



South Carolina Section Report District 5 ITE Board Meeting November 16, 2009

South Carolina Section ITE has a total membership of 127, including 72 voting members and 55 students. Through the leadership of our Section Board, we have had a great year in 2009 that included a host of activities to serve our members, enhance our profession, support students, and benefit the traveling public of the Palmetto State. The following provides an overview of our Section activities during 2009:

I. Current Officers and Committee Chairs

President	Jae H. Mattox, III, PE
Vice President	Bryan D. Webb, PE, PTOE
Secretary/ Treasurer	Jeffrey J. Ingham, PE, PTOE
Technical Chair	Sunny Nandagiri, PE, PMP
Membership Chair	V. Carol Jones, PE
Student Chapter Coordinator	Wayne A. Sarasua, PhD, PE

Others:

Past President:	Hesha Gamble, PE, PTOE
Community & Outreach Chair:	Mike Ridgeway, PE
Section Representative:	William J. Davis, PhD, PE
Affiliate Director:	Don Turner, PE
Nominations/Awards:	Hesha Gamble, PE, PTOE
Scholarship:	Gaye Sprague, PE
Social / Golf:	Don Turner, PE & Mike Ridgeway, PE
Newsletter Editor:	Jae H. Mattox, III, PE
Website:	Berry Mattox, EI (refer to www.scs-ite.org)

II. Treasurer's Report – Jeffrey Ingham

Checking Account:	\$ 7,000
Stafford/Clark Scholarship Fund:	\$26,500
Rowe Scholarship Fund:	\$23,600

III. Fall Meeting - Scholarship Golf Tournament, September 3

Mike Ridgeway and Don Turner, with the help/support from Section members and local companies, organized this year's SC ITE Section Scholarship Golf Tournament. The tournament was held at the Northwoods Country Club in Columbia on September 3, 2009 and by any account this year's scholarships tournament was a huge success. SC's Secretary of Transportation, Buck Limehouse was the keynote speaker during the event luncheon. Howard Chapman presented a Life Membership Certificate to Fred McGary and Hesha Gamble presented the ITE Newsletter award to Jae Mattox. 35 sponsors helped support the event and fundraising activities, which raised \$7,000 for the scholarship fund. There were a total of 64 participants along with other ITE member volunteers. Organizers can't thank everyone enough for their generosity and contributions in countless ways. First Place Winners of the Tournament was the team of John Carroll (Collins Engineering), Tucker Creed (SCDOT), Jae Mattox (SCDOT), and Jim O'Connor (Collins Engineering). Their names will be engraved on the

Don Turner Championship Jug. Don has served as tournament Co-Chair and contributed in countless ways to making the tournament and SC ITE activities a success. Don is retiring after 38 years of service with SCDOT.

IV. Summer Meeting – University of South Carolina, June 16

The Summer Section meeting was held June 16 at the University of South Carolina's Swearingen Engineering Center in Columbia, South Carolina. The meeting included a catered luncheon and a technical presentation. 45 members and guests were in attendance. The technical presentation for the Summer Meeting was an ITE web-based seminar on the "Operational Effects of Geometric Design". This seminar, sponsored by Sprague and Sprague Consulting Engineers, was led by Robert K. Seyfried, PE, PTOE, FITE and covered a variety of topics including the functional classifications of roadways, horizontal and vertical design controls, sight distance, roadside obstacles, and intersection channelization. The seminar was very informative and great way to earn those all important professional development hours. Thanks to Gaye Sprague for sponsoring this event and to Nathan Huynh and USC for their hospitality. Without their support, this event would not have been possible.

V. Spring Meeting – SC State University, March 24

The Spring Section meeting was held at SC State University and was co-hosted by their newly established ITE student chapter and James E. Clyburn University Transportation Center. 44 members and guests were in attendance including SDITE Past President, Craig Hanchey, who was on hand to officially welcome and congratulate the SC State University ITE Student Chapter with the presentation of a certificate from the SDITE Executive Board. The meeting was highlighted by two outstanding research presentations by graduate students from SC State and Clemson on "Hydrological Modeling and Roadway Flooding in Rural Areas" and "Elimination of Roadside Hazards in SC."

VI. Vendor Day – Hosted by SC Section ITE, October 8

SC ITE member Liz Carpenter organized the first of its kind in South Carolina, Vendor Day for traffic-related exhibitors hosted by SC Section ITE. The event created with the intention of providing city and local governments, transportation consultants and SCDOT roadway and signal maintenance personnel an opportunity to meet traffic equipment vendors and see the latest and greatest technology applications. The program included 28 traffic-engineering vendors, luncheon and technical program with four presenters. This was a fantastic opportunity for engineers to see what technologies are available and for foremen/field crews to speak directly with the vendors who manufacture equipment (signal systems, signs & markings, work zone safety, software) they use and rely upon daily. There were 165 participants at the event held on Oct. 8 at Brookland Conference Center in W. Columbia, including City, State and County Engineers, Technicians, Supervisors and Field crews; Consulting Engineers; and University staff. The technical program included the following presentations:

- Vegetation Control for Safety – a Dr. Burati, Clemson University
- ADA Mobility Accessibility – Dr. Jennifer Ogle, Clemson University
- Improving Corridor Operations with Super Streets – Lori Mahany, Stantec
- Congestion Management Plan for Malfunction Junction – Dipak Patel - SCDOT

VII. 2009 School Outreach Initiative

Mike Ridgeway Coordinated a School Outreach Initiative as part of the SDITE Information, Communications & Outreach Committee. The goal was to get as many people as possible to give a talk or presentation to a group of students about Traffic Engineering and the Transportation engineering

profession. The age of students and topics are open to fit what opportunities the membership finds in their local area. Here is a summary of the presentations provided through this initiative:

- Greenville, Greenville High School – Gaye Sprague
- Columbia, Brennen Elementary, 5th graders – Mike Ridgeway
- Beaufort, Elementary School students – Colin Kinton
- Columbia, SC State Museum Career Day, Girls in Science ages 10-14 – SC DOT
- Greenville, Summer Program – City of Greenville
- Chester, SC DOT Career Day – Elizabeth Carpenter

Approximately 240 students directly participated in one of these events. The benefits of increasing the visibility of our profession to schoolchildren are an obvious connection for our organization. Plans are already under for next year’s initiative.

VIII. 2009 Best Section Newsletter Award

The ITE Section Newsletter Award recognizes the sections that during a specific period of time produce the best newsletter. Since 1986, the awards have been presented in three categories, based on size of circulation. The Spring 2009 Edition of the Driver (Volume III, Issue 1) was named the 2009 Best Section Newsletter for circulation under 250. This is the first time our section has received this honor. SCSITE was at the Honorees Banquet during the 2009 ITE Annual Meeting in San Antonio, Texas. The first edition of the Driver was published under the direction of the editor Jae Mattox in the Fall of 2007. Since then, the newsletter has been published quarterly. All past editions of the Driver have been archived on the SCSITE website at www.scs-ite.org The Driver has been instrumental in the growth and success our section has experienced in the last few years.

IX. ITE Southern District (5) Annual Meeting – Birmingham, AL

Highlights from the 57th Annual Southern District (5) meeting held in Birmingham, AL included great representation of SC ITE, with a 23-member delegation. Bryan D. Webb (SC ITE Vice President) accepted the 2008 Group II, Outstanding Section Award on behalf of SC ITE during the Awards Banquet. SC ITE member Mike Ridgeway was recipient of the Joseph M. Thomas Outstanding Young Member Award. Clemson University traffic bowl team members, Gabe Dobbs, Jonathan Dillon and Vijay Bendigeri, won the William Temple Scholarship Challenge Traffic Bowl (it’s the forth-straight year Clemson has won) and received a \$1,000 scholarship from the Associated Business Division (ABD). Clemson ITE Student Chapter won the Southern District (5) Outstanding Student Chapter Award for the sixth straight year. The student leaders, student membership, and chapter advisors, Dr. Wayne Sarasua and Dr. Jennifer Ogle, greatly deserve the recognition they received for their meritorious work on behalf of the transportation profession. Wil Ravenhorst and Gaye Sprague presented findings from West End Baseball Field Shared Parking Analysis, which was conducted as a SC Section ITE technical project, as part of the conference program.

X. Student Chapter Activities

Institution	Advisor	Major activities
Clemson Univ.	Dr. Wayne Sarasua	service projects & meetings
Univ. of South Carolina	Dr. Nathan Huynh	meetings & forums
South Carolina State Univ.	Dr. Yuanchang Xie	seminars & technical projects
Citadel (student members)	Dr. William J. Davis	traffic service project

Clemson Univ., ITE Student Chapter - The Clemson Student Chapter has had a year that included a hugely successful trip to the SDITE 2009 Annual Meeting. Chapter activities focused on a number of service projects, professional development, and lots of fun on the following projects:

- The new officers are Lee Tupper, President; Kat Bartman Vice-President, and Sara Familian, Treasurer. After our kick-off meeting in early September, a social was held on Lake Hartwell. Several students tried water skiing with mixed success. The chapter conducted an adopt-a-river trip on a 5-mile section on the Saluda River in canoes. A pick-up truckload of garbage was removed from the river. Recent homecoming activities during Halloween weekend included a table of games that were visited by trick-or-treating area children. Other activities include conducting ride checks on Clemson Area Transit busses and planning for upcoming pedestrian counts in downtown Greenville. The chapter is also involved in a fundraiser assisting the athletic department with traffic management before football games.
- The Chapter volunteered to help clean up a pedestrian nature trail at Clemson Elementary School on Sunday, February 8. Students and advisors helped by clearing the trail of leaves, cutting weeds, sawing branches, and posting information signs at locations along the trail with different types of vegetation.
- Chapter co-advisor Dr. Jennifer Ogle and ITE Chapter members Johnatan Dillon, Yan Zhou, Sara Familian, Sara Khoeni, Tahera Anjuman, and Priyanka Alluri, in association with International Students Association (ISA) volunteered for the Girl Scouts World Thinking and organized an event on campus promoting world cultures. 50 girl scouts and 20 parents participated in the 2-hour event. Girl scouts learned about the life Japan, the dresses worn in Bangladesh, using chopsticks, doing a Turkish dance and a Scottish dance, and singing a Spanish song. All of the girls took home their name written in 6 different languages.
- Nine ITE members visited the Greenville Transportation Management Center (TMC) with Dr. Ronnie Chowdhury. Dan Campbell from SCDOT discussed South Carolina's ITS initiatives and explained how the TMC monitors and controls roadway traffic through the use of traffic cameras, radar detectors and dynamic traffic signs.
- Student Chapter members participated in Clemson Elementary School's International Festival, sponsoring the tables for Iran and Bangladesh. Chapter members Sara Khoieni and Tahera Anjuman cooked and served delicious food at the festival, and helped raise money for the school's PTA. This is the fifth consecutive year that the Chapter had sponsored a table(s).

South Carolina State Univ., ITE Student Chapter - The SCSUITE student chapter members have had a busy year including the following activities:

- Oregon Department of Transportation (ODOT) visited South Carolina State University and conducted several class visits and an information session on career opportunities within ODOT. Over 100 students from the College of Engineering, Math & Science participated in the information session and class visits. Mr. Edward Starks, a graduate student in the Master of Science in Transportation program and also a SCSUITE student chapter member, interned with ODOT during the summer 2009.
- 25 members of the SCSUITE student chapter visited the SCDOT Traffic Management Center in Columbia on Feb. 25. Mr. Henderson Jeffries and his colleagues showed the students the center and the traffic surveillance system, which consists of over 300 hundred video cameras installed along major interstate highways in the State of South Carolina.
- The student chapter helped organize the 2009 SCSUITE Spring Meeting held on SCSU campus on March 24, which was sponsored by the James E. Clyburn University Transportation Center. Mr. Craig Hanchey, the immediate past president of the Southern District ITE, presented Mr. Dirk Francis a certificate and officially recognized the SCSUITE student chapter.

- On April 14 Lieutenant Lillard Evans, an alumnus of SC State University, gave a lecture on transportation logistics. He has worked in the transportation logistics field for the U.S. Army for over 20 years and used numerous real world examples. Students were very interested to the point of applying for transportation logistics internships with the U.S. Army.
- On April 22 Mr. Joseph Sturm, Mr. Joey Riddle, and Mr. Mike Sawyer from SCDOT provided a lecture on traffic safety that was very informative and was well received by the students.

Mr. Shaun Hemingway spent his summer doing an internship with the Federal Highway Administration at the Department of Transportation Headquarters in Washington, D.C., and Mr. Dirk Francis spent a summer working on a research project entitled “Development of a Real- Time GIS/Hydrology Flood Warning System for First Responders in Rural Areas in South Carolina,” which was funded through SC State’s 1890 Research & Extension.

Univ. of South Carolina, ITE Student Chapter - Hosted The Summer Section meeting was on June 16 at the University of South Carolina’s Swearingen Engineering Center in Columbia, South Carolina. The meeting included a catered luncheon and a technical presentation. A student chapter meeting was held on October 14, 2009. Mike Ridgeway of SRS Engineering spoke to those in attendance about ITE, how he is involved in ITE both locally and with the Southern Region, and the opportunities we would receive by joining ITE. Officer elections were held and the new officers are:

- President: Megan Hyman,
- Co-Vice Presidents: Greg Moore and Adam Payne
- Secretary/Treasurer: Beth Quattlebaum

The Citadel, ITE Student Members - Over homecoming weekend, Nov. 6, Deep South ITE member and Citadel alumnus, Mr. Robert Canfield spoke to ITE student members on his unique perspective of the traffic engineering field and crucial emerging issues drawing from the wealth of experience he gained through his service to the profession during his 25-yr tenure as City Traffic Engineer of Baton Rouge, engineering consultant, and active member of ITE. It was a fantastic opportunity for Citadel ITE student members to hear from an iconic figure and member of Southern Section ITE.

Citadel ITE student members, Alex Wilson, Phillip Marino, Bruce Rasmussen, Preston Dukes and Joe Robertson, have been involved in a number of transportation research projects including:

- Data collection for SC DOT’s research project on “Guidelines for Longitudinal Pavement Marking Applications,” being conducted via a partnership with Clemson University, involving a sample-based study of pavement marking retroreflectivity on primary and secondary roads located across South Carolina.
- Research study being conducted with MUSC, Department of Pediatrics, entitled “Evaluation of Childhood Obesity & Built Environment Factors Surrounding Elementary Schools in Charleston County, SC” involving a case study analysis of 9 local schools.
- Multi-Use trail user counts, manual classification counts, (e.g., bikers, walkers, runners, etc.) and intercept surveys, being conducted in Charleston on the West Ashley Greenway, Ashley River Road Bike Path and in Durham, NC on the American Tobacco Trail. The purpose of the research is to develop a better understanding of daily trail use and optimal design elements for multi-use paths in urban areas.

ITE student members are continuing work on the Isle of Palms Marina Traffic Study, a service-learning project involving a traffic, parking and circulation study. Critical feedback from the Mayor and City Council was received during a presentation to the Property Committee on May 5, 2009 and students are working to develop three preliminary site improvement layouts for presentation to the public at a City Council meeting this Fall.

XI. SC Section History, 1953-2009 – Jae Mattox

In 1953, the Southern Section officially gained its charter from ITE. The new section included Alabama, Arkansas, Georgia, Kentucky, Louisiana, Mississippi, South Carolina, North Carolina, Tennessee, and part of Virginia. Several people from South Carolina were actively involved with the Southern Section. South Carolinians who served as President of the Southern Section include: William T. Young (1966-1967), Harold Raynor Jr. (1971-1972), Robert Roberts (1976-1977), Cyril B. Busbee Jr. (1982-1983), and Howard Chapman (1985-1986).

Individuals from the 9 states that made up the Southern Section formed local sub-units called Divisions. The South Carolina Division began operations in 1969. The ITE Constitution drafted in 1971 created a District government structure. Harold M. Raynor, a member of the SC Division, was a member of the delegation at the constitutional convention and was a key architect in the development of the District structure. Reorganization began, boundaries were re-drawn and in 1988 The Southern District (District 5) gained its charter. Once this occurred, the South Carolina Division was elevated to Section Status and signed its section charter in 1989. Past Presidents of the Southern District from South Carolina included Gaye Sprague (1993) and Colin Kinton (2007). The Southern District also has a representative who served on the International ITE Board of Direction. Gaye Sprague served in this position from 1997-1999.

Since the beginning of the Southern Section, and later the Southern District (5), South Carolina has served as host of several Annual Meetings including:

1966 – Southern Section 14th Annual Meeting, Columbia, E.L. Walker Jr., Chair

1974 – Southern Section 22nd Annual Meeting, Charleston, G.E. Lohr, Chair

1982 – Southern Section 30th Annual Meeting, Charleston, Howard Chapman, Chair

1992 – Southern District 40th Annual Meeting, Columbia, Michael Sexton, Bud Hubbard, Co-Chairs

2000 – Southern District 48th Annual Meeting, Greenville, Roger Dyar, Chair

2008 – Southern District 56th Annual Meeting, Charleston, Jeff Davis & Colin Kinton, Co-Chairs