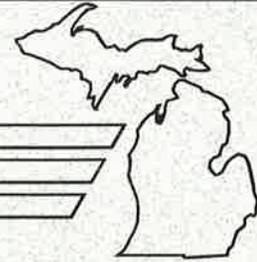


Michiganite



OFFICIAL PUBLICATION OF THE MICHIGAN SECTION OF THE INSTITUTE OF TRANSPORTATION ENGINEERS

Letter from the President



Tim Haagsma

Since the last newsletter several events have taken place. There has been a technical meeting in Lansing, the District III meeting in Indianapolis, and the Education Fund Golf Outing in Howell. There is more information on these events in this issue of MichiganITE.

On another note, I encourage the members of the section who are not members of national ITE to join. ITE is making it easier to become a member. There is now an Affiliated Government Agency Membership that offers discounted membership dues for government agencies who have 10 or more employees who are members of ITE. This includes section dues as well. Discounts off registration fees for the annual meeting are also given to these members. The number of members will be reduced to 5 or more next year. If you would like an application for this membership call me or the ITE office in Washington D.C.

why?

National ITE membership offers many benefits including several councils that members can join. Councils can help keep members up to date on issues and activities in their major discipline. There are currently 11 councils:

- 1) Industry
- 2) Intelligent Transportation Systems
- 3) Traffic Engineering
- 4) Transit
- 5) Transportation Consultants
- 6) Transportation Demand Management
- 7) Transportation Education
- 8) Expert Witness
- 9) Transportation Planning
- 10) Transportation Safety
- 11) Goods Movement.

A task force is studying the formation of a Public Agency council. If you are not a national ITE member consider joining now.

Everyone who is a member of national ITE should take a look at the contributions to this issue from the two International Vice President Candidates. This information will help you make an informed choice when selecting who you would like to see as future president of International ITE.

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jfriel@earthtech.com

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Education/Scholarship:

Bill Savage (517) 482-0854

Student Chapter:

Bill Savage (517) 482-0854

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Barton-Aschman Associates
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Detroit, Michigan 48226

Phone: (313) 965-8351
Fax: (313) 965-8445

Deadline for article
submission for the next
issue of Michiganite is:

Tuesday, Sept. 1st.

Treasurer's Report - Executive Board Meeting
 East Lansing, MI
 March 19, 1998

Section Fund Balance		\$10,710.23
Section Regular Fund Balance	\$8,706.29	
Education Fund Balance	\$919.50	
Incident Management Fund Balance	\$1,084.44	
Education Fund at National Balance (as of 12/31/97)		\$29,400.74
ACTIVITIES FEBRUARY 12, 1998 THROUGH MARCH 18, 1998		
Income - Section		\$3,628.70
Dues	\$1,999.00	
Interest	\$9.70	
February 12, 1998 Meeting	\$1320.00	
MichiganITE Ads	\$300.00	
Expense - Section		\$1,297.52
February 12, 1998 Meeting	\$1,095.12	
Postage (MichiganITE and Meeting)	\$202.40	
Income - Education		\$814.00
Member Contribution	\$614.00	
Golf Sponsorship	\$200.00	
Expense - Education		\$15.00
February 12, 1998 Meeting Subsidy	\$15.00	

Submitted by
Mark W. Bott, Treasurer
Michigan Section-ITE

MEMBERSHIP NEWS

New Life Members of ITE

Donald Orne
 Stanley Cool

New Members*

Mousa Abbasi (S)
 Jason E. Cole (S)
 Michael Loynes (S)
 Todd A. Stroup (S)
 Gary Piotrowicz (R)
 Ken M. Mazurek (R)
 Paula Dynda (R)
 Tamiko Brin-Burnell (R)
 Hieronymous Hamilton (R)
 Ray Schneider (R)
 Christian Luz (R)
 Michael G. Mansfield (R)
 Jay Gailitis (R)
 Ahmad Jawad (S)
 Rehan Zamin (S)
 Salman A. Rathore (S)

* (R) Regular Member
 (S) Student Member
 (T) Technical Affiliate
 (C) Commercial Affiliate

1998 Michigan Section Calendar

<u>Date</u>	<u>Location</u>	<u>Type</u>	<u>Host</u>
June 10	Metro Airport	ASCE/ITE Joint Mtg.	
July 16	East Lansing	Tech. Session	Tom Maleck Tom Krycinski (517) 353-6448 (517) 353-9782
July 25	Lansing	Family Outing	Mark Bott
August 8-12	Toronto	International Annual Mtg.	
September 3	Grand Rapids	Golf Outing	Ron Dressander (616) 249-3470
November 5	Kalamazoo	Tech. Session	John Byrnes (616) 381-3171
December 3	Farmington Hills	Annual Meeting Tech. Session	Kevin McCarthy (248) 473-9590

Member Updates

Pat Cawley has joined Wade-Trim, Inc. Pat works out of the Taylor office.

Bill Candy has joined Wade-Trim, Inc. and is located in their Bay City office.

Technical Presentation Tips - Part 1

Quick Tips: Preparing and Delivering a Technical Presentation

Making a technical presentation at an ITE meeting? As an ITE meeting participant, your presentation will reflect the professionalism of the Institute and its members. Your audience has registered for the meeting to listen to you. They deserve a well prepared presentation. The key to a successful presentation is clear thinking and good planning. Here are some tips (adapted from "Speak like the Best of Them", by Daniel A. Cirucci, Association Management, May 1993) to help you prepare and deliver your presentation successfully.

Write to the Audience

The first step in finding the right words and delivering an effective technical presentation is the audience. Ask certain questions to pin down for whom you're writing.

- **Who is the audience?**
- **What do the members of the audience have in common? Are they mostly engineers? Planners? Are they mostly from the same country?**
- **Why has the audience been brought together?**
- **Why have they invited me to make a presentation? What makes it unique?**
- **How much time do I have?**
- **Do they expect or want me to talk about a specific subject and, if so, what?**
- **In other words: Who are these people and why are they here?**

Identifying the audience is extremely important. It will set the tone and the technical level of your presentation. The more you or your presentation writer know about all of the questions listed above, the better your presentation will be. If you are making a presentation at an ITE Annual Meeting, for example, ITE should provide this information for you. You can expect the audience to be highly educated, with knowledge of engineering terminology and concepts. If the audience is internationally diverse, you should avoid jargon, acronyms, and colloquial terms. Never make assumptions about what your audience knows. If you are not sure, it is better to start at a lower technical level. Regardless of the type of audience, waste no time in making a quick, clear, and simple connection. Find something in common with your listeners and lead with it.

Be Careful with Humor

The all-important link with the audience can often be established with humor. Many speakers use humor by telling a joke or anecdote. But this technique is not as simple as it may seem. Leading with a joke has become almost a cliché; and sometimes the joke can fall flat. Unless you've tried the joke or anecdote before with a similar audience and know it will trigger laughs, caution is the byword. Test the story out with a few friends or colleagues. Ask them to be particularly frank with you in assessing its impact. Your presentation will be remembered by the knowledge it imparts, and not by the jokes it contains. Beyond humor, other

Technical Presentation Tips continued

audience-linking introductions can make listeners feel comfortable with familiar words, images, concepts, and experiences. All human beings have some similar shared experience, and you're bound to reach most of your listeners. This common-bond approach follows a basic rule; begin the dialogue with your audience on a recognizable, friendly, and agreeable terrain. Before you do anything else, get the audience's attention and create the right atmosphere.

A Three-Act Play

A technical presentation is actually a three-act play: a beginning, a middle, and an end (introduction, body, and conclusion). Each part of the presentation must be clear and distinct, but at the same time, the three parts must work as one. The theme or topic is what holds all three parts together. The best presentations can be summarized in a single sentence. Often, an even shorter single phrase within the presentation will come to describe your topic.

Tell Them, Tell them, Tell them

Regardless of the nature of the presentation or the composition of the audience, the speaker owes it to his or her listeners to plan, write, and deliver the presentation in a professional, convincing manner. An effective way to make the beginning, middle, and end of the presentation work together is to remember this three-pronged rule of clear communication: Tell them what you're going to tell them, tell them, tell them that you told them. In the beginning of the presentation, preview what is to come. This approach grabs the audience's attention and opens the door to the main body of the presentation: the middle. It is also a good idea to tell them for how long you will speak: "For the next 15 minutes I will...". This will give the audience an idea of the scale of your presentation to avoid the guess work. In the middle, present most of what you have to say. Simple, declarative lists ("First, the purpose of the study was") can organize the middle of the presentation to help the listener move along. In the end, wrap up ("To summarize...."). Approaching the three parts of the presentation this way is the simplest and easiest way to organize yourself and make your thoughts understandable to all and easy to follow.

To be continued in Fall 1998 issue of Michiganite



W. Merv Teague
Senior Account Representative
Highway Safety Products
State Markets

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Materials Division**
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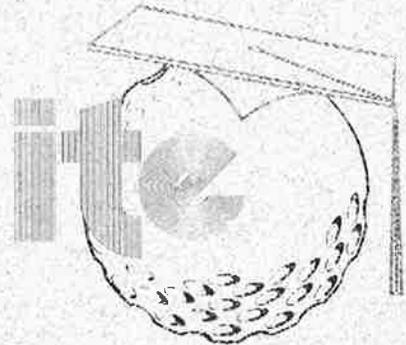
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1998 Educational Fund Golf Outing

The Golf outing was a huge success. There were over 150 golfers and 35 sponsors. The outing raised over \$9,500 for the Education Fund. As Vicki Holland promised, the weather was great. The winners this year were Merv Teague, Bill Drongowski, Burton Smith, and Bob Cross. The low score was 64 (6 under par). Two other teams shot a 64 as well. The winners were determined based on the best score on the lowest handicap holes. However, the real winner was the scholarship fund. Thanks to all of you who golfed and made the event very successful. Special thanks to the sponsors and to all those who donated door prizes. Also, thanks to Vicki Holland for organizing the event and for ordering the good weather.



EDUCATIONAL FUND

The following organizations contributed to this year's golf outing:

3M - ITS Division
 AAA - Michigan
 Allied Tube and Conduit
 Carrier & Gable, Inc.
 Consoer Townsend Envirodyne Engineers
 Eagle Traffic Control Systems
 Eberle Design, Inc.
 Energy Absorption Systems, Inc.
 Farr & Feron Associates, Inc.
 Harlan Electric Company
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 J. Ranck Electric, Inc.
 Linear Dynamics
 Mansell Associates, Inc.
 McNamee Porter & Seely, Inc.
 Metropolitan Power and Lighting, Inc.
 Microwave Sensors, Inc.
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 M.S.U. Transportation Faculty
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 Odetics
 Orchard Hiltz & McCliment, Inc.
 Parsons Brinkerhoff Michigan
 Peek Traffic - Sarasota
 Pelco Products, Inc.
 Precision Solar
 Rauhorn Electric, Inc.



1998 Educational Fund Golf Outing Winners

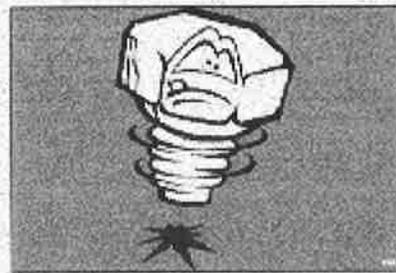
Safe-Hit Corporation
 Savage Traffic Engineering, Inc.
 Snell Environmental Group, Inc.
 Stimsonite
 TMA Rental Co.
 Trans Tech Electric
 Unistrut Detroit
 URS Greiner
 Wade-Trim, Inc.
 Work Safe Supply Co.

ITE Family Night

Join the Michigan Section of ITE for a night at the Ball Park on July 25, 1998. The Lansing Lugnuts will be hosting their division foes, the West Michigan Whitecaps, at Oldsmobile Park. Game time is 7:05 PM.

Tickets are \$4.50 each for lawn seats. Children under two are free. Come on out and cheer for your favorite team!

If you have any questions, please call Mark Bott at (517) 335-2625. Advance Paid reservation for the full amount must be received by Thursday, July 3, 1998.

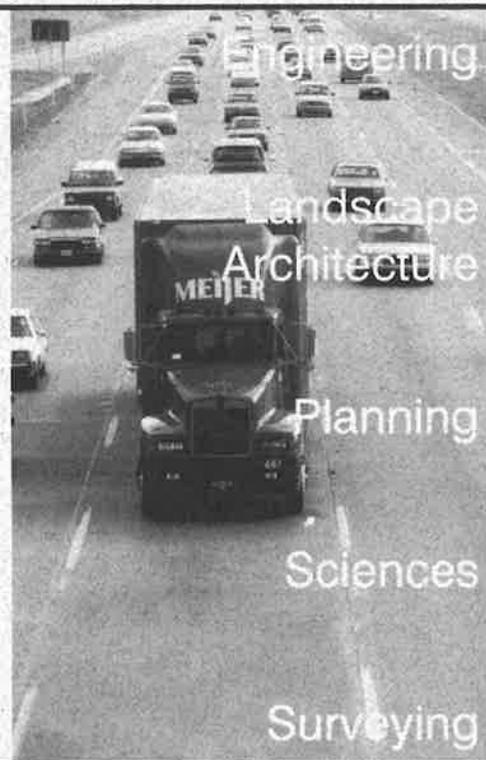


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March Technical Session

Parking Management Tactics for Small and Medium-Sized Communities By: Chris Luz, HNTB

Chris detailed how the parking needs of communities are related to existing resources and land uses. It is important to develop parking that can serve the needs without being excessive. Shared parking can serve the needs of downtown redevelopment. Complimentary land uses and mixed-use developments can reduce the number of parking spaces needed if shared use is taken into account. Cities can assist developers through negotiation and development of parking requirements that accomodate shared parking.

Development in Southeast Michigan and its Impacts on the Regional Transportation Model

By: Carmine Palombo, SEMCOG

Carmine presented a synopsis of activities relating to current development and redevelopment projects in the Detroit area such as the Casinos, new stadiums for the Tigers and Lions, and changes to the Renaissance Center and Cobo Hall, and residential developments that are helping drive transportation decisions. Planning is occurring for the individual components but the cumulative impacts must also be considered. Infrastructure improvements being considered that are related to trade issues are the Ambassador Bridge improvements and promotion of I-94 as an important trade corridor. Other discussions include a larger freight hub, a Woodward corridor commuter rail line, and a true passenger intermodal facility.

Evaluation of Crash Countermeasures in the City of Detroit By: Tapan Datta, Wayne State University

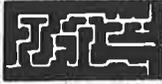
AAA was a partner in the improvement of 18 high crash sites in Detroit. Three years of crash data was analyzed, along with supplemental data to develop countermeasures for these locations. Various safety deficiencies were identified in the study that were addressed through improvements in signal timing, design, and lane layout. These were low cost improvements that produced a significant reduction in injury crashes. Critical evaluation of safety improvements is extremely important and is often neglected.

Transportation Issues in Michigan's House By: Bev Hammerstrom, 55th District Representative

Bev's presentation reviewed the 1997 transportation package. She also detailed current transportation issues the Michigan State House has under consideration. Items she covered included Warranties for contracted work, Performance audits of Counties by the Dept. of Treasury, Administrative Cost Caps, and Interdepartmental Grants. Still on the table are Act 51 and billboard legislation.

Continued on following page

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March Technical Session continued

Simulation: The State of the Practice By: Barb Arens, Parsons-Brinckerhoff

Barb's presentation was an overview regarding various simulation programs available to the traffic engineer. HCM is in its 50th year with the next update, HCM 2000, that will include simulation. There are currently 58 microsimulation models available from 12 countries. Barb discussed CORSIM from FHWA, TRANSIMS from Los Alamos National Laboratory, and Integration from the Queens University Transportation Group in some detail. Future developments in simulation will include virtual reality (3D environment), and an increased role for GIS. Care needs to be taken when using microsimulation tools, with time allowed for calibrating and validating the model that is used.

Automated Crash Reporting System By: Sgt. Colleen Gorno, Michigan State Police

Colleen demonstrated the new automated crash reporting system that is under development by the Michigan State Police. Various look-up tables and error checking routines are built into the system. These are the type of features developed in the system that will help provide a consistency in the database. Field officers will still be able to include a graphical representation of the accident scene in the new system.

District III Meeting

The District III meeting was held in April in Indianapolis. An ITS Awareness Seminar sponsored by FHWA was held in conjunction with the District Meeting. This seminar tied in nicely with topics presented at the District meeting. These topics included recommendations from the Railroad Grade Crossing Safety Task Force, Traffic Calming, the Indiana Lane Merge, LED Signal Bulbs and ITS Technology Developments. Michigan was well represented at the meeting, with 10 members from our section in attendance. The International Vice President Candidates spoke to the attendees at the dinner which was held as part of the meeting.

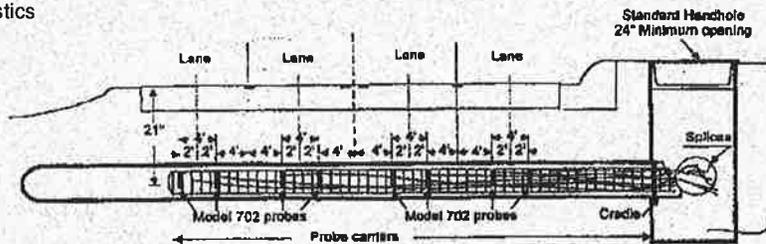
3M Non-Invasive Microloop Detection

With the emphasis on moving detection out of the road surface to either above or below ground, 3M's new Non-Invasive Microloop allows you to detect all licensed vehicles from under the surface. Using the proven microloop technology, 3M has redesigned the microloop so that it can be placed under the road's surface (18-24 inches) in a 3" Schedule 80 PVC pipe either trenched or directional drilled.

Some of the advantages of using the Non-invasive Microloops are:

- Superior Value:
 - Low Life Cycle Costs.
 - Low Pavement repair and maintenance costs; the road surface is not damaged.
 - Better repair efficiency; resurfacing and surface repairs can occur without affecting the detection performance.
- Flexibility: Connect up to four probes to the same lead. Easily reposition or readjust probe placement to improve vehicle sensing accuracy or to reflect changing traffic characteristics in permanent installations or work zones.
- Accurate: Can resolve closely spaced vehicles and reject adjacent lane vehicles; unique magneto-inductive operating characteristics improve count accuracy.

If you would like more information on the Non-Invasive Microloop System, please contact Carrier & Gable, Inc. for product information and demonstration!
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FOR VICE PRESIDENT

ROBERT M. RODGERS, P.E. (F)

Principal
Orth-Rodgers & Associates, Inc.
Philadelphia, Pennsylvania USA

The person you elect this year as Vice President will be the President on the 70th Birthday of ITE at the dawn of the 21st Century. During these years, the Institute has grown from its 19 founders meeting in Pittsburgh in 1930 to over 15,000 members working in over 80 countries around the world. From the Institute of Traffic Engineers, to its successor, the Institute of Transportation Engineers, our association of transportation engineers, traffic engineers, transportation planners and other related professionals has become the leading professional association in transportation around the world.

OBJECTIVES

The purpose of our Institute is twofold: ...*"meeting human needs for mobility and safety and promoting the professional development of its members"*. My objectives and priorities as Vice-President are as follows:

- control costs of annual dues and annual meetings while exploring new revenue streams
- focus ITE's considerable resources on ISTEA re-authorization
- implement a CEU/PDU Program for ITE members
- increase government memberships through the Affiliated Government Agency Membership program through increased marketing and visits to key target agencies in each District
- continue programs to support younger members including automatic student member transfers, reduced fees and promotion of technical papers at ITE section, district and annual meetings
- continue focus on increasing International membership through the periodic holding of Annual Meetings outside of the United States, increased financial support for the District 8 International Director, solicitation of papers from Districts 7 and 8 for presentation at Annual Meetings, and send ITE staff/officers to key transportation conferences outside of Canada and the United States
- continue use of the Internet and CD ROMs to disseminate technical information to our membership
- strengthen ITE's educational and professional development programs
- continue to promote and strengthen ITE's Specialty Councils to our general membership and provide financial support to the Coordinating Council Representative

ITE EXPERIENCE

I have been an active member of ITE for over 25 years. For 12 years I have held elected offices in ITE and have devoted all of my professional activities to this organization. My ITE experience includes:

Elected Offices Held:

Held elected offices for 12 years including International Director for District 2 (1995, 1996, 1997). District 2 Past President (1992), President (1991), Vice President (1990), Secretary (1989) and Treasurer (1988). Mid-Atlantic Section (MASITE) District 2 Representative (1985), President (1984), Vice President (1983) and Secretary (1982).

Committees:

Annual Meeting Committee (1995), Budget Committee (1996, 1997), and Policy Committee (1986, 1987).

Specialty Councils:

Intelligent Transportation Systems, Traffic Engineering, Transportation Planning and Expert Witness Council.

Technical Publications:

Authored or co-authored 15 papers and publications including research papers presented at ITE Section, District, Regional and Annual Meetings. Co-Author of "Managing Transportation in Your Community", a Municipal Handbook published by NJDOT. Co-author of Chapter on "Traffic Impact Assessment" published by the Urban Land Institute in its book, "Development Impact Assessment Manual". Co-author of Planning Handbook, "Needs Studies" published by PennDOT.

Awards and Recognitions:

Donald M. McNeil, Jr. Award (MASITE - 1997) for Outstanding Service to ITE; Prepared and presented Philadelphia's successful bid to host the ITE Annual Meeting in 2002.

EDUCATION AND PROFESSIONAL REGISTRATION

Bachelor of Civil Engineering, 1969, Villanova University and Master of Civil Engineering (Transportation), 1971 Villanova University Registered Professional Engineer In Pennsylvania, New York, Florida, New Jersey and Delaware

TIME COMMITMENT

Success as an ITE officer requires a major time commitment. I have made that commitment for over 25 years (12 years as an elected officer) and will continue to do so. I have the complete support of my partners - all of whom are active ITE members.

PROFESSIONAL EXPERIENCE

I have been a practicing traffic engineer for 29 years, the last 20 of which as a founding Principal in the Consulting Engineering firm of Orth-Rodgers & Associates, Inc. My work includes traffic signal and signal system designs, traffic operations studies, expressway reconstruction studies, traffic impact studies, safety improvement projects and highway needs studies for Departments of Transportation, County governments and municipalities. I also serve as the municipal traffic engineer for several municipalities.



Douglas H. Differt

for ITE International Vice President

Thank you for this opportunity to express my continued interest in serving ITE by becoming a candidate for International Vice President. I am positive that ITE's vision statement, "To become the organization of choice for individual transportation professionals responsible for meeting society's needs for safe and efficient transportation" will effectively guide us as we enter into the 21st century.

The challenges of fulfilling our vision are many and varied. As usual, money (NEXTEA/BESTEAs or whatever the federal title may be) is necessary to carry out the implementation of programs. Public expectations/perceptions of service continue to challenge us and our profession. Technical solutions and political environments must be facilitated to provide future transportation directions. Items such as design/build, traffic calming, governmental membership in ITE, partnerships both public and private as well as organizational partnerships, and involvement/leadership of the Transportation Engineering profession are critical to our impact on society.

Currently, I am Vice President and the Director of Transportation Engineering at BRW, Inc., headquartered in Minneapolis, Minnesota. In this position, I am responsible for the personnel and engineering management, marketing, and productivity for the Minneapolis Transportation Group.

Prior to joining BRW in 1991, I had a wonderful career with the Minnesota Department of Transportation. I began as an engineering technician in 1955. In 1986, after holding various positions in the department, I was appointed Deputy Commissioner/Chief Engineer. I became responsible for the management and operations of the state's multi-modal transportation system which included the management of 5000 employees, a budget of \$1.3 billion/year, \$450 million/year construction contracts awarded, the management of consultants and contractors involved in the process and development of a six-year construction work program. I was also responsible for numerous budget and legislative activities.

Some of my other accomplishments are as follows:

- **1974 President of the North Central Section of ITE.**
- **General Chair of the 1996 ITE 66th Annual Meeting in Minneapolis.**
- **Chair of the AASHTO Traffic Engineering Committee.**
- **Board Member of ITS Minnesota.**

Needless to say, I feel that my education, background, experience and desire to serve has prepared me for leadership in the Institute. One of my greatest personal assets is the energy and enthusiasm I bring to all of the duties and responsibilities I have undertaken throughout my career; the opportunity to serve as vice president of ITE would be no exception.

When the ballots reach your desk, I would greatly appreciate your consideration of my candidacy in this important election.



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