



Presentation to Members of the
Midwest Transportation Consortium
March 24, 2006



Today's Presentation

- About Earl Newman
- About City of Springfield
- What is the Institute of Transportation Engineers
- International Perspectives (If time permits)

About Earl Newman



About Earl Newman

- Assistant Director of Public Works in Charge of Traffic Engineering for Springfield, Missouri
- Hired as City Traffic Engineer in 1974 and have served all but six years with the City.
- Worked as Office Manager for a Midwest Consulting Firm for six years (1992 – 1998) before returning to City employment

About Earl Newman

- Graduate of University of Missouri – Columbia in 1967 w/ BSCE
- Graduate of the Bureau of Highway Traffic Program at Pennsylvania State University in 1972 w/ MECE

About Earl Newman

- Registered Professional Engineer in Missouri and Arkansas
- Certified in Accident Reconstruction by Central Missouri State University
- Certified as a Professional Traffic Operations Engineer (PTOE)

About Earl Newman

- Joined the Institute of Transportation Engineers in 1972 as a Member of the Student Chapter at Penn State University
- Held elected offices at the Chapter, Section and District Levels and am currently serving as International Vice-President of ITE
- Will serve as President of ITE in 2007



About Springfield (MO)

About Springfield (MO)

Metropolitan Statistical Area (MSA) Population: 390,000+



Missouri State University

About Springfield (MO)

Metro Springfield

The New Missouri

JOB GROWTH
 Nearly 25% of all new Missouri jobs
 With professional and business services, wholesale trade and health care sectors leading the way, Springfield led the state's job growth at 3.9 percent between March 2003 and March 2004. In that time frame, 24.2 percent of the net new jobs in Missouri were created within Springfield City Limits.

NATIONAL RECOGNITION
 MIDWESTERN BUSINESS
 JOURNAL OF COMMERCE
 JOC
 BEST CITIES

PROFESSIONAL SPORTS
 The City welcomes Springfield Cardinals Double A baseball to the \$30 million Hammond Field

ARTS & CULTURE
 Venues range from the state-of-the-art Performing Arts Center to the historic Creamery Arts Center and Landers Theatre. Public and private galleries as well as performing arts venues range from intimate to grand scale in offering diverse, culturally rich entertainment.

HIGHER EDUCATION
 Some 15 public and private universities and colleges educate more than 40,000 students a year. They offer advanced degrees and cutting-edge research via facilities such as the Jordan Valley Innovation Center

QUALITY OF LIFE
 Springfield's quality of life is greatly enhanced by the Gold Medal-winning Springfield-Greene County Parks System, which boasts 80 parks and facilities, including Cooper Tennis Complex, the Chestnutfield Aquatic Center, the newly expanded Dickerson Park Zoo, two-NHL regulation ice sheets at Jordan Valley Ice Park and 30 miles of Greenway trails.

Metro Springfield

The New Missouri

scorecard of metropolitan characteristics

	Springfield	St. Louis	Kansas City
Urban center city with major center city park	✓	✓	✓
Regional employment hub Workforce of more than 250,000	✓	✓	✓
Regional health care hub Nearly 2,100 hospital beds	✓	✓	✓
Regional shopping hub Nearly \$6 billion in annual retail sales	✓	✓	✓
Regional arts hub Art Museum, Performing Arts Center, Creamery Arts Center	✓	✓	✓
Regional airport One of the nation's fastest growing	✓	✓	✓
Major Universities SMU, Chry, Evangel More than 25,000 students	✓	✓	✓
Regional technical college OTC - Nearly 3,000 students	✓	✓	✓
Zoological park	✓	✓	✓
Botanical gardens	✓	✓	✓
Professional sports teams Cardinals Double A baseball & Lasers World Team Tennis	✓	✓	✓
Amateur sports tournament hub	✓	✓	✓
Federally Designated Metropolitan Transportation Management Area	✓	✓	✓
Center city of multi-county Metropolitan Statistical Area	✓	✓	✓
National publication recognition Inc. Magazine, Sports Illustrated, Federal Reserve Bulletin	✓	✓	✓

Third Largest Metro Area in Missouri

About Springfield (MO)



Bass Pro Headquarters



Springfield Cardinals Baseball

About Springfield (MO)

- Regional Center for Shopping, Medical, Educational Institutions & Employment
- Crossroads for Access to Branson
- Branson is just 35 miles to the South
and attracts over 7 million tourists/year
- It is estimated that 80% of tourists going to Branson pass through Springfield

About Springfield



Arterials Accommodate a Majority of Trips

About Springfield



Our Freeways Have Their Own Problems

About Springfield



Partners in Progress

About Springfield

Transportation Improvement Project Referendums - Formula For Success

1. Specific Listing of Projects
2. Includes Community Priorities for Safety Improvements & Congestion Relief
3. Accountability (Funding Sunsets in 3-4 years)
4. Based on Past Record of Staying on Time Within Budget
5. Voter Approval has Reached 82%



About Springfield



Using ITS to Improve Traffic Flow

About Springfield



Automated Email Alert System



Arterial & Freeway DMS



Transportation Management Center



HAR



Web

About Springfield

2005 National Traffic Signal Report Card

	<u>National Average</u>	<u>Springfield</u>
Proactive Management	58%	92%
Coordinated Signal Operation	61%	87%
Individual Signal Operation	73%	94%
Specialized Operation	58%	80%
Detection Systems	53%	87%
Maintenance	<u>67%</u>	<u>82%</u>
Total Overall Score	62%	87%



About Springfield

- 15 seconds of Fame
- Listed as one of the ten best performers in USA Today
- Springfield Signal System mentioned in a positive way in news reports on CNN, MSNBC, Associate Press Report
- Local Newspaper ran story three days later despite our own News Release



About Springfield

- Multi-jurisdictional Cooperation
- Citizens and City Council have made the traffic signal system a high priority with allocation of resources
- Successful leveraging of local funds with federal funds
- Commitment of staff to the support of the system

What is the Institute of Transportation Engineers (ITE)



The Leading Organization for Transportation Professionals



...for knowledge,
professional development,
career advancement and
networking.



ITE Members . . .

- Plan, Design, Implement, Operate & Maintain Transportation Systems Around the World.
- In the public sector, members are employed at the federal, state, county and local levels of government including MPO's.
- In the private sector, members are employed by consulting firms, and with equipment manufacturers and suppliers.
- At universities, professors may be employees of the public or private sector.

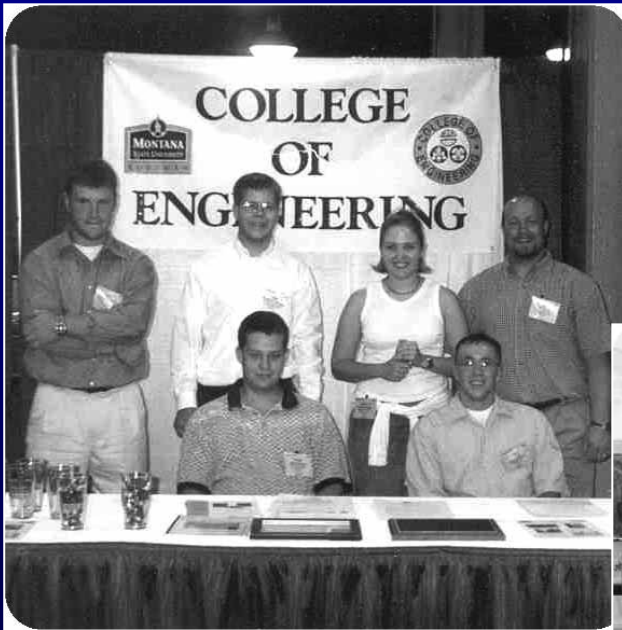


Join ITE's Global Network



- Nearly 17,000 members
- In 90+ countries
- 10 districts
- 83 local chapters
- 130 student chapters

Student Membership



- 130 chapters
 - 111 in the U.S.
 - 9 in Canada
 - 10 in other countries
- Over 3,000 student members

ITE Student Chapters

- ITE Student Chapters currently exist at the following Universities in the Midwest Consortium:
 - University of Missouri – Columbia
 - Dr. Carlos Sun, Faculty Advisor
 - Iowa State University – Ames
 - Dr. Edward Kannel, Faculty Advisor



ITE Executive Staff



Thomas W. Brahms
Executive Director and CEO



Peter W. Frentz
Associate Executive
Director and CFO



Philip J. Caruso
Deputy Executive
Director



Shelley J. Row
Associate Executive Director for
Technical Projects

ITE Executive Director & CEO



Congratulations on
30th Anniversary
as
Executive Director

Thomas W. Brahms



2006 Emphasis Areas (Mega Issues)

- Workforce Development
- Safety
- Management and Operations
- Designing for All System Users
- International Aspects of ITE
- Public Image and Relations



Mega Issue - Workforce Development

- Encourage students to enter the profession
- Mentor young members to be successful in their careers
- Ensure continuing education opportunities are available for all members

Leadership Development is Part of Workforce Development

Leadership Development is crucial:

- To the continued success of ITE
- To develop the skillset for leaders at all levels of ITE service
- To facilitate delivery of programs which serve the membership
- To identify and develop **future** leaders
- To recruit new members and retain current members



Leadership Development Action Plan

- Elected Leadership Training to be provided at all Levels. *A **Free** Webinar for Section / Chapter Officers is tentatively scheduled for May 24.*
- Begin a Mentoring Program for “Rising Stars”
- Create a Dynamic “Elected Leadership Manual” with Links to Other ITE Resources
- Provide New Leaders with “Welcome Packet”

Student Chapter Officers/Faculty Advisors Webinar

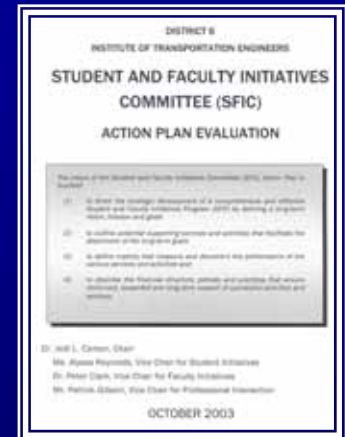
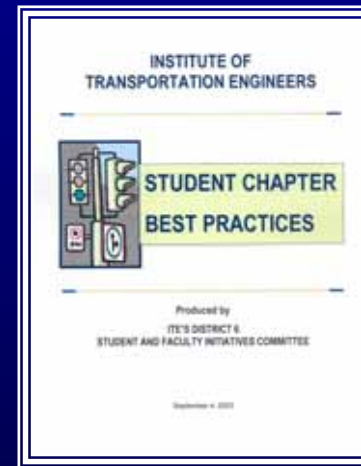
Topics covered include:

- Objective of Student Chapters
- Interaction w/Section & District Members
- Networking w/Other Student Chapters
- What Works/What Doesn't - Discussion
- Resources for Student Chapters



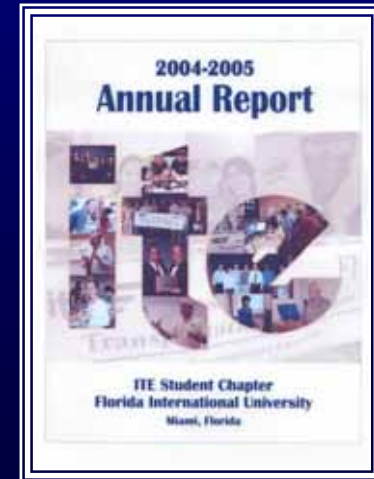
Student Chapter Resources

- Student Chapter Best Practices
- Manual for Student Chapter Advisors
- Action Plan for Student Chapter Initiatives



Student Chapter Resources

- Dues are waived for new student members
- Student Chapter Manual
- Example of Best Student Chapter Annual Report



Start a New Student Chapter

- Application to be submitted to District Board for approval.
- Application to include:
 - Description of your Transportation Program
 - List of Five ITE Student Members
 - Copy of Adopted Chapter By-Laws
 - Copy of Chapter Charter
 - Faculty Advisor a Member of ITE



New in 2006 - Membership in One Specialty Council Included with Dues

- Choose from Eleven Councils including:
Goods Movement, Management & Operations/ITS, Parking, Pedestrians & Bicycles, Public Agency, Traffic Engineering, Transit, Transportation Education, Expert Witness, Transportation Planning, Transportation Safety
- Contact Council Executive Committee for any council to **Get Involved**

ITE Members Benefit from:

- Meetings and Technical Conferences at All Levels of the Organization
- Transportation Products & Service Exhibits at ITE Meetings
- Publications
- Monthly Journal (*ITE Journal*)
- Webpage (www.ite.org)

Professional Development Program Fund



- 100% of contributions used to develop/ update courses
- 100% of income gained from sale of Professional Development CD modules is returned to program
- Contributions are Tax deductible

Professional Development Program Fund Modules



- Series of 1-hour modules
- Designed to be taught by knowledgeable volunteers
- Each CD contains:
 - PowerPoint slides
 - Speaker notes
 - Student handbook

Professional Development Program Fund Modules



Available now!
www.ite.org/bookstore

- MUTCD 2000 and 2003 Revisions
- Traffic Signal Change Intervals – English and Spanish
- Engineering Intersections to Reduce Red-Light Running – English and Spanish
- Managing High Technology Projects in Transportation

Professional Development Program Fund Modules



Available now!
www.ite.org/bookstore

- Fundamentals of Road Weather Management
- Introduction to Systems Engineering
- NEW! Trip Generation – Fundamentals and Applications
- NEW! Trip Generation – Advanced Concepts and Applications

ITE Web Seminars (Webinars)

- 100 Webinars and 70 Web Briefings are planned in 2006 (Cost Effective Training!)
- Review Schedule & Sign Up at www.ite.org
- Coming in April 2006
 - Innovative Bicycle Treatments
 - Developing Traffic Signal Timing Plans
 - Advanced Signal Timing Concepts
 - Ethics for the Transportation Professional
 - Using Performance Measures (Web Briefing)

Online Learning Gateway



Online Learning Courses

Available Now

- Transportation Planning—Site Impact Analysis
- Traffic Control Devices—Traffic Signal Needs Determination
- Capacity Analysis—Signalized Intersections
- Safety Analysis—Signalized Intersections

Online Learning Courses

Under Development

- Pedestrian Accessibility: Introduction and Context
- Planning for Accessible Pedestrian Rights-of-Way
- Accessible Sidewalks and Pedestrian Access
- Accessible Pedestrian Crossings

Professional Certification

Transportation
Professional
Certification
Board Inc.

*Affiliated with the
Institute of
Transportation Engineers*

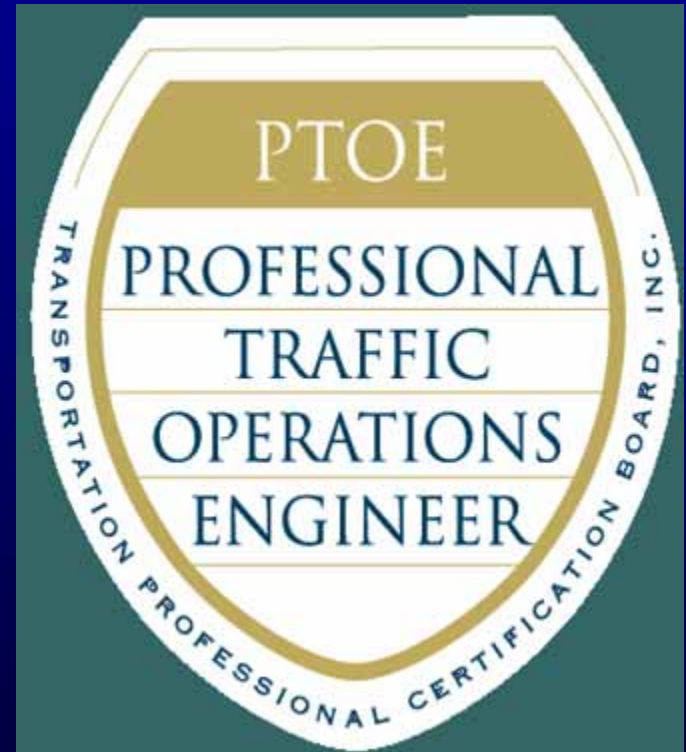


Professional Certification (PTOE)

Over 1,500 Certified Professional Traffic Operations Engineers™

PTOE is required in some job qualifications and requests for proposals for consulting projects.

PTOE Refresher Course offered as series of Webinars. Check www.ite.org for schedule.



New Certifications in 2006

- TOPS Traffic Operations Practitioner Specialist
- TSOS Traffic Signal Operations Specialist

Intended for Highly Skilled Technicians or EIT's
First Tests in Milwaukee August 5 and at Multiple
Sites in the U.S. and Canada on October 21
Textbooks and Refresher Training to be Provided
Prior to the Exams

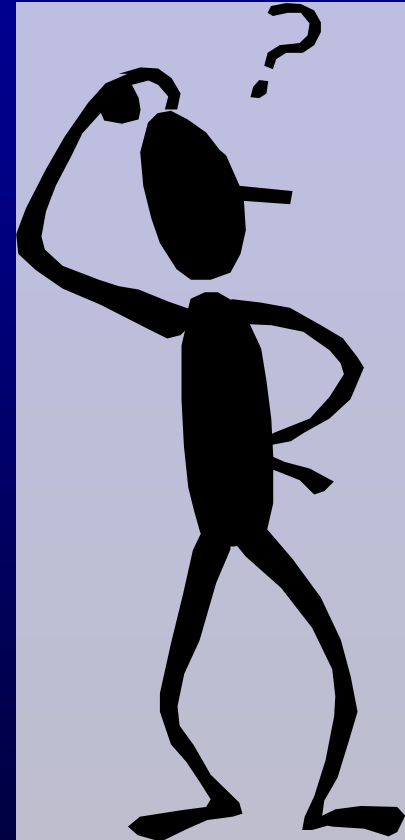


Professional Certification: What's Next?

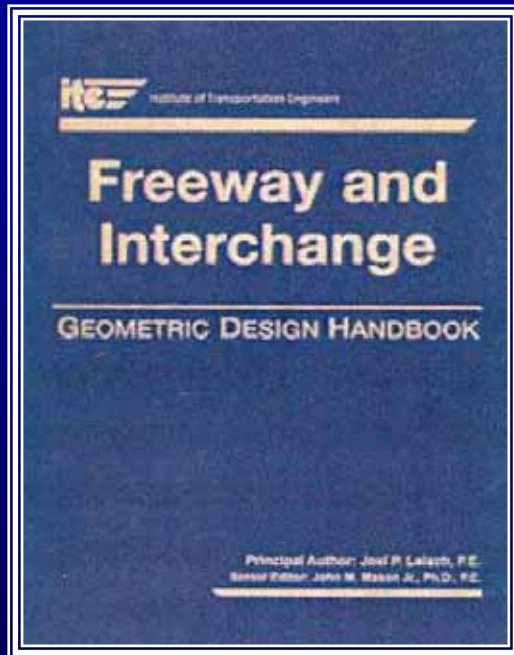
Transportation Planner Certification

For professionals who have a wide range of education and experience in transportation planning

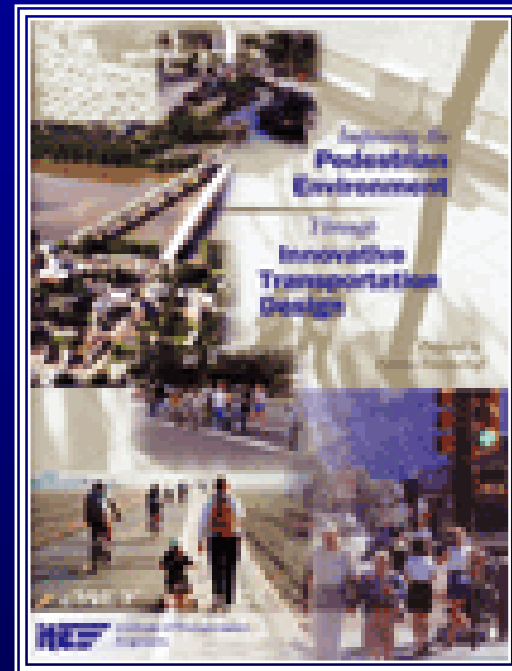
First Exam planned for 2007



New Publications

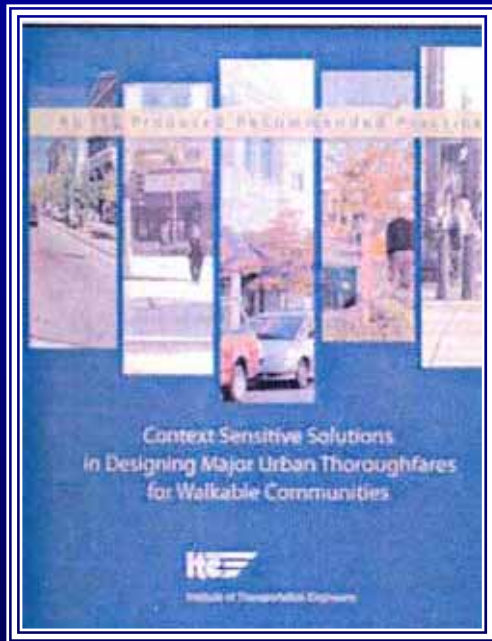


Freeway and Interchange
Geometric Design Handbook

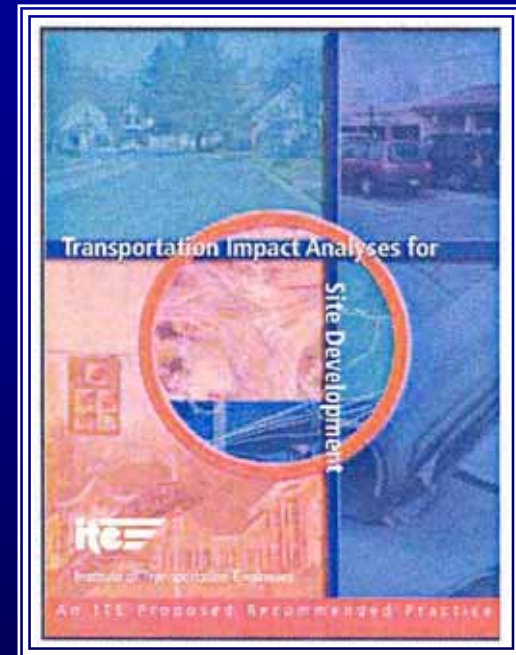


Improving the Pedestrian
Environment Through Innovative
Transportation Design

New Publications



Context Sensitive Solutions in
Designing Major Urban
Thoroughfares for Walkable
Communities



Transportation Impact
Analyses for Site
Development

New Publications – Coming Soon!

- *Planning, Designing and Engineering for Pedestrians and Bicycles: State of the Practice*

2006 Mid-Year Technical Conference and 2006 Annual Meeting & Exhibit



March 19-22, 2006

San Antonio, TX



August 6-9, 2006

Milwaukee, WI

Future ITE Annual Meetings and Exhibits

August 6-9, 2006
Milwaukee, WI, USA

August 9-12, 2009
San Antonio, TX, USA

August 5-8, 2007
Pittsburgh, PA, USA

August 8-11, 2010
Vancouver, BC, Canada

August 17-20, 2008
Anaheim, CA, USA

August 7-10, 2011
St. Louis, MO, USA





***“BRINGING
ITE TO YOU”***

