $49 billion.

TEA-LU Highlights
* Increases TEA-21 guaranteed funding by 42 percent
* Includes tax law changes passed last year that restore the 5.2 cents per gallon subsidy to the Highway Trust Fund (HTF) and revoke the diversion of 2.5 cents per gallon from HTF to the General Fund
* Includes $6 billion for projects of national and regional significance
* Implements a Congestion Relief Program—new state requirements for projects that increase motor vehicle travel reliability and maximize roadway capacity and efficiency and remove bottlenecks; establishes time periods for completion of congestion relief program
* $590 for High Risk Rural Road Program
* $875 million over five years for Safe Routes to School Program
* $52.35 billion guaranteed funding for transit over six years—51 percent increase in guaranteed funding over TEA-21
* $2 billion for rural public transportation
* Provides funds for new disabled transportation programs in areas where it is not available—administration’s New Freedom Initiative
* Does not include a plan to address the donor/donee issue, expected to be addressed in conference negotiations

* Includes a “reopener” provision that stops flow of funding after two years to allow Congress to find additional funding; it is unclear from what year the reopener will take effect
* Does not include member projects

Tennessee
*SB 1325 by *Burchett, Henry, Miller, Southerland (HB 1215 by *Davidson)
Safety - Exempts persons 21 years of age or older from wearing a mandatory crash helmet while riding motorcycle, motorized bicycle, or motor-driven cycle. - Amends TCA Section 55-9-302.

*SB 0140 by *Cooper (HB 0594 by *Curtiss)
Railroads - Requires all Class III railroads to maintain crossings on all roads not maintained by state. - Amends TCA Section 65-11-103.

*SB 0775 by *Burchett (*HB 0874 by *Campfield)
Railroads - Requires Memphis to maintain railroad right-of-way properties at its expense within the municipal boundaries. - Amends TCA Title 65, Chapter 11, Part 1.
Looking Back... Moving Forward

Join us in Knoxville for the first-ever joint conference of TAPA, ASLA and TSITE!
The theme is "Looking Back, Moving Forward" and addresses how the past has been borrowed from and adapted for today's trends in planning, landscape architecture and transportation. This is an exciting opportunity for discussion among our three fields.

The conference promises to be informative and lively, with topics such as corridor planning, downtown redevelopment, innovative planning products, and planned communities. Mobile workshop choices include a canoe trip down the French Broad River, a tour of Norris, the renamed TVA planned community, and a downtown walking tour of Knoxville redevelopment projects. There are also two pre-conference workshops available at no extra charge.

http://www.knoxmcp.org/tncon05/
# CONFERENCE REGISTRATION 2005

**Please print or type. Use one form per registrant.**

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<thead>
<tr>
<th>Name</th>
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<tr>
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<th>State</th>
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## EARLY BIRD DISCOUNT REGISTRATION
(Must be Received by August 5, 2005)

- [ ] Member of TAPA, TSITE, ASLA or Planning Commissioner - $150
- [ ] Non-member - $175
- [ ] Student or Retiree - $75

## REGULAR REGISTRATION
(Must be Received by September 7, 2005)

- [ ] Member of TAPA, TSITE, ASLA or Planning Commissioner - $175
- [ ] Non-member - $200
- [ ] Student or Retiree - $100

*Fee waived if student/retiree works 6 volunteer hours for the conference. You must register by August 21, 2005 to qualify for this option.

## LATE REGISTRATION

- [ ] Member of TAPA, TSITE or ASLA - $225
- [ ] Planning Commissioner - $225
- [ ] Non-member - $250
- [ ] Student or Retiree - $125

## THURSDAY ONLY

Includes admission to all sessions; continental breakfast, breaks, luncheon, and the awards banquet.

- [ ] Early Bird - $90
- [ ] Regular - $110
- [ ] Late - $130

## FRIDAY ONLY

Includes admission to all sessions; continental breakfast, breaks & luncheon.

- [ ] Early Bird - $75
- [ ] Regular - $95
- [ ] Late - $115

## ADDITIONAL/COMPANION MEAL TICKETS

- [ ] Wednesday Reception - $25
- [ ] Thursday Luncheon - $25
- [ ] Thursday Awards Banquet - $40
- [ ] Friday Luncheon - $25

## MOBILE WORKSHOPS

Each of these has limited capacity; check the box to reserve your spot.

- [ ] City of Norris Planned Community Tour - $15
- [ ] French Broad River Canoe Trip - $20
- [ ] TNDOT Traffic Management Center Tour - $10
- [ ] Walking Audit with Mark Fenton - Free
- [ ] Downtown Knoxville Redevelopment Walking Tour - Free

**TOTAL AMOUNT DUE**

(Please make checks payable to KARA)

## PRE-CONFERENCE WORKSHOPS

- Site Planning Roundtable Management Training
- Leadership Training

## EARLY BIRD REGISTRATION DEADLINE: AUGUST 5

## REGULAR REGISTRATION DEADLINE: SEPTEMBER 7

Registrations must be received by this date. Pre-registration will not be processed after this date. Walk-up registration will be available at the conference and will be charged the Late Registration fee.

## REGISTRATION FEES

Full conference registration includes admission to all sessions; continental breakfast, luncheons, daily breaks; admission to the receptions and the awards banquet for the registrant.

## CANCELLATION POLICY

All refunds will require a 10% processing fee. A 90% refund will be given for cancellations received via e-mail or phone by August 31, 2005. A 50% refund will be given for cancellations received by September 9, 2005. Any refund requests received after September 15 will be considered on a case-by-case basis with appropriate documentation. No shows will not receive a refund. You may, however, designate a replacement attendee. All refunds will be processed within 90 days of the close of the conference.

Return registration form with payment to:

2005 Tennessee Conference
Katie Guenther
501 Woodland Hills Drive
La Vergne, Tennessee 37086
Phone: 615-793-7894
katieguenther@comcast.net
The following are brief descriptions of the sessions. For more information, please refer to the conference website at http://www.knxmirc.org/tncconf05/

Thursday, September 22
9 a.m. - 10:15 a.m.

**CONTEXT SENSITIVE SOLUTIONS:**
A Timeless Way of Streetbuilding
Allison Lockwood and Roger Henderson
Integrating Traffic Calming into the Design of Urban Streets
Alan Childers
This presentation will focus on the new national guidelines in "A Guide to Context-Sensitive Design for Major Urban Streets." The national guidelines address fundamental concepts of urban building and site design, and the relationship between buildings, urban design, and the urban thoroughfare. Many agencies have adopted geometric design standards that promote traffic calming, including such features as reduced street widths, shorter tangent sections, and increased horizontal and vertical curvature. This presentation will serve to summarize many of these standards and how they are being applied by local agencies.

**TENNESSEE GROWTH READINESS PROGRAM**
Joel Haden, John Lamb, Leslie Collier, other speaker TBA
This program helps communities learn how land use decisions affect water quality, and then make informed choices about managing growth. The program helps them comply with new regulatory requirements. Planners and public works officials are the program's target audience. Program participants learn to evaluate their existing development rules against a palette of twenty-two model principles. They learn to build a consensus for new rules that protect water resources and are right for their community.

**PUBLIC INVOLVEMENT**
Going Successfully from a Vision to a Recommendation
Jeannie Dulaneys
Nine Counties, One Vision Public Involvement
Lynne Fugate
Community Participation in the Design Process
Bill Eubanks
This session will discuss public involvement processes, including the James White Parkway task force and Nine Counties, One Vision. Presenters will outline the innovative processes used and share lessons learned. Some tools that will be discussed include personal style assessments, group dynamics models, team building and collaborative approaches to problem-solving. The session will also provide information on how to achieve a common vision and take it to strategic planning and action levels. Brainstorming sessions and Design Charrettes can be an effective way to educate the public and gain consensus in the design process, leading to design solutions which respond more completely to local issues. What is the difference between the

10:30 a.m. - 11:45 a.m.

**URBAN REDEVELOPMENT**
Applying the Transect: From the Plan through the Codes
Cindy Wood
From Vision to Brick and Mortar
Ed Owens
Presenter Cynthia Wood will outline how Nashville developed new land use policies that better respond to the distinct needs of the varied environments within Metro Nashville, a countywide document of land use policies to fit the Transect, and is developing subdivision and zoning code changes to implement these policies. Understanding the unique challenges associated with urban redevelopment requires recognition that a broad array of inter-related elements ultimately must come together to make a project work for the developer. Zoning, design guidelines, non-conventional financing packages, inflexible life-safety codes and the prospect of expensive environmental remediation are just a few of the challenges facing an urban developer.

**SAFE ROUTES TO SCHOOL**
Mark Fenton
This is a national initiative launched in 1998 by the Partnership for a Walkable America, a coalition of health, safety, and transportation organizations promoting healthy, safe, accessible walking for all Americans. Adults and children are encouraged to walk to school together on this day, and in the process to look for ways that they can make their communities permanently more walkable. Fenton presents the keys to putting on a successful event and insights on the progress many communities pass through from launching a one-day event to creating long-term, permanent improvements. He also shares success stories and inspiration so that others can embrace this idea and make it work.

**STRATEGY FOR BIG BOXES**
Changing a Reactive Position into a Proactive Strategy
Mayor Steve Bem and Craig Lewis
The mayor of one of the premier master planned communities in the United States reviews big box retail, its negative impacts and ways to control this type of development. The presentation will include methods that you can employ for creating a more palatable version of big box development. Grayfields and new urban "laser shopping" centers will be included in the discussion. It's a balanced analysis of the good, the bad, and the ugly of dealing with modern development practices and New Urbanist, form-based codes.
Rebecca Brooks, Bob Murphy, and Adetokunbo “Toks” Omishakin
join us in discussing how Nashville, Tennessee, the “Music City”, is moving to the heart of a successful bicycyle and pedestrian program. In 2003, Metro Nashville adopted its first comprehensive bicycle and pedestrian plan. Music City Moves, the Community Health and Wellness Team, Walk/Bike Nashville, and various departments of Metro Nashville government have worked together to implement new facilities, develop programs, and create policies to encourage smart travel choices and more healthy lifestyles.

KNOXVILLE DOWNTOWN REDEVELOPMENT
David Dewhirst, Bill Lyons and Tom Reynolds
Three panelists with different responsibilities and perspectives regarding downtown development will speak to the revitalization of downtown Knoxville has seen and continues to experience.

REGIONAL AND COMMUNITY PLANNING
Kingsport Tomorrow
Liesa Jenkins
Blount County Planning Efforts
John Lamb and Carlos Yunsan
Kingsport Tomorrow is a non-profit citizen organization working to improve the community through citizen participation in determining the future.

Blount County is in the midst of several planning efforts, including the Environmental Health Action Team, focused on public health aspects of land use, air quality and water quality; Hunter Interests, Inc. growth strategy for Maryville and Blount County; and Little River Watershed Planning. This presentation will give an overview of these efforts and focus on the EHAT process.

11 a.m. - Noon

CONTEXT SENSITIVE SOLUTIONS
Applying Traditional Community Planning Practices to Roadway Planning and Design in Tennessee
Valerie Birch
Transforming the Kentucky Transportation Cabinet
John Mettler
This presentation will focus on the parallels between traditional community planning with its history of public involvement and emphasis on contextual solutions and the Context Sensitive Solutions approach to roadway projects. It will highlight the lessons that the Kentucky Department of Transportation and Kentucky Transportation Cabinet have learned as they embrace CSS, and the role that planners can play in helping DOT’s develop projects that “fit their physical setting and preserve scenic, aesthetic, historic, and environmental resources, while maintaining safety and mobility.”

INNOVATIVE PLANNING PRODUCTS
The Plan of Nashville
Gary Gaston and T.K. Davis
Chattanooga’s Downtown Plan
Pam Glaser
The Plan of Nashville is a community-based vision of how the urban core should look and work in the twenty-first century. The culmination of this 2 1/2 year process is The Plan of Nashville: Avenues to a Great City, a 250 page coffee table book published by Vanderbilt Press that is already receiving national acclaim. In addition, the Nashville Civic Design Center produced a 25 minute video documentary that charts the origins, process and production of The Plan of Nashville.

Chattanooga’s Downtown Plan is a 20-year vision for how the downtown will grow and develop. The innovative format of this particular plan should be of great interest to planners. Instead of a thick printed document, three products were produced: 1) a two-sided poster that summarizes the principles and goals of the plan, 2) a really cool 15-minute video which does the same, and 3) a compact disc which contains the full text and numerous graphics as well as the video.

PUBLIC WAYFINDING IN THE BUILT ENVIRONMENT
“Don’t Make Me Turn This Car Around!”
Jim Alderman and Marshall Etzler
Environmental graphic designers and engineers are working toward the same goal: make the motorist’s experience as safe, efficient, and enjoyable as possible. This presentation will address the goals of a successful public wayfinding program and the benefits of developing a good working relationship among environmental graphic designers, transportation engineers, planners, and landscape architects. Case studies will be presented of programs designed for Chattanooga and Rutherford County, and an update provided on the pilot programs for tourist-oriented wayfinding signage sponsored by TDOT.

1:20 p.m. – 1:50 p.m.

OUTDOOR LIGHTING
Jack Humphreys
Electric lights have changed drastically since they were first produced in 1800. Improvements in efficiency have occurred in the past 50 years but no new lamp technologies have emerged. Vision 2020: Lighting Technologies Roadmap, a 1999 report, recommends 100 changes in lighting based on goals of efficiency, life span and quality. One such change, the introduction of full electronic ballasts, is expected this year. The presentation will discuss the ballast and offer a demonstration.

1:50 p.m. – 3:00 p.m.

INVASIVE SPECIES AND THE DEVELOPMENT PROCESS
Dr. Jack Ranney
Development stimulates the spread and threat of exotic invasive plants within developing areas and nearby natural areas. This imposes costs to society that are not well documented. The processes of invasion and spread are summarized for invasive plants in the context of development. Effects of management responses or lack of them have significant economic, social, and ecological implications that need to be considered in community development. Some local invasive plant situations will be discussed along with their near- and long-term implications.
**CORRIDOR PLANNING**

Which Comes First?
Teresa Esers, Lane Swauger
Sevier County Transit for the Future
Timothy P. Sorensen

Part one of this session will focus on the past, present and future of the SR 386 extension project. This is a large area transportation impact study that examines the effects of the City of Gallatin long range land use plan on roadways, access management, commuter rail, transit, pedestrian, and bicycle facilities. Recommendations for future projects were based on the results from the TRANSCAD travel model.

The second part addresses Sevier County, Tennessee. This area has experienced large growth in tourist population and traffic congestion. An alternative assessment to determine if improved rapid transit would be possible between Interstate 40, Sevierville, Pigeon Forge and Gatlinburg has been initiated. The work focused on whether an exclusive transitway could be established within the context of three very different communities. There were also some unique public involvement techniques that tried to bring the concepts of context sensitive solutions to this project.

**COMMUNITY SCHOOLS**

Making Stone Soup with Public Space
Jamey Dobbs, Dr. Susan L. Roakes and Gene Burr

Our Community School's (OCS) mission is to strengthen communities by forming alliances of the public schools and the community. OCS encourages the development of public schools as community centers that promote learning, citizenship, and a higher quality of life for people of all ages outside of traditional school hours. There is a growing interest among architects/planners in the design for new construction and redesign of school sites for multiple uses.

**EFFECTIVE MEDIA RELATIONS**

Mark Denton

As a magazine editor and TV host, Mark is aware of the time and magnitude constraints under which most reporters work. As a result, he can offer insights into how best to build a relationship with media outlets in your area, and how to be certain stories are timely and technically accurate.

**URBAN FREeways**

Urban Freeway Removal: A Review of Selected Cases
Jeff Hammond
Chattanooga's 21st Century Waterfront Plan—Taming a Freeway
Dan Kral

This presentation will examine the cities of Portland, New York, San Francisco, and Milwaukee and compare/contrast with the Nashville proposal recently unveiled in The Plan of Nashville, Avenues to a Great City. Investigation of each case will include the relationship of the removed freeway to the wider transportation plan, the impact of local and regional traffic patterns, and the benefits experienced for each city.

The 21st Century Waterfront Plan is a $120 million transformation of 129 acres of downtown riverfront. One of the first and most critical aspects of this plan was the "reclamation" of a 5-lane, limited access highway from the State of Tennessee. This road has now been "calmed" by reducing the number of travel lanes to two and by adding parallel parking, street trees, lighting, and an esplanade for pedestrians and cyclists. New intersections were also added to improve overall circulation in downtown.

**PLANNED COMMUNITIES**

Oak Ridge and Norris
David Brodshaw and Mike Carberry

This presentation will focus on the planning and building of the secret city of Oak Ridge in the historical context of the Manhattan Project, and on Norris, built in the early 1930s by TVA as a planned community and based loosely on the "garden city" principles.

**FREIGHT AND GOODS MOVEMENT**

A Study for the Nashville Region
Brad Thompson, Preston Elliott and Jerry Everett

This session is intended to highlight the experiences and understanding of commodity flows at the state level. The University of Tennessee (UT) Center for Transportation Research is currently providing assistance to NDOT on current practices and tools for addressing freight transportation planning. The culmination of the research by UT and the Nashville MPO, and the Clarksville MPO experiences will be presented—providing valuable insights into how other cities and regions can begin to better understand and plan for freight transportation.

**TDOT'S INTELLIGENT TRANSPORTATION SYSTEM (ITS)**

Improving Safety and Reducing Congestion
Rodney Chester, John Bentz and Don Dahlinger

The Tennessee Department of Transportation's new Memphis Region Intelligent Transportation System (ITS), called "TDOT SmartWay," is designed to help reduce traffic congestion and improve safety through the use of vehicle detection devices, closed circuit television cameras, dynamic message signs, highway advisory radio and an extensive communications system. The "nerve center" of the system is a state-of-the-art Transportation Management Center. The presentation will provide an overview of the overall system and will focus in more detail on the system in Memphis, Knoxville, and Nashville. Each system is at a different stage in development and implementation.

**IMPLEMENTING A SUCCESSFUL BICYCLE AND PEDESTRIAN PROGRAM**

A Case Study of Nashville, Tennessee
## 2005 CONFERENCE SCHEDULE

### PRE-CONFERENCE WORKSHOPS

**Tuesday, September 20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 a.m. - 5 p.m.</td>
<td>Site Planning Roundtable Management Training Workshop</td>
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**Wednesday, September 21**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>8 a.m. - 12 noon</td>
<td>Leadership Training Workshop</td>
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</tbody>
</table>

### CONFERENCE SCHEDULE

**Wednesday, September 21**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 a.m. - 7 p.m.</td>
<td>REGISTRATION</td>
</tr>
<tr>
<td>Noon - 1:30 p.m.</td>
<td>TAPA Executive Committee meeting</td>
</tr>
</tbody>
</table>

### MOBILE WORKSHOPS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noon to 4 p.m.</td>
<td>Tour the City of Norris, TN's &quot;greenbelt town.&quot; (lunch provided)</td>
</tr>
<tr>
<td>1 - 5 p.m.</td>
<td>Canoe trip down the French Broad River blueway conservation corridor</td>
</tr>
<tr>
<td>1:30 - 4 p.m.</td>
<td>4th &amp; Gill and Mechanicsville Neighborhoods Tour</td>
</tr>
<tr>
<td>2 - 4 p.m.</td>
<td>TDOT Traffic Management Center Tour</td>
</tr>
<tr>
<td>6:30 - 8:30 p.m.</td>
<td>OPENING RECEPTION: The Women's Basketball Hall of Fame</td>
</tr>
</tbody>
</table>

**Thursday, September 22**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 a.m. - 7 p.m.</td>
<td>REGISTRATION</td>
</tr>
<tr>
<td>7 a.m. - 8:15 a.m.</td>
<td>TSITE Business Meeting</td>
</tr>
<tr>
<td>8:15 a.m. - 8:45 a.m.</td>
<td>Welcome from Knoxville Mayor Bill Haslam and Knox County Mayor Mike Ragsdale</td>
</tr>
</tbody>
</table>

### CONFERENCE SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 a.m. - 10:15 a.m.</td>
<td>CONTEXT SENSITIVE SOLUTIONS: A Timeless Way of Streetbuilding; Integrating Traffic Calming Into the Design of Urban Streets</td>
</tr>
<tr>
<td>9 a.m. - 10:15 a.m.</td>
<td>TENNESSEE GROWTH READINESS PROGRAM</td>
</tr>
<tr>
<td>9 a.m. - 10:15 a.m.</td>
<td>PUBLIC INVOLVEMENT: Going Successfully from a Vision to a Recommendation; Nine Counties, One Vision: Community Participation in the Design Process</td>
</tr>
<tr>
<td>10:30 a.m. - 11:45 a.m.</td>
<td>URBAN REDEVELOPMENT: Applying the Transit - From the Plan through the Codes; From Vision to Brick and Mortar</td>
</tr>
<tr>
<td>10:30 a.m. - 11:45 a.m.</td>
<td>SAFE ROUTES TO SCHOOL</td>
</tr>
<tr>
<td>10:30 a.m. - 11:45 a.m.</td>
<td>STRATEGY FOR BIG BOXES: Changing a Reactive Position into a Proactive Strategy</td>
</tr>
<tr>
<td>Noon - 1:30 p.m.</td>
<td>LUNCHEON: Jen Colthan - Urban Trees - Resources for Livable Communities</td>
</tr>
<tr>
<td>1:45 p.m. - 2:45 p.m.</td>
<td>CORRIDOR PLANNING: Which Comes First?; Sevier County Transit for the Future</td>
</tr>
<tr>
<td>1:45 p.m. - 2:45 p.m.</td>
<td>COMMUNITY SCHOOLS: Making Sense with Public Space</td>
</tr>
<tr>
<td>1:45 p.m. - 2:45 p.m.</td>
<td>EFFECTIVE MEDIA RELATIONS</td>
</tr>
<tr>
<td>3 p.m. - 4 p.m.</td>
<td>URBAN FREEWAYS: Urban Freeway Removal: A Review of Selected Cases; Chattanooga's 21st Century Waterfront Plan - Raising a Freeway</td>
</tr>
<tr>
<td>3 p.m. - 4 p.m.</td>
<td>PLANNED COMMUNITIES: Oak Ridge and Norris</td>
</tr>
<tr>
<td>3 p.m. - 4 p.m.</td>
<td>FREIGHT AND GOODS MOVEMENT: A Study for the Nashville Region</td>
</tr>
</tbody>
</table>

### BONUS MOBILE WORKSHOPS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 p.m.</td>
<td>Walking Audit with Mark Fenton: Community Walkability Assessment</td>
</tr>
<tr>
<td>4 - 6 p.m.</td>
<td>Downtown Knoxville Redevelopment, Walking Tour</td>
</tr>
<tr>
<td>6 p.m.</td>
<td>RECEPTION with cash bar</td>
</tr>
<tr>
<td>6:30 p.m.</td>
<td>AWARDS BANQUET: Keynote by Mark Fenton - Active Living by Community Design</td>
</tr>
</tbody>
</table>

**Friday, September 23**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 a.m. - Noon</td>
<td>REGISTRATION</td>
</tr>
<tr>
<td>8 a.m. - 9:15 a.m.</td>
<td>TDOT'S INTELLIGENT TRANSPORTATION SYSTEM (ITS): Improving Safety and Reducing Congestion</td>
</tr>
<tr>
<td>8 a.m. - 9:15 a.m.</td>
<td>ASLA Business Meeting</td>
</tr>
<tr>
<td>8 a.m. - 9:15 a.m.</td>
<td>AMPO Meeting</td>
</tr>
<tr>
<td>9:30 - 10:45 a.m.</td>
<td>IMPLEMENTING A SUCCESSFUL BICYCLE AND PEDESTRIAN PROGRAM: Nashville Case Study</td>
</tr>
<tr>
<td>9:30 - 10:45 a.m.</td>
<td>KNOXVILLE DOWNTOWN REDEVELOPMENT</td>
</tr>
<tr>
<td>9:30 - 10:45 a.m.</td>
<td>REGIONAL AND COMMUNITY PLANNING: Kingsport Tomorrow; Blount County</td>
</tr>
<tr>
<td>11 a.m. - Noon</td>
<td>CONTEXT SENSITIVE SOLUTIONS: Applying Traditional Community Planning Principles to Roadway Planning and Design in Tennessee; Transforming the Kentucky Transportation Cabinet</td>
</tr>
<tr>
<td>11 a.m. - Noon</td>
<td>INNOVATIVE PLANNING PRODUCTS: The Plan of Nashville; Chattanooga's Downtown Plan</td>
</tr>
<tr>
<td>Noon - 1:00 p.m.</td>
<td>PUBLIC WAYFINDING IN THE BUILT ENVIRONMENT: &quot;Don't Make Me Turn This Car Around!&quot;</td>
</tr>
<tr>
<td>11:50 a.m. - 3:00 p.m.</td>
<td>LUNCHEON: Paul Morris - Creating a Sustainable Community from the Grassroots Up</td>
</tr>
<tr>
<td>1:50 p.m. - 3:00 p.m.</td>
<td>OUTDOOR LIGHTING</td>
</tr>
<tr>
<td>1:50 p.m. - 3:00 p.m.</td>
<td>INVASIVE SPECIES AND THE DEVELOPMENT PROCESS</td>
</tr>
</tbody>
</table>
## WORKSHOPS

### PRE-CONFERENCE WORKSHOPS

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>No charge, but you must pre-register</td>
<td></td>
</tr>
<tr>
<td>Tuesday, September 20</td>
<td>8 a.m. - 5 p.m.</td>
</tr>
<tr>
<td><strong>SITE PLANNING ROUNDTABLE MANAGEMENT TRAINING WORKSHOP</strong></td>
<td>Participants learn how to integrate water quality considerations into their planning process and integrate best practices into their development rules. They learn how to organize and lead a Site Planning Roundtable in their community. Through a Roundtable, community leaders will recommend changes to existing development rules and processes. They choose from a menu of 22 model development principles that lead to economically viable and environmentally sensitive development.</td>
</tr>
<tr>
<td>Wednesday, September 21</td>
<td>8 a.m. - 12 noon</td>
</tr>
<tr>
<td><strong>LEADERSHIP TRAINING WORKSHOP</strong></td>
<td>Participants learn how to explain the complex issues and choices surrounding land use and water quality. They do this through presentations to elected officials, developers, builders, farmers and residents. In these presentations, they suggest actions that each group can take to have both development and water quality. Presentations are based on work by the University of Connecticut's NEMO program (NEMO = Non-point Education for Municipal Officials).</td>
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</tbody>
</table>

### MOBILE WORKSHOPS

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited capacity, you must pre-register</td>
<td></td>
</tr>
<tr>
<td>Wednesday, September 21</td>
<td>Noon to 4 p.m.</td>
</tr>
<tr>
<td><strong>Tour of the City of Norris - TVA's “Greenbelt Town”</strong></td>
<td>Created in 1934 as a model settlement by planning pioneers Earle Draper and Tracy Augur. Norris retains much of its original charm: its housing and town design, parks and greenbelt, and the nearby Norris Dam will be seen and discussed on this tour. (Lunch will be provided).</td>
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<tr>
<td>1 - 5 p.m.</td>
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<tr>
<td><strong>Canoe Trip Down the French Broad River Blueway Conservation Corridor</strong></td>
<td>The French Broad River canoe trip will start at Seven Islands Wildlife Refuge, Knox County's 400-acre peninsula park that is being converted from a farm into a spectacular wildlife refuge with walking trails and river access. We will be canoeing around the peninsula, by the seven islands, and finish at the historic Huffaker Ferry Crossing. The float will last approximately 2 hours.</td>
</tr>
<tr>
<td>1:30 - 4 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>4th &amp; Gill/Mechanicville Neighborhoods Tour</strong></td>
<td>This tour will take participants through Historic Fourth &amp; Gill, an excellent example of the neighborhoods that flourished in Knoxville during the last quarter of the 19th Century, and through Mechanicville, which contains a Traditional Neighborhood Development (TND) and infill housing. We will compare street standards, setbacks and other elements of neighborhood design in the old and new neighborhoods and talk about the similarities as well as the differences.</td>
</tr>
<tr>
<td>2 - 4 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>TDOT Traffic Management Center</strong></td>
<td>The Knoxville SmartWay system was unveiled in May of this year. This tour will show participants the Center that directs and monitors the 70 cameras and 16 dynamic message signs that make up the system.</td>
</tr>
<tr>
<td>Thursday, September 21</td>
<td>1 p.m.</td>
</tr>
<tr>
<td><strong>Walking Audit with Mark Fenton</strong></td>
<td>Community Walkability Assessment. This is a walk in which we look for fundamental elements which encourage and discourage walking. Participants will learn how to conduct an audit in their own neighborhood or community.</td>
</tr>
<tr>
<td>4 - 5 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>Downtown Knoxville Redevelopment Walking Tour</strong></td>
<td>Groups will have the opportunity to tour four sites in downtown Knoxville that have been or are in the process of redevelopment. These sites will showcase different examples of downtown buildings and the mix of uses. Speakers will be on hand at each site to talk about the redevelopment process and lessons learned.</td>
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### CONFERENCE HOTEL

**CROWNE PLAZA**

**KNOXVILLE**

**THE PLACE TO MEET.**

401 Summit Hill Drive
Knoxville, TN 37902
865.522.2600
www.crowneplaza.com
888.303.1746

To make a reservation for the special conference rate, please be sure to mention "TAPA conference."

**Conference Hotel Rates**

- Single or Double bed = $89
- King or Quad bed = $99

This rate does not include tax.

This rate is available for September 21-23, 2005.

**Reservation Deadline**

Reservations at the above rate will be accepted until August 21, 2005 or until the group block is full, whichever comes first. Reservations made after August 21 will be processed at the best available rate.
Institute of Transportation Engineers

Student Chapter Annual Report

Prepared by:
The Institute of Transportation Engineers
Student Chapter at
The University of Tennessee, Knoxville

For the Period:
March 2004 to March 2005

University of Tennessee
ITE Student Chapter
Department of Civil and Environmental Engineering
223 Perkins Hall
Knoxville, Tennessee 37996
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Student Chapter Information

Student Chapter Officers

President:  Megan Blake (March 2004 – May 2004)
           Sai Sarcona (September 2004 – March 2005)
Vice President:  Sai Sarcona (March 2004 – September 2004)
                Andy King (September 2004 – March 2005)
Secretary:  Scott Beal (March 2004 – March 2005)
           James Norris (January 2005 – March 2005)
Faculty Advisor:  Dr. Thomas Urbanik

Student Chapter Membership

Number of Student Chapter Members:  26
Number of Student Members of ITE:  21
Number of Students eligible to be a Student member of ITE:  26
Number of Faculty Members who are ITE members:  5

Information on Transportation Engineering Enrollment

Number of undergraduate students (sophomore – senior) in Civil Engineering:

Full Time:  200  Part Time:  25

The curriculum does not allow an undergraduate student to major in Transportation.

Number of graduate students in Transportation:

Full Time:  18  Part Time:  10
Summary of Student Chapter Activities

Awards

UTK Chapter: 2004 TSITE Chapter Award 1st Place
Benji Whitehead: 2004 TSITE Student Scholarship
Manoel Castro-Neto: 2004 TSITE Student Scholarship
Manoel Castro-Neto: 2004 TSITE Student Paper Award 1st Place
Sal Sarcona: 2004 TSITE Student Paper Award 3rd Place

Regular Business Meetings

Regularly scheduled business meetings were held during the Spring and Fall semesters. These meetings were used to conduct student chapter business including collection of dues and notification of upcoming events. Furthermore, business meetings were used to solicit member feedback regarding special chapter events such as guest speakers, service projects, conferences, etc. Meetings generally also had speakers from the transportation profession, which are outlined in the following sections.

Professional Development

The following guests were present at most meetings as professional representatives:

- Dawn Foster, Wilbur Smith Associates
  Chair TSITE Career Development Committee
- Chris Kirby, Cannon and Cannon, Inc.
  UT Representative for the TSITE Career Development Committee

These guests discussed interaction with the Tennessee Section of ITE and kept student members abreast of Section, District, and International ITE activities.

The following were guest speakers at the monthly meetings:

- **David Metzger**, City of Bristol, TN
  *Traffic Management on Race Weekends in Bristol, TN*
  April 2004

- **Greg Judy**, TSITE Secretary-Treasurer
  *Overview of ITE and Opportunities for Student Members*
  September 2004
Field Trips and Joint Meetings

- **Eighty – Fourth Annual Meeting Transportation Research Board:** Washington, D.C., January 2005. The Chapter arranged for members to attend the TRB annual meeting in January with financial assistance from the Southeastern Transportation Center (STC). Members of our chapter and other STC-affiliated students had an opportunity to attend a half-day demonstration at the Maryland Police Driver Training Facility in Sykesville, MD. A short lecture on vehicle dynamics was presented and followed by hands-on training on a test track. Students were able to practice obstacle avoidance and ABS skidding at moderate to high speeds. Additionally, students participated in TRB meetings, presentations, and workshops. Two chapter members, Scott Beaird and Jacob Yohe, presented results of their research at a workshop.

- **TSITE Summer Meeting:** Fall Creek Falls State Park, TN, July 2004. Student chapter members Manoel Castro-Neto and Sal Sarcona both presented at the meeting. Manoel and Sal were each selected to present as a result of award-winning papers they had submitted in the student paper contest.

- **International ITE Annual Meeting:** Lake Buena Vista, FL, August 2004. Several student chapter members were able to attend the ITE Annual Meeting this year in Lake Buena Vista, FL. The students enjoyed a variety of technical presentations and networking opportunities.
• **TSITE Fall Meeting**: Pigeon Forge, TN, October 2004. The chapter arranged for interested students to travel to the TSITE Fall meeting. Students attended technical presentations and the Section business meeting. Chapter member Melany Noltenius was a featured speaker and presented her research on the feasibility of light-rail in East Tennessee.

**Other Activities**

• **Chapter Website**: During 2004-2005, the student chapter continued to maintain a chapter website, located at [http://web.utk.edu/ite](http://web.utk.edu/ite). The chapter elected, for the first time, a webmaster to maintain the website. The webmaster will work to keep the website current with a variety of information regarding the student chapter, such as upcoming meetings, upcoming events, presentations made by guest speakers, links to other websites, current career opportunities, and a resume posting area.

• **Fundraisers**: The chapter conducted several fundraisers this year. These fundraising events helped the chapter to maintain financial health and to support the professional development of chapter members by funding involvement in various activities.

  o **T-shirts**: The chapter decided to design and produce chapter t-shirts for the first time this year. The shirts were sold to student members, alumni, professionals in the community, and anyone else interested. The sale was a huge success, and the chapter hopes to design new shirts each year.

  o **Traffic Counts and Studies**: The chapter has made itself available to community organizations and businesses to conduct traffic counts and studies. Student members of the chapter conducted one such study this year for a local convenience store chain. The chapter was approached by the owner to conduct two full-day counts at one particular store. Students volunteered for the counts in two-hour shifts over the two days. The data was then analyzed to identify any queuing issues at the driveway entrances to the store. The support from chapter members made this an extremely successful event.
Future Activities

- **Community Involvement:** In order to contribute to our local community and to raise awareness of the organization, the chapter is planning a volunteer event for the Spring 2005 semester. We have contacted officials at the Knoxville Safety City about volunteer opportunities. Safety City is a program administered by the Knoxville Police Department to raise safety awareness among grade-school children. The program teaches children about vehicular, pedestrian, bicycle, and fire safety. The Chapter is looking forward to this opportunity.

- **Planned Trips:** Chapter members will be traveling to Savannah, GA in April 2005 to attend the Southern District Annual Meeting. Furthermore, students from the UT Chapter will be representing the state of Tennessee in the first annual William H. Temple Scholarship Challenge.
Roster of Student Chapter Members

* Indicates a Student Member of ITE

<table>
<thead>
<tr>
<th>Member</th>
<th>Degree</th>
<th>Anticipated Graduation Date</th>
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<tbody>
<tr>
<td>Alan Baker</td>
<td>MS CE</td>
<td>May-05</td>
</tr>
<tr>
<td>* Scott Beaird</td>
<td>MS CE</td>
<td>May-05</td>
</tr>
<tr>
<td>* Megan Blake</td>
<td>MS CE</td>
<td>May-04</td>
</tr>
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<td>* Ben Brooks</td>
<td>MS CE</td>
<td>May-04</td>
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<td>* Walta Brumskine</td>
<td>MS CE</td>
<td>May-08</td>
</tr>
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<td>* John Burnis</td>
<td>MS Planning</td>
<td>May-04</td>
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<td>* Manoel Castro-Neto</td>
<td>MS CE</td>
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<tr>
<td>* Michael Cloud</td>
<td>MS CE</td>
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<td>* Jerry Everett</td>
<td>Ph.D. CE</td>
<td>Dec-05</td>
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<tr>
<td>* Kevin Fielder</td>
<td>MS CE</td>
<td>Dec-04</td>
</tr>
<tr>
<td>Zhongren Gu</td>
<td>Ph.D. CE</td>
<td>May-05</td>
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<td>Edward Holton</td>
<td>MS Planning</td>
<td>May-04</td>
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<tr>
<td>Sam Howard</td>
<td>Ph.D. CE</td>
<td>Dec-04</td>
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<tr>
<td>* Leisa Jones</td>
<td>MS CE</td>
<td>Dec-05</td>
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<tr>
<td>* Vasin Kittiakomal</td>
<td>Ph.D. CE</td>
<td>May-05</td>
</tr>
<tr>
<td>* Andy King</td>
<td>MS CE</td>
<td>May-05</td>
</tr>
<tr>
<td>Zhenyang Li</td>
<td>Ph.D. CE</td>
<td>Dec-05</td>
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<tr>
<td>* Andrei Neciulescu</td>
<td>Ph.D. CE</td>
<td>Dec-05</td>
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<tr>
<td>* Melany Noltenius</td>
<td>MS Planning</td>
<td>May-04</td>
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<tr>
<td>* James Noris</td>
<td>MS CE</td>
<td>Dec-05</td>
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<tr>
<td>* Randy Plummer</td>
<td>MS CE</td>
<td>Aug-06</td>
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<td>Salvatore Sarcona</td>
<td>Ph.D. CE</td>
<td>Dec-04</td>
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<tr>
<td>* Jason Steger</td>
<td>MS CE</td>
<td>Dec-04</td>
</tr>
<tr>
<td>* Benji Whitehead</td>
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<tr>
<td>* Scott Youner</td>
<td>MS CE</td>
<td>Dec-04</td>
</tr>
</tbody>
</table>

Transportation Faculty

Dr. Arun Chatterjee, Professor

Dr. Lee D. Han, Associate Professor

Dr. Steve Richards, Associate Prof. & Director of Southeastern Transportation Center

Dr. Tom Urbanik, Professor & Goodrich Chair of Excellence in Transportation

Dr. Fred Wegmann, Professor
Submission Signatures

Report Submitted By:  

Content Approved By:

Scott Beaird  
Student Chapter Secretary  
865/584-3176  
sbeaird@utk.edu  

March 1, 2005

Dr. Thomas Urbanik  
Faculty Advisor  
865/974-7709  
turbanik@utk.edu
Institute of Transportation Engineers

ANNUAL REPORT OF STUDENT CHAPTER ACTIVITIES
From April 1, 2004 to March 31, 2005

STUDENT CHAPTER AT: VANDERBILT UNIVERSITY

1. STUDENT CHAPTER OFFICERS:

President: Nithin Gomez
Vice President: Amy Lenhardt
Secretary: Steve Frosman
Treasurer: Rob Furst
Membership Secretary: Ashley Thomas

2. STUDENT CHAPTER MEMBERSHIP

Number of Student Chapter Members: 68
Number of Student Members of Institute: 28
Number of Students eligible to be a Student member of the Institute: 85
Number of Faculty Members who are current ITE members: 2

3. DATA ON TRANSPORTATION ENGINEERING ENROLLMENT

Number of undergraduate students (Sophomore – Senior years) in your academic department. The vast majority of our undergraduate members come from Vanderbilt's Department of Civil and Environmental Engineering and that number is 83 full-time students. We have four members from our Engineering Science Program and one member from the Computer Engineering Department. CEE undergraduate engineering students are not required to take additional transportation courses besides the introductory transportation engineering course, which is required. Students from other programs or departments take transportation courses as electives.

The Vanderbilt CEE Department does not have undergraduate students majoring in transportation. All students are civil and environmental students who choose selected CEE courses based upon their interests. Obviously, some take more courses in a particular area and tend to consider themselves as having a transportation, environmental, or structural concentration.
4. SUMMARY OF STUDENT CHAPTER ACTIVITIES

From April 1, 2004 until March 31, 2005, Vanderbilt's ITE Student Chapter will have had seven meetings, 2 business meetings and 5 technical meetings. Three of our five technical meetings were joint meetings, two with Vanderbilt's ASCE Chapter and the third is an upcoming joint meeting in March to be held on Vanderbilt's campus with the Tennessee Section of ITE. We also had five students who attended the SDITE Annual District Meeting in Covington, KY in April, 2004. A fall field trip to TDOT's Traffic Management Center one evening in November, 2004 was also fun. Details are as follows:

April 2004 Technical Meeting:

Twenty-three (23) students attended a presentation by Travis Falls, a VU alumnus and engineer for Consoer-Townsend-Envirodyne in Nashville. He discussed several different planning and design studies performed by his firm.

April Southern District ITE Annual Meeting

Five (5) students, one graduate and four undergraduates, attended the 2004 Annual District Meeting in Covington, KY. The students enjoyed the technical and social activities of a professional meeting. Future career contacts were also made by several graduating seniors.

September Business Meeting:

Twenty-eight (28) students attended the first meeting of the fall semester. The organization and benefits of ITE membership were discussed, future meetings were discussed, and ITE student membership forms were distributed.

October Technical Meeting:

Twenty-nine (29) members attended a joint meeting with the VU ASCE Meeting where Ms. Gillian Fishbach, a VU alumnus and President of her own company, Fishbach and Associates, presented an informative question and answer session about transportation engineering consulting.
November Technical Meeting:

Twenty-six (26) students attended a meeting with presentations/discussions by Jeff Hammond and Greg Judy of Neel-Schaffer’s Nashville Office. ITE membership and student chapter activities were promoted. Then Jeff Hammond presented an informative Power Point presentation on recent MUTCD changes.

November Evening Field Trip

Ten (10) individuals enjoyed touring TDOT’s Traffic Management Center in Nashville on a November Tuesday evening. Mr. David Jean was our tour guide and provided many interesting tidbits of knowledge about the TMC operations, utilizing message boards on Nashville’s interstate highways, and TDOT’s Roadside HELP Program.

January 2005 Business Meeting:

Seventeen (17) students attended this organizational meeting where we discussed chapter activities for the upcoming semester.

February 2005 Technical Meeting:

Thirty-one (31) members attended a joint ITE/ASCE student chapter meeting where Brittany Wright of Kimley-Horn’s Raleigh, N.C. office and a Vanderbilt 2003 graduate reviewed five of her company’s recent projects via a Power Point presentation.

March 2004 Technical Meeting:

The VU ITE Student Chapter is hosting a joint meeting with TSITE on March 3, 2005. Four technical presentations are planned by different presenters and we are both honored and excited about this upcoming event.

Concluding Summary of Year’s Activities

In summary, the six VU ITE Student Chapter Meetings to date had a total of 154 student attendees with an average of approximately 26 students attending each meeting. Other field trips will be planned based on last year’s experience at TDOT’s TMC. We strive to have at least one VU ITE Student Chapter Meeting per month of the school year, and more when possible.

With approximately a 70-student population that demonstrates some level of transportation interest, the chapter is strong and is making good “in-roads” (pardon the
pun... in developing transportation professionals. Interesting programs, professor encouragement, meeting announcements via emails, an evening field trip and strong marketing in transportation courses have helped accomplish much in 2004 and early 2005. A major goal next year is to continue growth, more joint ITE/ASCE joint meetings that have worked well, and hopefully some of our membership can attend the SDITE Annual Meeting in Savannah, GA in April.

Last year we had two graduating members to attend Graduate School in Transportation Engineering at other universities (Univ. of Illinois and Univ. of Virginia). Five of the thirty-three graduating CEE seniors in 2004 took transportation engineering consulting jobs. We consider continuing education and professional placement in the transportation engineering field as benefits of our ITE involvement and the programs and professional meetings afforded us. We would also be amiss if we did not thank our Faculty Advisor, Dr. Bob Stammer (aka "Doc Bob") for his enthusiasm, leadership and encouragement.

Last year was fun, enjoyable and productive. We were excited about increasing this year’s membership from 44 to 68 (+50%) and an ITE Student Member growth from 19 to 28 members (+47.4%). Good planning and collective efforts from all our members can lead to even greater accomplishments next year.

5. ROSTER OF STUDENT CHAPTER MEMBERS

See Attachment A for a list of the 68 Vanderbilt Student Chapter Members. (The 28 Student Members of International ITE are denoted in BOLD while an asterisk denotes our two graduate students.)

Report submitted by: Nithin Gomez, Chapter President

Contents approved by: Robert E. Stammer, Jr., Ph.D., P.E. (Faculty Advisor)

Emails: nithin.m.gomez@vanderbilt.edu

615.343.8060

bob.stammer@vanderbilt.edu

Date: February 26, 2005
Vanderbilt University ITE Student Chapter Members

Note: 1) * indicates graduate students.
2) Names in BOLD type indicate International ITE Student Members.

Alkhouri, Yousif
Allen, Chris
Ansley, Samantha
Beck, Kimberly
Bellows, Jack
Binion, Jessie
Bowers, Ryan
Blum, Jeff
Booker, Chris
Brady, Chris
Burch, Amy
Chavez, Michael
Chi, Jake
Culbreth, Richard
Daberkow, Jonathan
Dalton, Taylor
Diamond, Angela
Eames, Josh
Edwards, John Riley
Fath, Kate
Fralick, Frank
French, Katherine
Froosman, Steve
Furst, Rob
Gambling, Will
Gibbs, Lauren
Gomez, Nithin*
Goodson, Lance
Graf, Andrew
Grandstaff, Hugh*
Hagan, Kyle
Highby, Jenn
Holthaus, Bill
Judy, Colleen
Kalachman, Jesse
Kurtz, Brianna
Kyle, Evan
Lancaster, Tory
Lenhardt, Amy
Lucas, Ross

Mackey, Karlos
Marsh, Brian
Martin, Laura
Masek, Ned
Masters, Jonathan
Matz, Bob
McRae, Lindy
Morris, Avery
Plettner, Lauren
Rosenbloom, Beverly
Rubin, Claire
Rush, Robert
Sagan, Krista
Sanders, Monica
Sands, Brad
Shoe, Stephanie
Snell, Tara
Spaulding, JB
Stone, Will
Svitarovich, Kristen
Thomas, Ashley
Turnipseed, Ben
Tuthill, Matt
Webster, Sarah
Wegerman, Michael
Weissman, Sarah
Westervelt, Virginia
Wilson, Jonathan

SUMMARY

68 Local Chapter Members
28 ITE Student Members
Tennessee Technological University
ITE Student Chapter
Annual Report
April 1, 2004 to March 31, 2005

1. Student Chapter Officers:

President: Tyler King
Vice-President: Daniel Moore (April - December 2004)
               Mary McFarlin (December - current)
Secretary: Kim Couch
Treasurer: Arshad Syed (April – September 2004)
           Rachel Burnette (September – current)

2. Student Chapter Membership:

Number of Student Chapter Members: 20
Number of Student members of Institute: 11
Number of Students eligible to be a Student member of the Institute: 20
Number of faculty members who are current ITE members: 2

3. Information on Transportation Engineering Enrollment:

Number of undergraduate students
(Sophomore-Senior) in the TTU Civil
Engineering academic department: 211

TTU’s curriculum does not allow an undergraduate student to major or minor in
Transportation engineering.

4. Summary of Student Chapter Activities:

Please See Attached

5. Roster of Student Chapter Members:

Please See Attached

Report Submitted by:

Kim Couch
(615) 289-0559
kleouch21@tntech.edu
February 12, 2005

Contents Approved by:

Dr. Daniel Badoe
(Faculty Advisor)
Student Chapter Activities

Meetings:

<table>
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<tr>
<th>Date</th>
<th>Description</th>
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<tr>
<td>11-Mar-04</td>
<td>Speaker: Greg Brown, City of Cookeville Engineer</td>
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<tr>
<td>27-Apr-04</td>
<td>Speaker: Dyan Damron, RPM &amp; Assoc. Brentwood, TN</td>
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<tr>
<td>9-Sep-04</td>
<td>Speakers: Steve Allen, Greg Judy, and Jeff Hammond</td>
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<td>23-Sep-04</td>
<td>Business Meeting</td>
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<td>14-Oct-04</td>
<td>Speaker: Dyan Damron, RPM &amp; Assoc. Brentwood, TN</td>
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<tr>
<td>11-Nov-04</td>
<td>Speaker: Fritz Gerald, Voelker &amp; Associates, Chattanooga, TN</td>
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<td>2-Dec-04</td>
<td>Business Meeting</td>
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<td>27-Jan-05</td>
<td>Speaker: Jason Carder, TTU Graduate</td>
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<tr>
<td>3-Feb-05</td>
<td>Speaker: Bradford Watson, CTE Engineering Nashville, TN</td>
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<tr>
<td>10-Feb-05</td>
<td>Speaker: David Yates, Voelker &amp; Associates, Chattanooga, TN</td>
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Field Trips:
1. Intelligent Transportation Systems of TN DOT
2. Highway Construction Site Visit (Widening of Willow Avenue South of Cookeville, Hosted by Austin Bateman, Highways Inc.)

TSITE Interaction:
1. Frequent contact with chapter liaisons: Dyan Damron and Fritz Gerald
2. Four student chapter members attended the Fall 2004 TSITE section meeting in Pigeon Forge, TN
3. Entry in 2005 TSITE Student Paper Competition

Projects:
1. Booth at the Fall 2004 TTU Basic Engineering fair
2. Safety presentation at local high school (in progress)
## Student Chapter Members
** (Fall 2004-Spring 2005)

<table>
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<tr>
<th>Name</th>
<th>Degree Sought</th>
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<tr>
<td>Barlow, Andy</td>
<td>MS Civil Engin.</td>
<td>May 2005</td>
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<td>Boyd, Marshall</td>
<td>BS Civil Engin.</td>
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<td>Burnette, Rachel</td>
<td>BS Civil Engin.</td>
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<td>Byard, Ben</td>
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<td>Cabbage, Thomas</td>
<td>BS Civil Engin.</td>
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<td>* Chandler, Matthew</td>
<td>BS Civil Engin.</td>
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<td>Corbridge, Addie</td>
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<td>Couch, Kim</td>
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<td>Godwin, Jeremy</td>
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<td>Harr, Laura</td>
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<td>* Hasbrouck, Chad</td>
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<td>King, Tyler</td>
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<td>* Syed, Arshad</td>
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<td>May 2004</td>
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<td>Underwood, Ethan</td>
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<td>* Waller, Jamie</td>
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<td>May 2005</td>
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<tr>
<td>* Yendeti, Murali K.</td>
<td>MS Civil Engin.</td>
<td>May 2005</td>
</tr>
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</table>

* Student Members of the Institute.
TSITE initiated its first on-line voting procedure in 2005.
PROCLAMATION

BY THE EXECUTIVE BOARD

WHEREAS the Tennessee Section of the Institute of Transportation Engineers (TSITE) exists in part to increase and support the fellowship of its members in professional and civic duties; and

WHEREAS members of this organization, past and present, have contributed to the strength of Tennessee in professional endeavors and to the betterment of societies worldwide through active service in the armed forces of this nation; and

WHEREAS Mr. Willis D. Kervin, Jr. is such a member of TSITE who finds it fitting to dedicate his talents in the field of engineering to honorable service for these United States of America and who has continuously been an outstanding representative of TSITE and its ideals across the state,

BE IT THEREFORE RESOLVED by the Executive Board of TSITE with her 2005 membership concurring, that we honor with reverence and awe those persons serving under the flag of the United States of America including our fellow and friend

Sergeant Major Willis D. Kervin, P.E.
Tennessee Army National Guard 278th Armored Cavalry Regiment and we offer our thanks for his great courage and commitment to duty during a trying and perilous time.

BE IT FURTHER RESOLVED that the undersigned Executive Board of TSITE, on behalf of her entire membership, does formally and gratefully acknowledge the many contributions of member Willis D. Kervin to the organization and to the profession of transportation engineering.

Jeffrey L. Hammond, P.E., President
Gregory D. Judy, P.E., Past President
W. Hollis Loveday, P.E., Section Representative
Renny F. Stinson, Affiliate Director

Steve L. Allen, Vice President
John W. Van Winkle, P.F., Section Representative
Anthony D. Todd, Past President
1. We're specialized. ITE prides itself on providing you with opportunities to grow in your profession. While our members come from different backgrounds and have varying interests, we all work directly in the transportation industry. That's an advantage in networking, continuous learning, and tackling the tough issues you face everyday.

2. You'll make a positive difference. Whether speaking at a meeting in Memphis, promoting good legislation in Nashville, working with students in Knoxville, or promoting our profession in any other way all across the state, our members take pride in the organization. We know you're committed to your work, ITE gives you opportunities to build on that commitment by making a positive contribution to society and to your profession.

3. Membership advantages. Look inside for more information!

*TSITE gives our students personal connections to the industry and links working engineers to the latest university research.*

Dr. Marty Lipinski, Civil Engineering Department Chair, University of Memphis

---

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 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.

---

**TSITE 2005 BOARD OF DIRECTORS**

**PRESIDENT**
Jeff Hammond, P.E.

**VICE-PRESIDENT**
Steve Allen

**SECRETARY- TREASURER**
Greg Judy, P.E., PTOE

**AFFILIATE DIRECTOR**
Kenny Stimson

**SECTION REPRESENTATIVE**
John Van Winkle, P.E.

**SECTION REPRESENTATIVE**
Rollins Loveday, P.E.

**PAST PRESIDENT**
Anthony Todd

---

**Invitation to Membership**

---

**TENNESSEE SECTION INSTITUTE OF TRANSPORTATION ENGINEERS**

**Your Professional Green Light**

---

**WHO WE ARE**

The Institute of Transportation Engineers (ITE), an international professional, educational and scientific association dedicated to the planning, design, implementation, operation, and maintenance of surface transportation systems worldwide. The Tennessee Section (TSITE) is just one of over 80 local ITE chapters. TSITE members are Tennesseans responsible for meeting our state’s need for safe and efficient multimodal transportation systems. Our 300 members statewide include:

- city and county engineers
- public works directors
- MPO staff
- county road superintendents
- consulting engineers
- transportation planners
- travel demand modelers
- state highway officials
- equipment suppliers
- construction contractors
- engineering faculty
- transportation researchers
- engineering students
- engineering office managers
- federal highway engineers
- design technicians
- transit directors
- company principals
**WANTED**

1. You’ve got good ideas! The demand for a better transportation system continues to grow amidst an ever-increasing driving population. TSITE needs more interested people to share their ideas, enthusiasm, and experience with us, so that together we can develop practical solutions to the problems associated with this demand.

2. A collective voice is the strongest. As we strive to promote the role and responsibility of the transportation engineering industry, your support makes a difference.

3. Relationships matter. TSITE brings professionals together on many levels. That’s a benefit on your projects and to your career.

**TSITE puts members together on a personal level. Getting to know our customers and their needs is always a benefit.”**

Renny Stinson, Traffic Sales and Marketing, Nashville

“TSITE has helped me to meet other transportation professionals across the state and develop relationships which will likely last for my entire career.”

Jason Carder, Consultant, Kingsport

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**组织的好处**

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<td>半年和每月举行的TSITE和本地交通会议的参加</td>
<td>✓</td>
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<td>收到ITA的12期期刊</td>
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<td>参与专业委员会</td>
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<td>享受ITA的出版物、保险和其它利益</td>
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**成员活动**

我们的成员享受这些每年的机会...

- 季刊技术会议
- 正式和非正式的月度会议
- 在Nashville, Chattanooga, and Knoxville的月度会议
- 南方区和TN的会议
- 与其它专业组织的现场会议

**服务结构**

- 审计
- 奖项
- 职业发展
- 赞助
- 立法
- 部门关系
- 技术

**申请加入**

作为本地会费：填写申请表并邮寄至与您支付的会费。您将会支持TN的交通，$5将直接资助TSITE的奖学金。

作为国际会员：联系ITE国际，202-889-0222或www.ite.org/membership获取申请表和支付信息。

**组织**

**Why You’re Wanted**

1. You’ve got good ideas! The demand for a better transportation system continues to grow amidst an ever-increasing driving population. TSITE needs more interested people to share their ideas, enthusiasm, and experience with us, so that together we can develop practical solutions to the problems associated with this demand.

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Renny Stinson, Traffic Sales and Marketing, Nashville

“Being involved with TSITE has helped me to meet other transportation professionals across the state and develop relationships which will likely last for my entire career.”

Jason Carder, Consultant, Kingsport

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**What’s in it for you?**

<table>
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ENCOURAGING PROFESSIONALS TO TEACH UNIVERSITY LEVEL CLASSES

Stephen E Meyer, P.E.1

Edwin P. Foster, Ph.D., P.E.2

Abstract - Active participation of professionals in teaching college classes can provide college students an insight to what a profession in the class topic might involve. The process of identifying the problem, knowing the process for determining the solution, and having the tools to provide that solution is something that professionals in the field do every day. This paper concerns the approach that was taken by the University of Tennessee at Chattanooga and several civil engineering professionals to provide a teaching environment to university students in the transportation engineering field by those who provide engineering design solutions on a daily basis.

This paper presents the process of recruiting professionals, selecting the topics to be taught by those most familiar with the topics, setting the schedule for the class, coordinating the numerous administrative activities that had to take place for the execution of quizzes and exams using five professional engineers as professors.

Keywords: adjunct instruction, coordinated instruction, team teaching

INTRODUCTION

Growing and supporting an academic program is always a challenge for universities across the United States. With limited funding and a small student demand, academic administrators to look for creative ways to build a program by providing a strong academic curriculum. The University of Tennessee at Chattanooga (UTC) School of Engineering in late summer of 2004 desired to have an introductory transportation class (ENCE 362 Transportation I) taught to continue their efforts in providing a transportation specialty for their civil engineering graduates. In the past the Civil Engineering Program was able to find an engineer in industry to teach its transportation classes, but the time required for preparation and teaching the class left no individuals who wanted to commit the time and effort necessary for such a small compensation.

The second author discussed the need for an adjunct professor with many individuals in the Chattanooga community, but none were able to set aside the time to teach the class. The first author suggested that a team approach to the problem be used. Due to his business commitments, he would be out of town many of the days when class was to be taught. He would not be able to teach the class, but he did agree to recruit several transportation professionals and would become the program coordinator (PC).

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2005 ASEE Southeast Section Conference
PROGRAM APPROACH

The UTC School of Engineering requires that adjunct professors have a Master’s Degree in their field to teach undergraduate classes. This narrowed the field of potential instructors available for class instruction. Several contacts were made. The primary discussions surrounded the amount of time that would be needed to teach the class. Each individual expressed that the time commitment was too great for him or her individually but they offered to help on a part time basis. They were told that a team teaching approach was going to be used. Because the teaching responsibilities would be spread amongst several instructors, the time commitment was workable. They were very motivated to teach because they enjoy their profession and wanted to show students that the profession was challenging and rewarding. Five transportation engineering professionals with master’s degrees in civil engineering agreed to teach up to six classes each during the fall semester of 2004. Of those five instructors, four were registered professional engineers and one was an engineer in training. The number of years of experience in the group amounted to over 80 years.

Time was very limited for preparation of the class topics, syllabus, selection of a textbook, and class schedule which were all critical for a successful class. Three weeks before the class was to begin, the five instructors, the PC and the second author met to lay the groundwork for class instruction. For the next two hours the instructors discussed all that was necessary to conduct the introductory transportation class. Once again, due to the limited time for preparing the class, it was decided the textbook that was available at UTC would be used. The text was Transportation Engineering Planning and Design, 4th ed., Wright and Ashford, 1998.

The semester would last from August 24 through December 2, 2004. There would be a total of 29 seventy-five minute classes. It was decided to have five examinations and a course final that would cover all the material covered during the semester. Several instructors brought the syllabus they had received when they took a similar course. Others reviewed class descriptions from other civil engineering programs across the nation. Much discussion took place on which topics would be covered and in what depth. The instructors expressed their desire on what topics they preferred to present. It was decided to give closed book closed note tests and to provide the students with all appropriate tables and figures. The syllabus went through several revisions over the next week which included references, how many tests would be given, how the tests would be given and how much weight would be given to homework and quizzes. The instructors’ names, office telephone numbers and email addresses were listed to allow communication for the students. The final syllabus is listed below.

ENCE 362
TRANSPORTATION ENGINEERING I
FALL 2004


Roadside Design Guide
Manual of Transportation Engineering Studies (MTES)
Roundabouts: An Informational Guide (RAIG)
A Policy on Geometric Design of Highways and Streets, AASHTO
Class notebooks will be required for this course. Keep all class notes, homework problems, exams, and quizzes in this notebook. It will be turned in on the day of the final exam. (This will be returned to you at a later date.)

All exams will be closed book and closed notes. Any necessary equations or charts will be provided to you on the exam. DON’T MISS EXAMS! Any make-up exams, if deemed necessary, will be significantly harder!

Quizzes may be given at the beginning of each class and will cover the reading assignment for that day’s lecture material. The lowest quiz grade will be dropped.

Final Exam will be closed book and closed notes. It will also be multiple choice questions. All other exams will have random questioning from essay to problem solving to fill-in-the-blank.

All homework assignments must be turned in before lectures begin. All late homework will have automatic deduction in grade.

Grading:

- Final Exam - 30%
- Exam 1 - 5 - 50%
- Homework - 10%
- Quizzes - 5%
- Class Notebook - 5%

Instructors:

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<th>Name</th>
<th>Organisation</th>
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<tr>
<td>Stephen Meyer</td>
<td>Volkert &amp; Associates, Inc.</td>
<td>423-842-3335</td>
<td><a href="mailto:smeyer@volkert.com">smeyer@volkert.com</a></td>
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<tr>
<td>Program Coordinator</td>
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<tr>
<td>Bill Allen</td>
<td>Transportation Planning at North GA</td>
<td>706-272-2300</td>
<td><a href="mailto:tpc@ngrdc.org">tpc@ngrdc.org</a></td>
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<td>423-842-3335</td>
<td><a href="mailto:fbrogdon@volkert.com">fbrogdon@volkert.com</a></td>
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<td>Karen Headlee</td>
<td>Volkert &amp; Associates, Inc.</td>
<td>423-842-3335</td>
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<td>David McFarlin</td>
<td>Volkert &amp; Associates, Inc.</td>
<td>706-278-9288</td>
<td><a href="mailto:dmcfarlin@volkert.com">dmcfarlin@volkert.com</a></td>
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<tr>
<td>John Van Winkle</td>
<td>Chattanooga Traffic Engr.</td>
<td>423-757-5005</td>
<td><a href="mailto:vanwinkle@mail.chattanooga.gov">vanwinkle@mail.chattanooga.gov</a></td>
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<td>Roadside Design</td>
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<td>Chap. 13, pg. 392-397</td>
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<td>Traffic Control Devices</td>
<td>Karen Headlee</td>
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<td>Review Class for Final</td>
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**PROGRAM IMPLEMENTATION**

Early in the process there was the realization that coordination between the instructors was going to be critical to have a successful teaching environment. There was also a large amount of reading required by the class and there was no time to get all the publications into the campus library. The PC requested that all instructors either send to him their respective readings in a PDF format or send the documents to him for scanning and creating a PDF document. Each of the documents was copied to a CD and given to the second author who then created 18 CDs, one for each student in the class. This way each student would have the reading materials for each class available on any computer.

The decision to have quizzes before a class period was suggested to encourage students to read the class assignment before the class period. A problem arose in returning the quizzes due to the number of changes of instructors during the course. A system was devised to have the grading instructor transport the tests back to a campus mailbox. The next instructor had to be reminded that the previously graded papers were available for distribution.
This created a problem not only for quizzes but for questions in general. When there is not a consistent instructor available on campus, how do you answer students’ questions? If the questions were straightforward, the instructor in the classroom answered the question. If the instructor could not answer the question, the student had to contact the instructor who precipitated the question in the first place. In most instances the students used email to get their questions answered.

One thing that was observed during the teaching process was that with the numerous references, homework problems presented the need and the practice for students to understand where to go and how to use the references as it is practiced by engineers on the job. This is a process the professionals use daily during their work day and were able to convey during the class period.

Developing and grading of exams created another challenge. The PC would send an email at least a week in advance of an exam to the instructors who taught the respective classes since the last exam. The length of the exam was seventy five minutes, so the length of time they were allowed for exam questions was determined by dividing the number of classes they taught into seventy five. The PC would then receive questions from each instructor and have them copied to the exam. Also the answer key was to be sent to the PC which would be given to the students after the exam. Because each instructor had to grade his or her questions, those questions of that instructor had to be placed on separate sheets on the exam. After the exam each instructor received the appropriate pages to grade. The exams were then put back together, points added up and total numerical grades were written on the front of the exam. The PC then returned the exams to the campus mailbox for distribution. This turned out to be a very time consuming process and since the class only met on Tuesdays and Thursdays, it could be a week before the test was returned.

**PROGRAM RECOMMENDATIONS**

At the time of this publication the class is still being taught, so the final assessment of its success or failure will be made in the near future. However a few lessons can be passed on now.

1. Select your instructors as early as possible for the class.
2. Start selecting the textbook and readings at least 3-4 months before class is to begin to allow for textbook and publication ordering and delays.
3. See what you can do to compensate the professionals for the time and effort required. This will increase the potential number of recruits you will find who will commit to the endeavor. Universities might consider special foundation grant monies. Another possibility would be to have local engineering firms donate gifts to a fund for the project. They will definitely benefit by hiring more qualified engineering students from the program. Another option is to have individual engineering professionals also donate to the fund for special instructional programs.
4. When recruiting, make sure the PC is aware of all of the latest teaching tools available at your institution and how they could be used. Provide instruction as needed.
5. Make sure the PC sets aside plenty of time for coordinating multiple professionals.
6. The PC needs to establish and maintain communications between professionals for smooth operations.
7. If there are special laws, rules or guidelines instructors should be informed on what those are. In this case there were requirements from ABET for which the instructors had to conform.
8. When preparing for the class instruction, make sure any prerequisites necessary for students to successfully take the course are identified and listed as prerequisites for the class.
9. Do not allow professors to overload students with reading materials outside of their textbook. Supplementing the textbook is necessary for some topics, but making students responsible for materials that aren’t readily available to them is not always fair. Providing one copy of that book in the library is not sufficient if you have more than just a few students in a class. Have professors introduce the supplemental handbook and build on the topics out of their original text.

10. Tell your instructors that the instructions for homework should be very specific. When a 1000-page manual is made available and a question is asked about how important is this material – do not answer “everything!” The students really want to know which pages should be read and studied in detail.

11. Professors should be aware of the time and effort that is involved in giving students feedback. Whether grading homework or exams, professors should be responsible for providing the students a quick turnaround for grades and be as available as possible to answer questions.

12. Give each instructor and each student an email address list of all students. Then when a student asks a question by email all other students should be copied. The instructor should then click on “Reply to All” when answering the question.

CONCLUSIONS

The primary purpose of the program presented above was to recruit professionals to teach college engineering classes and provide a quality classroom experience for the students. Recruiting the professionals to teach the class was not nearly as difficult as coordinating the class content presentation and providing a consistent method for instructors and students to communicate outside of class time. Overall, the response from the instructors was positive and a number of students indicated that their experience with professionals in the field added to their learning experience. Of the eighteen students in the class, there was only one D and one F awarded at the end of the semester.

Another concern was the compensation which is often offered for instructors to come in on a part time basis. The amount of experience the instructors had for this course was over 80 years in transportation engineering and professional engineering licenses. Currently the compensation for the class is $1500 for preparing the class content, reviewing homework, making and grading tests and providing consultation to students. If two hours were assigned for preparing for each contact hour of 28 classes (which was less than it actually took) and 1.25 hours for instructing the students for each class period there was a total of (28*1.25*3) or 105 hours. For a professional engineer with a Master’s Degree with at least 10 years of experience to provide consulting services you would expect to pay $100 per hour as a minimum. The cost for consultation would be 105* $100 or $10,500 as a minimum. This should be taken into consideration the next time you want to have professionals come teach your engineering classes as an adjunct instructor.
Biographical Information - Stephen E. Meyer, P.E. is an Assistant Vice President at Volkert & Associates, Inc. located in Chattanooga, Tennessee. He received a Bachelor of Science in Engineering from the University of Tennessee at Chattanooga graduating Magna Cum Laude with Honors in Engineering and received his Master of Science Degree in Civil Engineering from the University of Minnesota. He has several publications in transportation journals. He has practiced transportation engineering for over 30 years. He is a Registered Professional Engineer in 14 states and serves on several professional and community boards of directors. He is a member of ITE, ASCE, IMSA, NSPE and ACEC.

Biographical Information - Edwin P. Foster, PhD, P.E. is Professor of Civil Engineering and Director of the Graduate Engineering Program at the University of Tennessee at Chattanooga. He received his B.E., M.S. and Ph.D. from Vanderbilt University with a year of postgraduate work at the University of Illinois at Urbana. He has over fifty publications in five countries and has been with the University of Tennessee for thirty-six years. He has worked for American Bridge Division of U. S. Steel in Cocoa Beach, Florida; Brown Engineering in Huntsville, Alabama. He was a NASA-ASEE Summer Faculty Fellow and is a member of ASCE and ASEE.