President’s Message
By Slade Exley (Deep South)

What a great meeting we had in Montgomery! I want to take this opportunity to thank the Local Arrangements Committee Co-chairs, Nancy Hudson and Bubba Bowden, along with the rest of the Local Arrangements Committee members for their hard work and excellent efforts to host a very successful District Annual meeting. Unless you have been involved in the planning and execution of an Annual District meeting, it is hard to appreciate the amount of work and time it takes to host a meeting of this size. Thanks again to all who worked so hard and to all members and friends who came to support and enjoy the committee’s efforts. We look forward to Greenville next year!

My Thought for the Year

There is one thought that I would like each member to consider taking action upon this year. For those of you who attended the Annual meeting banquet in Montgomery, you have heard this before, but let this serve as a reminder and an opportunity to evaluate what you may have done to address this thought. For those of you who did not attend the banquet, please consider taking action on these thoughts.

While trying to relax in my hotel room in Greenville the night before the year-end Board meeting and reflecting on what I wanted to focus upon as a theme for this year, I ran across a magazine article in my Model Railroader magazine that really struck me with what I want to emphasize this year. My passion for model railroading and love of trains has given me a lifelong hobby and an outlet for stress. The article reinforced our need to “give something back.” The theme of the article was perhaps each of us could find ways to give back something to our hobby that has provided us so much satisfaction and enjoyment.

While reflecting on this article, the thought stuck me that this idea is true for how we as leaders should treat our profession. Over the years, we have obtained talents, skills and knowledge that we should share with others and give back to our profession some of what it has given us.

We have been the beneficiaries of education, courses, on-the-job experience and professional relationships that have allowed us to enjoy very satisfying and enjoyable careers. We must seek out opportunities to give back to the profession some benefits that we received as we were progressing through our careers. This is not to insinuate that I am old, tired, and about to retire! Not at all. I still hope those of you with more knowledge and experience will continue to nurture and mentor me though the rest of my career and will also be a very positive influence on our younger professionals. Throughout my career, I have been fortunate to be influenced by several people who emphasized to me the importance and need to be active in ITE and remain strong in my profession.

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The six points of the article are listed below along with my brief thoughts of how each point applies to our profession. I request you reflect on these points and see how they fit the activities you are involved in outside of going to work each day.

1. **“Enthuse a kid.”** — Despite where we are in our careers, we always have the opportunity to train and mentor others. Our Career Guidance Committee under the leadership of Jim Epps has served us to support opportunities to speak to grammar and high school kids to acquaint them with the engineering profession. There is so much more we could do further to educate students to the great career opportunities transportation engineers have.

2. **“Invite the neighbors.”** — We should invite our co-workers to become involved in professional organizations such as ITE and share our knowledge and education with them. Technology transfer has been emphasized in the transportation profession over the past ten years or so. While most states have organized formal technology transfer programs, we individually should share our profession with our friends, neighbors and family so they are more aware of what we are attempting to accomplish through our work.

3. **“Join a club.”** — In our case, join ITE. We are not a club, but we do offer many friendship, networking and fellowship opportunities. These are important for us to develop relationships that will help us advance in our careers both technically and professionally.

4. **“Write an article.”** — Submit an article for publication. We always need you to share what you know. I invite you to seriously consider submitting an article to the District annual best paper award competition, to the *ITE Journal* or to your Section’s newsletter.

5. **“Help organize an event.”** — Whether it is arranging for a few local professionals to get together monthly for lunch to talk about what is going on around your city or helping to be host to a District annual meeting, you can provide a very valuable service to organize an event. Be willing to serve in a leadership role and serve on a committee. Events such as this always need good leadership and many committees so a few people do not have to carry the entire load.

6. **“Give a clinic.”** — Be a presenter, even if it is just to a small local group. Submit a paper for presentation or share your ideas on issues needing attention and your suggestions for how they may be addressed. There are many opportunities to conduct workshops and make presentations so we can share our knowledge and experience with others. Volunteers are always needed as speakers and programs for civic groups, school groups, and professional organizations.

I challenge you to evaluate how you are doing and identify where you could become more involved. It is evident from some of our section annual reports that some of our members are very involved in giving back to the profession. I hope you will find an opportunity to do so or will keep it up if you are already involved.
A SURVEY OF TRANSPORTATION PLANNING PRACTICES IN STATE DEPARTMENTS OF TRANSPORTATION

By Gene Arnold (Virginia)

The Intermodal Surface Transportation Efficiency Act (ISTEA), and now its successor the Transportation Equity Act for the 21st Century (TEA-21), have fundamentally altered the transportation planning process, providing both new opportunities and new challenges for state and metropolitan planning organizations. There are numerous ways in which any given state department of transportation (DOT) can organize itself, allocate responsibility, manage manpower, and establish procedures and practices to most effectively perform tasks associated with the planning process. The Virginia Transportation Research Council undertook a project to survey the transportation planning practices in state DOTs, document the findings, and identify potential practices that might be considered for use by the Virginia DOT. The practices investigated and discussed in the report include the:

- Organization and management of transportation planning
- Coordination between the DOT and the Metropolitan Planning Organizations (MPO)
- Public involvement procedures for transportation planning activities
- Procedures for intermodal planning and congestion management
- Use of consultants for transportation planning activities

Thirty-eight DOTs responded to the survey. Summary findings are presented, a comparison of VDOT and other DOT practices is made, and potential practices to enhance transportation planning in Virginia are identified. A copy of the final report can be obtained from Gene Arnold, who can be contacted at 804/293-1931, FAX 804/293-1990, or email at garnold@vdot.state.va.us.

International Director’s Report

By Gaye Sprague (South Carolina)

It continues to be a pleasure to represent you on the International Board of Directors of ITE. Our Sections and our District are active and productive, and I am proud of what you all do for our profession.

It is an exciting time at international ITE. We continue to serve our members, our profession, and the public through input to the FHWA on the renewed emphasis on traffic operations. The website continues to be a service to members and a method of outreach to nonmembers. Finances are good, and attendance at meetings continues to be excellent.

Here are few highlights of the March Board meeting:

- Chapter Services are expanding.
- Agency membership is growing, but there are many other agencies that could take advantage of the benefits of this program. Please encourage this membership in your sections, and let me know if you need materials or other help in promoting agency membership.
- Gene Wilson and Frank Turner were elected as Honorary Members of the Institute.
- The 2007 ITE Annual Meeting will be held in Pittsburgh.
- The certification exam was given in January. Those passing the test and those who have passed the California test (and, of course, meet the other requirements of certification) who applied for and were granted certification numbered about 160.
- The joint effort of ITE and FHWA in ITS Professional Capacity Building continues in 1999. Lists of available seminars are available through Russell Houston at headquarters. A grant pays for instructors and materials, and the local sponsor is respon-

2000 Officers Elected

At the Annual Meeting in Montgomery, AL in April, the following District officers were elected:

President: Kenny O. Voorhies (GA)
Vice President: James A. Meads (AL)
Secretary-Treasurer: John W. Van Winkle (TN)
Past President: Slade F. Exley (DS)
International Director: James R. Atkins (NC).

Congratulations to our newly elected officers!

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Vice President’s Report
By Kenny Voorhies (Georgia)

The Vice President’s year is one of preparation and not much activity. As membership committee chair I am working with the membership committee to check over each section’s rolls and encourage any members whose membership has lapsed to pay dues and become active. I am also in progress of submitting the District’s IRS forms for 1998.

Most of my thoughts on the Southern District are regarding next year. To help me with some of next years’ activities I am collecting information on innovative or creative transportation projects that have been recently completed in any state in the District. Examples could be an ITS project, a transit project, a rideshare program, a creative way of timing signals, etc. Please forward those ideas to me at voorhies@pbworld.com or by fax at (404) 237-3015.

Secretary-Treasurer’s Report
By Jim Meads (Alabama)

The District account has a balance of $37,405 as of April 15. Thus far this year the District has spent $4,099.44 and received $10,802.62.

The current membership total for the District is 1492.

We approved several projects to be funded from “savings:”

- Funding for student chapters to gather trip generation data for new uses
- Saudi Arabian trip in support of forming new section
- Traffic operations one-day refresher course
- Traffic operations workbook
- Web Site enhancements

Many thanks for your input and support. Please call me if you have any questions at (864) 299-5393. Yes, I do answer e-mail (occasionally): joelsprague@compuserve.com.

According to another District Director, the October 26, 1998, issue of *U S News and World Report* listed transportation engineering as the #2 hottest career. What a great time to be doing what we do!

Pic of the Pics
Do you have a picture of an unusual or humorous traffic control situation? SEND YOUR PICTURES to the editor and we will include them in the next edition.
1998 SDITE Award Winners

During the Banquet at the 1999 Annual Meeting in Montgomery, Alabama, the District recognized the following individuals and groups for their achievements:

- Joseph M. Thomas Outstanding Young Member Award: John Hibbard (GA)
- Marble J. Hensley Outstanding Individual Activity Award: Doug Robert (DS)
- Herman J. Hoose Distinguished Service Award: Lonnie Yates (KY)
- Outstanding Section Award: Georgia Section
- Outstanding Sponsored Technical Paper Award: Lisa Aultman-Hall, Michael Hill and Ken Agent, “A Methodology for Evaluating Large Truck Access to Intermodal and Other Facilities”
- Runner-Up Sponsored Technical Paper Award: Martin Bretherton, Vince Edwards and Jun Miao, “The Economic Impact of Speed Humps on Housing Values”
- Outstanding Non-Sponsored Technical Paper Award: Sean Doherty, Lisa Aultman-Hall and Jill Swaynos, “Commuter Cyclist Accident Patterns in Toronto and Ottawa, Canada”
- Runner-Up Non-Sponsored Technical Paper Award: Nikiforos Stamatiadis and Giovanni Puccini, “Fatal Crash Rates in the Southeast USA: Why Are They Higher?”
- Outstanding Student Chapter: Georgia Institute of Technology
- Outstanding Student Paper Award: Timothy Luttrell, University of Tennessee, “An Analysis of Transportation Project Prioritization”

Summary of 1999 Annual Meeting

By Nancy Hudson (Alabama)

The Forty-Seventh Annual Meeting of the Southern District was a great success as reported by Co-Chairs, Nancy Hudson and Bubba Bowden. The meeting was held in Montgomery April 18-21, 1999, at the Embassy Suites Hotel.

Hudson and Bowden report that 282 ITE members, spouses, students and non-members attended the event. Nineteen states were represented along with a guest from Canada. Alabama had seventy-six attendees.

The technical sessions were very interesting and covered a wide range of topics. All of the sessions were well attended.

A buffet luncheon was held in the ABD exhibit area. This was a great opportunity for the attendees to get to spend time with exhibits and vendors.

The ABD event on Monday night was “A Night at the Races.” This was lots of fun for all who attended. The buffet dinner was wonderful and watching the races was exciting.

The Spouse/Guest program was enjoyed by everyone who participated. They were treated to a private reception at the chamber of commerce, toured the historic Old Alabama Town, and had a picnic in a Greek garden.

Nancy and Bubba want to say a special “Thank You” to their committee for all their hard work and dedication.
The Pros of Traffic Engineering Certification
By Bob Mabry (Deep South)

Professional Traffic Operations Engineer certification – What’s in it for me? Is this the question you are asking?

That reminds me of a grandfather who was making oatmeal for breakfast for his grandson. He asked, “Do you like sugar?” The boy nodded, so he added it to the bowl. “Do you like butter?” The boy nodded, as he added butter. “Do you like milk?” The boy nodded, so he added milk and stirred it all together and gave it to the boy. The boy took one bite then pushed it aside. The grandfather asked, “What is the matter?” The boy said, “You didn’t ask me if I liked oatmeal!”

Are we asking the right questions?
- What about the safety of the traveling public?
- What about the safety of our construction workers?
- What about the safety of our maintenance personnel?
- What about the tort liability of our state or local government?

These are some of the questions that the PTOE can help answer for you.

I do not see the PTOE as a cure-all for the traffic problems we will encounter, but as a benchmark in education and experience that may be used to help improve the safety and efficiency of our roadways in this great nation. Traffic Engineering is a specialty field which most states had no way to recognize before the PTOE. I would like for states to see that PTOE certification as a way to provide more uniform application to traffic engineering principles. This could reduce tort liability and elevate the field of traffic engineering to the special level it deserves.

In these days of fast traffic, congested traffic, distracted, drugged, or drowsy driving, and a sue-happy society, I feel we need all the help we can get to ensure that we provide safe streets and highways for the public. It is also just as critical that we provide safe workzones for governmental maintenance employees as well as for the contractor’s personnel. To that end, the PTOE, as I see it, is just one more tool that can be used to ensure that our highways are properly designed, built, and maintained.

Would you ask a general practitioner to do brain surgery on you? Would you want a tax lawyer to defend you in a murder trial? Then why would you want a general civil engineer to design your traffic control plan?

By the way, I have taken the PTOE exam and believe that it is appropriately tough, but fair. I walked into the exam room with only my 13 years of traffic engineering experience and two #2 pencils.

They loaned me a 4-function calculator, a sheet of formulas, a test booklet, and answer sheet. After using about 2 ½ hours of the morning and 2 ½ hours of the afternoon three-hour sessions, I left with my two pencils and a sense of confidence that the PTOE is a good thing.

It is tough enough and broad-ranging enough to make it worthwhile and appropriately challenging. At the same time, it is not so number-crunching intensive to make you need a computer. I would highly recommend this certification to anyone who is and has been actively practicing traffic engineering for the past five to twenty years.
The Cons of Traffic Engineering Certification

By Joseph S. Milazzo II (North Carolina)

The board of directors of the North Carolina section (NCSITE) unanimously passed a resolution in August 1998 against the certification of professional engineers, requesting that the process be “terminated immediately.” The Southern District asked me to present North Carolina’s reasons for opposing certification at the 1999 Annual Meeting in Montgomery. I then wrote an article, reflecting the NCSITE board’s opposition to certification for the spring NCSITE newsletter [http://itre.ncsu.edu/ncsite/news/spr99.pdf]. The newsletter also included an article by an ITE certification board member in favor of certification [http://www.ite.org/pdf/jea98a20.pdf], a second proposed resolution against certification [http://itre.ncsu.edu/ncsite/resolution.html], and a request for comments. The response from the NCSITE membership on this issue was overwhelmingly in favor of the NCSITE board’s position against the certification process.

North Carolinians are against the granting of additional “professional” titles or “certifications” for professional engineers. And, North Carolinians oppose the tremendous costs in time, money, and reputation to engineers and the profession from the whole certification process. In fact, North Carolina sees certification as a classic example of a solution in search of a problem.

Let us be completely clear from the beginning. No professional engineer in North Carolina is against anyone, PE or otherwise, taking a test regarding traffic engineering concepts or tools. In addition, we are not opposed to PEs, or non-PEs for that matter, receiving a “certificate” stating that they had passed an exam on traffic engineering fundamentals, whether from ITE, ASCE, or a local college or university. And, we concede that someone might find the fact that an engineer or technician had passed such a test to be useful information, perhaps.

However, we do not believe that passing a single multiple-choice traffic engineering exam makes one a “professional” traffic operations engineer (“PTOE”), whatever that is. We certainly do not believe that not taking the PTOE exam somehow implies incompetence or unprofessionalism on the part of a professional engineer. We cannot conceive of how a voluntary exam will protect the public from incompetence if the prospect of revocation of a license given by the state does not. But, we do believe that the reputation of professional engineers will be severely damaged if this certification process, including the use of “PTOE” after the PE initials, continues.

A professional engineer who passes a test (whether it be an ITE certification exam, an ASCE short course test, a college course, etc.) is just that, a PE who has passed another test. Competence in an area requires proper education and experience, and is evidenced by the reputation of the individual in performing with technical expertise and sound judgment. We disagree with the certification board’s contention that the “the competent practitioner will hold both licensure and certification” (Traffic Engineering Council Update, Fall-Winter 1998-99, page 4). A professional engineer’s reputation for competence is earned, and maintained, over time, and does not require the passage of a costly additional test for proof.

Consider the importance of judgment for a transportation engineer. The PTOE exam, with 150 questions over six hours (less than 2.5 minutes per problem), is clearly not capable of measuring how an individual exercises judgment, deals with uncertainty, handles incomplete or conflicting information, and so on, especially over time. We are not convinced that such an exam measuring traffic engineering judgment would even be possible to construct. We are sure, however, that the multiple-choice PTOE is not such an exam.

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Upcoming Annual Meetings

The Southern District has a rich heritage of conducting informative and educational Annual Meetings, mixed with plenty of social occasions for members to learn from each other. The 2000 International ITE Annual Meeting will be held in Nashville. The following meeting sites have already been approved:

- **2000** — Greenville, SC
  Hyatt Hotel: April 16-19

- **2001** — Williamsburg, VA
  Williamsburg Marriott

- **2002** — New Orleans, LA
  District Five’s 50th Anniversary

- **2003** — Winston-Salem, NC

- **2004** — Kentucky

- **2005** — Georgia

Mid-Year Meeting of Executive Board

The Executive Board will meet on **Friday, December 10, 1999** in Williamsburg, Virginia to wrap up the year’s business. Attending will be Officers, Section Representatives, Section Presidents, ABD Representatives and other SDITE leaders. The meeting is open to all Members. The host for the meeting will be Bill Cashman, Chair of the Local Arrangements Committee for the 2001 District Annual Meeting.
A professional engineer has responsibilities and obligations to serve the public and the profession through ethical conduct, technical proficiency, and continuing education. There are legal consequences for failing to do so in North Carolina, as in all states. Here again, the voluntary PTOE cannot possibly provide the same level of protection to the public as PE licensure, let alone enhance it.

There are other issues, of course. Since PEs are already licensed, why wasn’t this exam directed toward those without PE registrations? Why is a certification program that is supposedly trying to prevent engineers “from holding themselves out as competent in areas where they may not hold current knowledge” (emphasis added) “(Traffic Engineering Council Update, Fall-Winter 1998-99, page 4) accepting passage of the California traffic engineering exam, which was first given in 1975, as meeting the examination requirement?

Why are the annual renewal fees for the PTOE exam twice as much as the renewal fees for PE registration itself? Why would passing a single exam need to be “renewed” every three years, anyway? With the certification board’s consideration of “another certification level in traffic engineering” and certification of traffic operations “subspecialties,” (ITE Journal, February 1999, page 23), when will the exams, fees, renewals, titles, and acronyms end, if ever?

But these issues, sufficient in themselves to justify terminating the certification process, are only secondary. Our main point is that calling a PE who has passed another test a “professional” traffic operations engineer, and using “PTOE” after the PE initials, is misleading and confusing to the public, meaningless as a substantive protection of incompetence, and demeaning to professional engineers.

The Highway Capacity Software (HCS) has been completely rebuilt as a Windows 95/NT application. The familiar easy installation (and uninstall) and graphic interface provide an effective tool for capacity analysis. As in the past releases, this version is completely faithful to the procedures prescribed in the Highway Capacity Manual (HCM), but offers much more flexible data entry and very comprehensive on-line help. All modules are accessible from the main menu with the capability of having several modules and/or data files open simultaneously.

This new version (HCS-3) incorporates standard Windows functionality which adds several new practical capabilities for users. A major enhancement that is immediately apparent is the dynamic output pane available beneath the input screen. As data are entered, computations are reflected in both the input pane and the output pane, provided as a split screen view. The output pane is formatted exactly as the printed document will appear with the capability to cut-and-paste any portion for easy transfer to their documents or programs.

Many fields have alternate data entry tools, such as radio buttons, spinners and combination boxes, to provide for the most efficient means of coding. Context-sensitive help is available for all accessible fields and provides explanations for the data to be coded, defaults and range limits, as well as specific HCM references to tables, figures, equations and text relative to the information being entered.

This release of HCS-3 implements the procedures in the 1997 update to the HCM. HCS-3 contains modules that implement the procedures defined in all chapters (except Chapter 14 on Bicycles) of the HCM, including completely replaced procedures for HCM Chapter 3 (Basic Freeway Sections), Chapter 4 (Weaving Areas), Chapter 9 (Signalized Intersections), Chapter 10 (Unsignalized Intersections) and Chapter 11 (Arterial Streets), as well as changes to Chapter 5 (Ramps and Ramp Junctions) and Chapter 7 (Multilane Highways). The update to the HCM was published in July, 1998, by the Transportation Research Board (TRB).

HCS-3 is now available. Contact the Mc Trans Center at University of Florida, 512 Weil Hall, Gainesville, Florida 32611-6585, (352) 392-0378 ext 241, fax (352) 392-3224, E-mail: mctrans@ce.ufl.edu, Web site: http://mctrans.ce.ufl.edu. Compiled by Martin Bretherton.

The City of Alexandria has started to use fake cameras at intersections with a high number of red light running violations in order to increase the reach of their red light camera program without substantially increasing costs. The ‘real’ cameras have been painted yellow so they are very visible to motorists. Additional fake ‘yellow’ cameras are being placed at additional intersections. The hope is the fake cameras will be seen by motorists and they will obey the red lights without the expense of processing tickets. Preliminary results of the study should be available in a few months.

For additional information, please contact George Jivatode, Transportation Division Chief, City of Alexandria, P.O. Box 178, Alexandria, Va. 22313, (703) 838-4411, fax (703) 838-6438. Compiled Martin Bretherton.
Clarification of FHWA-Approved FYG Warning Signs

Since the issuance of Federal register, Vol. 63, No. 118, of June 19, 1998, questions have arisen regarding the use of fluorescent yellow green (FYG) warning signs for school, pedestrian, and bicycle applications. Maintaining uniformity of the noted applications in signing installations is a concern. An omission of applicable signs occurred in the referenced Register. The S4-3, School plaque (for use with speed limit sign) and the W11A-1, Bicycle Crossing sign, were not included in the optional FYG category with the other school, pedestrian, and bicycle signs. This was an inadvertent omission. The amendment sought a uniform application; moreover, the mixing of FYG and standard yellow signs within an application schedule would be inadvisable according to the comment summary. Ironically, this omission temporarily fostered a situation the revision sought to guard against.

Thus, the Federal Highway Administration (FHWA), acting upon Requests for Interpretation (1998 MUTCD, Section 1A-6), approved the S5-1, S4-3 and W11A-1 under the 'systematic use' guidance for optional FYG use. Based upon the subject Federal Register and a recent Memorandum from the Office of Transportation Operations, the following signs are approved for optional FYG usage:
* S1-1, School Advance sign
* S2-1, School Crossing sign
* S3-1, School Bus Stop Ahead sign
* S4-3, School plaque
* S5-1, School Speed Limit
* W11-1, Bicycle Crossing sign
* W11A-1, Bicycle Crossing sign
* W11-2, Pedestrian Crossing sign
* W11A-2, Pedestrian Crossing sign

Accordingly, these signs presently provide a uniform and systematic approach to FYG signing applications as intended in the subject Register. The new edition of the MUTCD, scheduled for publication in 2001, will fully address the FYG background usage. ALDOT has adopted FYG material as the standard for all of these signs.

For additional information, please contact Cherie Kittle, Federal Highway Administration at 202/366-2188 or Timothy Taylor, Alabama Department of Transportation, at 334/242-6275 or Taylort@dot.state.al.us. Submitted by Timothy Taylor and Bridget Smith.

New Signage For Bicycle Routes

San Francisco has recently created a signage system for its 180-mile bicycle network that clearly identifies the network using a new bicycle route sign. The goal of the signage project is to promote bicycle use and increase public awareness of the presence of bicycles on roadways.

The new sign (Caltrans SG45), designed by San Francisco, is now an officially sanctioned traffic control device in California. It features a large white bicycle and route number on a green oval with a graphic chosen by the local jurisdiction at the top of the oval. (San Francisco uses the Golden Gate Bridge.) Underneath the oval lies a destination and directional arrow.

The numbering system for the route network follows the Federal Highway methodology, using odd numbers for north-south routes and even numbers for east-west routes. The grid has the lowest route numbers (2 and 5) originating in the northeast part of the City, progressing to the higher numbers (95 and 98) in the southwest corner. Three-digit destinations are given to loops and spurs of a regular route.

The new Bicycle Route Signs provide better guidance to bicyclists than the standard bicycle route signs (Caltrans G93) which did not allow any detail for arrows or destinations. State standards suggest that supplementary arrow and destination plates may be used with the standard signs as needed at high demand destinations. However, each new sign provides this guidance thus enabling all bicyclists to gain some scope of the entire network.

San Francisco has already installed approximately 2000 signs and expects to install at least 1000 more.

For additional information, please contact Manito Velasco, City and County of San Francisco, Bicycle Program, at: 415/554-2338 or manito_velasco@ci.sf.ca.us.

Submitted by Manito Velasco and Bridget Smith.
Ramp Metering: A Review of the Literature
By Gene Arnold (Virginia)

Ramp metering is an effective, viable, and practical strategy used to manage freeway traffic. It is a proven freeway management technique as various forms of ramp control have been in place since the 1960s in the Chicago, Detroit, and Los Angeles areas. Due in part to the success of these early applications, ramp metering has received increased emphasis in recent years under the umbrella of advanced traffic management systems (ATMS), a component of intelligent transportation systems (ITS). ITS America reports that there are currently more than 40 ATMS deployed, under construction, or in the planning stage in the U.S. by state transportation agencies. The future of ramp metering is also in this ITS context. Integration and interface with local street system control and other advanced ITS traffic control systems such as advanced vehicle control systems, dynamic route guidance, and advanced traveler information systems are the latest in ramp metering applications.

Ramp meters are in place and working effectively on segments of I-395 and I-66 in Northern Virginia. The Virginia Transportation Research Council implemented a study to review and synthesize the existing literature on ramp metering. Specific topics included in the review were:

- Impacts of ramp metering, including its advantages/benefits and disadvantages/disbenefits
- Warrants, criteria, and guidelines for ramp metering
- Metering rates.

Detailed information on these topics is included in the report as well as general conclusions regarding ramp metering. A copy of the full report can be obtained from Gene Arnold, who can be contacted at 804/293-1931, FAX 804/293-1990, or email at garnold@vdot.state.va.us.

News From The Sections

ALABAMA SECTION
We’ve had a busy year! The 47th annual meeting was a great success. We enjoyed hosting the district and hope that everyone that attended had a great time. The technical sessions were excellent and the ABD really put on a fun evening with “A Night at the Races.”

Our spring meeting was held in conjunction with the district meeting. We had a business meeting with 15 members in attendance.

The annual meeting was held in Gulf Shores, AL. The Deep South section joined us this year. The highlight of the meeting was the “traffic bowl.” A jeopardy style game with lots of transportation questions. The teams were divided by states: Alabama, Louisiana and Mississippi. Louisiana’s team won! The annual auction raised over $3,000.00 for our scholarship fund.

We are looking forward to our fall meeting that will be held on October 7 at the Talledega Super Speedway.

The Alabama section officers for 2000 are:

President: Tim Taylor
Vice President: Stacey Glass
Secretary/Treasurer: Becky White
Past President: Robby Anderson
Section Rep: James Brown
Asst. Affiliate Dir.: J. G. Meyer
Affiliate Director: Walter Dorsey

GEORGIA SECTION
The first Board meeting was held on January 18, 1999. A meeting with all committee chairs followed. The committees reviewed their planned activities for the year:

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The first meeting of 1999 was held on Thursday, February 11 at Mary Mac’s Tea Room in Atlanta with 87 in attendance. Mr. Bayne Smith made a presentation on the ITE Professional Traffic Operations Engineer exam that he took and passed.

In March, the Section held a joint meeting with ASCE and ASHE at the Sheraton Four Points Hotel in Atlanta with 117 in attendance. The speaker was Mr. George Black, a member of the National Transportation Safety Board. Mr. Black spoke on national transportation safety issues and recent NTSB investigations.

On April 7, 1999 the ITS Committee held a one day Advanced Transportation Controller (ATC) Seminar at the Ramada Inn and Conference Center in Atlanta. More than 100 people attended the all day seminar and lunch meeting. Mr. Floyd Workman of Caltrans spoke at the luncheon on the Current Status of ATC Development and Implementation. Dave Miller of Eagle Signal, John Satcher of Safetran, Craig Gardner of Gardner Transportation Systems and Paul Bell of Peek Traffic presented relevant topic at the seminar.

A total of 33 Georgia Section members attended the Southern District Annual Meeting in Montgomery, Alabama. The Section was honored on three occasions at the banquet. The Georgia Tech Student Chapter received the Best Student Chapter award, the Section received the Outstanding Section Award, and Mr. John Hibbard received the Joe Thomas award.

On Thursday, June 10, 1999 at Mary Mac’s Tea Room in Atlanta, Mr. Vincent Edwards of Gwinnett County, Mr. David Clark of Athens/Clarke County, and Mr. Brian Bolick of LRE/dames & Moore presented a program that provided three different viewpoints on Neighborhood Traffic Management. The 67 attendees enjoyed the most informative program.

The 1999 summer seminar was held at the King and Prince Resort on Saint Simons Island, Georgia starting on Sunday, July 11 and ending on Wednesday, July 14, 1999. A total of 121 members and 51 spouses attended this three day event. The members enjoyed the tennis and golf tournament and the Scholarship Committee once again provided an entertaining and successful auction to raise funds for the scholarship program. Georgia Representative Buddy Deloach was the keynote speaker at the banquet.

The outstanding technical program included the topics varying from alternative fuel vehicles to traffic signal inventory methods:

Future meeting will be as follows:

August 12: Mary Mac’s Tea Room in Atlanta
September 9: Mary Mac’s Tea Room in Atlanta
October 14: Mary Mac’s Tea Room in Atlanta
November 11: Mary Mac’s Tea Room in Atlanta

Other Items of Interest

The Georgia Section Board voted to sponsor a test site for the Professional Traffic Operations Engineer Certification test in Atlanta on Saturday, November 6, 1999. Subsequent discussions have been held with International ITE and plans are moving forward to develop a joint sponsorship of the test.
Call for Abstracts
Call for Papers
Y2K Southern District Meeting in Greenville, SC

The ITE Southern District invites you to submit an abstract of a paper that you would like to have considered for presentation at the District’s Annual Meeting in Greenville, SC, April 16–19, 2000. An abstract on any paper related to Safety, Operations, or Planning for any transportation mode will be considered for inclusion in the technical program. The abstract should be 250-300 words in length and should fill no more than one typed page. The name, title, mailing address, phone number, fax number, and e-mail address (or, for multiple authors, that of the person who would be presenting the paper) must appear on the abstract. Please send the original diskette containing the abstract in either Microsoft Word or Word Perfect 5.1 to:

Dr. J. Edwin Clark, Chair
ITE Southern District Technical Council
1643 W. Little River Dr.
Seneca, SC 29672

The deadline for the submission of abstracts is February 1, 2000.

The District also invites technical papers for the Outstanding Sponsored Technical Paper and for the Outstanding Non-Sponsored Technical Paper competition. The term “Sponsored” implies that the paper was prepared essentially as part of the author’s job responsibility and on company time. The term “Non-Sponsored” implies that the paper was prepared essentially as part of the author’s own time and essentially apart from his/her job responsibility. To qualify for the competition, the paper must meet the following requirements:

1. The author(s) shall be a member(s) of the Southern District.
2. The paper shall be typed, double-spaced, on one side of the page, and shall be 1,500 words minimum.
3. The paper shall have been completed since December 1, 1998.
4. The original and five (5) copies shall be submitted to the Chair of the Technical Council no later than February 1, 2000.

Questions? Please contact Dr. Clark at (864) 882-9803 or email at bjec@blueridgenet.com.

On March 21-23, 1999, SOMA (Southeastern Orientation and Mobility Association - professional who work with the visually impaired) had its annual conference in Decatur, Georgia. ITE members were invited to an “open house on the street” where they could participate, side-by-side with the visually impaired and those who work with them, in a working test evaluation of some 11 different pedestrian crossing devices for the visually impaired. ITE members were involved in the test installation of these devices, as well as the development of “demo” units to allow the fullest range of evaluation.

NORTH CAROLINA SECTION

At the North Carolina Section’s 1998 November Annual Meeting, the following officers were elected:

President
Terry Snow
Vice President
Greg Turner
Secretary-Treasurer
Burt Tasaico
Section Director
Don Bryson
Affiliate Director
Terry Hopkin
District Director
Bruce Leonard
District Director
Terry Bellamy

During the annual business meeting the following action was taken:

The NCSITE Board of Directors unanimously passed a resolution against the certification of professional engineers in traffic operations, requesting that the process be terminated immediately.

The NCSITE Board of Directors approved the increase of annual Section dues by $10.00. The cost of producing the newsletter along with the board’s desire to increase services resulted in the increase (excluding life members and students).

Information Services Committee has been formed. The newly formed Information Services Committee is responsible for the production of four quarterly newsletters, updating the Web site, and providing additional informational materials as needed.

NCSITE to form Councils. The NCSITE Councils are designed to provide NCSITE members and their guest with focused educational, training and networking opportunities in specific areas of interest. The Core Councils are Traffic Engineering Council, Transportation Planning Council and Administrative Council.

NCSITE Board Passes Resolution Against Certification

After soliciting member input on the issue, the Board of Directors of the North Carolina Section of the Institute of Transportation Engineers on August 10, 1999, voted unanimously to oppose the certification of professional engineers. In the summer of 1998 the NCSITE Board voted unanimously to oppose the then-proposed PTOE (professional traffic operations engineer) certification by the International ITE.

The spring 1999 newsletter included an article by Joe Milazzo II, PE, opposing certification, a reprint of an ITE Journal article by James Pline, PE, in favor of certification, and a draft resolution against certification. NCSITE members were asked to express their opinions. Many comments were received from NCSITE members, all in opposition to certification.

The NCSITE Board also requested a statement from the NC Board of Examiners for Engineers and Surveyors. The Board of Examiners, after considering the issue during their June meeting, noted that the PTOE certification “would carry no specific legal standing in North Carolina.”
The August 1999 NCSITE resolution declares that the NCSITE Board “is opposed to the professional traffic operations engineer (PTOE) certification or any other ITE specialized certification in North Carolina.” In addition, the Board again requested that the certification process be “terminated immediately.” The NCSITE Board will now inform other ITE sections about North Carolina’s continued opposition to the certification process.

**1999 Meetings/Activities**

One key initiative of NCSITE 1999 is conducting local meetings in the Triangle, Triad, and Charlotte areas. Specifically, the NCSITE Local Meeting and Council Feasibility Committee has been charged with establishing three local meetings in each area to provide NCSITE members and their guests with various professional development and networking opportunities.

- **June 8** Signs Fabrication Workshop, Greensboro
- **June 22** Alternative Fuel Vehicles and Technologies, Raleigh
- **July/August** Walkable Communities Workshop, Greensboro
- **September 22** Annual MPO Conference, Raleigh
- **September (TBA)** ITS and Transportation Planning Process, Greensboro
- **CARAT Update/Tour, Charlotte**

**Joint Meetings**

- **April 22** NCSITE/PENC Lunch Meeting: Raleigh, NC  
  “Construction of Timber Bridge” Vickie Davis, PE
- **May 17** NCSITE/Raleigh Engineering Club: Raleigh, NC  
  “Project Development and Environmental Issues” Bill Gilmore, PE

**NCSITE Quarterly/Annual Meetings**

- **February 18** Winter Quarterly Meeting, Fayetteville, NC.
- **September 16** Fall Quarterly Meeting, Charlotte, NC  
  Contact: Keith Hines, PE
- **November 18** NCSITE Annual Meeting, Raleigh, NC  
  Contact: Craig Scheffler

**1999 Committee Chairs**

<table>
<thead>
<tr>
<th>Committee</th>
<th>Chair</th>
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<tbody>
<tr>
<td>Strategic Planning</td>
<td>Mike Nunn</td>
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<tr>
<td>Awards/Scholarship</td>
<td>Tom Kendig</td>
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<td>Ways &amp; Means</td>
<td>Montell Irvin</td>
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<td>Bylaws Update</td>
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<td>Public Affairs/Service</td>
<td>Roger Henderson</td>
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<td>Keith Lewis</td>
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<td>Technical Training:</td>
<td>Brent McKinney</td>
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<td>Administrative Council</td>
<td>Richard Atkins</td>
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<tr>
<td>Local Meetings/Councils</td>
<td>Jim Westmoreland</td>
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<tr>
<td>Annual Report</td>
<td>James Currence</td>
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*Timothy Luttrell, University of Tennessee, accepts Outstanding Student Paper Award from Robert Walker.*

*Doug Robert and wife, Stephanie.*
**SOUTH CAROLINA SECTION**

**Officers for 1999 are:**
- President ........................................................ Anna Salvagin
- Vice-President ............................................... Linda Carpenter
- Secretary/Treasurer ......................................... Wayne Sarasua
- Affiliate Director ........................................ Wrenn Barrett
- Section Representative ..................................... Michael Sexton
- Past President ............................................... Todd Salvagin

**Secretary/Treasurer’s Report**

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**1999 Meetings/Activities**

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<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>September 28</td>
<td>Dinner Meeting Columbia, SC</td>
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<tr>
<td>October 19</td>
<td>Lunch Meeting Columbia, SC Golf Tournament</td>
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<tr>
<td>December 6</td>
<td>Business Meeting Columbia, SC</td>
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**Membership Directory**

A new 1998/1999 SCSITE Membership Directory has been mailed to all members and affiliate members. The South Carolina Section extends special thanks to South Carolina’s own Gaye G. Sprague for her service to the Southern District as the District Representative from 1997-1999.

Another highlight for the South Carolina Section is the revitalization of the Clemson Student Chapter with adviser Dr. Wayne Sarasua who advised Georgia Tech’s Student Chapter before coming to Clemson. The student chapter is looking forward to getting more involved with SCITE activities.

**1999 Committee Chairs**

- Social ............................................... Jay Smith & Don Turner
- Family Picnic ................................. Todd Salvagin
- Scholarship ................................. Dr. David Clarke
- Awards .......................................... Wrenn Barrett
- Technical/Education ......................... Dr. J. E. Clark
- Greenville 2000 ............................... Roger Dyar
- Membership .................................... Carol Jones
- Newsletter ..................................... VACANT
- Technical Education ......................... Dr. J. E. Clark

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**1999 Southern District Officers**

President: Slade Exley  
(601) 948-3071  
sexleysr@aol.com

Vice President: Kenny Voorhies  
(404) 364-8183  
voorhies@pbworld.com

Secretary/Treasurer: James Mends  
(205) 940-6420  
jimmends@sain.com

Past President: Bob Mabry  
(601) 359-1454  
bmabry@mdot.state.ms.us

ITE International Dir.: Gaye Sprague  
(864) 242-3106  
joelsprague@compuserve.com

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Slade Exley gives President’s speech at Awards Banquet.

Lonnie Yates and wife, Betty.

Ed Watt with Betty Yates.

Marble Hensley and his wife Ruth.
**SDITE - GREENVILLE 2000**

Planning continues for the April 2000 Southern District ITE meeting in Greenville, SC. The meeting will be held at the Hyatt Hotel in downtown Greenville. Gaye Sprague and Roger Dyar are working to coordinate the meeting with a 12 member committee.

Tentative plans call for a strong technical program with active spouse events and several enjoyable social events. Dr. Ed Clark and Lisa Dyar are chairing the technical and spouse events, respectively. Technical tours being considered include the BMW plant and the new city traffic control center. Spouse events may include a day trip to Biltmore House and a local tour of art galleries and antique/gift shops. The committee is also contemplating a “Carolina Beach Party” on Main Street with Gaye providing Shag lessons.

**SCSITE Loses an Esteemed Colleague And Dear Friend**

With the death this year of Robert A. (Bud) Hubbard, PE, SCSITE has lost a dear friend and esteemed colleague. Mr. Hubbard was the Chairman, President and Chief Executive Office of Wilbur Smith Associates and was very active for many years with SCSITE.

He was a strong advocate for the transportation engineering profession and always was very willing to lend his support in any way he could to the activities of the Section. In 1988 he received the Section’s “Engineer of the Year” award for his many achievements and contributions to the transportation engineering community. Bud became a Life Member of National ITE in 1998. He was a major supporter and a key contributor for the scholarship fund and his generosity over the years has been greatly appreciated by the membership and the future recipients of the scholarship program.

Bud was one of those special individuals who made a difference, not only to transportation in South Carolina, but throughout the country and around the world. He will long be remembered as a great engineer and a great friend, particularly to all those in SCSITE who had the privilege of benefiting from his leadership, generosity and friendship.

**VIRGINIA SECTION**

**1999 Meeting Dates:**
The September 22 meeting has been re-scheduled to October 7 in Charlottesville.

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Have you always wanted to submit an article to be published in *News of the South*, but didn’t know how to do it? Now you do.....all you have to do is e-mail your submittals to Colin Kinton at ckinton@wilbursmith.com. The deadline for the next newsletter is November 15, 1999. Don’t delay, send us your news today!

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*“News of the South”* is the official publication of the Southern District(5) of the Institute of Transportation Engineers (ITE), which is the professional society for transportation engineers in the Southeast United States. It is affiliated with International ITE which is an international professional engineering society.

*“News of the South”* is published three times per year. Any comments or suggestions on the format or content are welcome. News on members, the Sections, or the profession should be submitted to the Editor. E-mail address: ckinton@wilbursmith.com
Web Sites of the Southern District

International Institute of Transportation Engineers:  http://www.ite.org/

Southern District ITE: http://www2.ncsu.edu/sdite/

Sections

Alabama Section: http://www.alsite.org/
Deep South Section: http://www.civil.msstate.edu/org/dsite
Georgia Section: http://traffic.ce.gatech.edu/itegeorgia/
Kentucky Section: http://www.engr.uky.edu/student.orgs/ite/kysection.htm
North Carolina Section: http://itre.ncsu.edu/ncsite/index.html

Student Chapters

Auburn University: http://www.auburn.edu/department/ce/
Mississippi University: http://www.msstate.edu/org/ite
North Carolina State University: http://www2.ncsu.edu/ncsu/stud_orgs/ite/
University of Kentucky: http://www.engr.uky.edu/ce/studentto.html#ite
University of Virginia: http://www.student.virginia.edu/~uvaite

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