Transportation Professionals in Action
North Central Section
Institute of Transportation Engineers


PREPARED BY:

NICHOLAS ERPELDING
2010 NCITE SECRETARY / 2011 NCITE VICE PRESIDENT

KATIE BRUWELHEIDE
2011 NCITE MEMBERSHIP GUIDE EDITOR

MARCH 2011
Table of Contents

A MESSAGE FROM NCITE’S 2011 PRESIDENT ................................................................. I

EXECUTIVE SUMMARY ............................................................................................... II

INTRODUCTION .............................................................................................................. 1

ELECTED LEADERSHIP ................................................................................................. 1

PURPOSE, MISSION AND GOALS ................................................................................. 1

NCITE ORGANIZATION ................................................................................................. 3

2011 EXECUTIVE BOARD (UPCOMING YEAR) ......................................................... 3

2010 EXECUTIVE BOARD (PREVIOUS YEAR) .......................................................... 4

PAST NCITE PRESIDENTS .............................................................................................. 4

PAST MIDWESTERN ITE DISTRICT 4 DIRECTORS .................................................. 5

MEMBERSHIP ................................................................................................................ 6

SECTION MEMBERSHIP ............................................................................................... 6

NEW MEMBERS ............................................................................................................. 6

SECTION DISTINGUISHED MEMBERS ...................................................................... 8

SECTION LIFE MEMBERS ............................................................................................ 8

SECTION LIFE AFFILIATES .......................................................................................... 9

MEMBERSHIP SERVICES ............................................................................................... 10

2010 MEETING SUMMARIES ....................................................................................... 10

SECTION MEETINGS ...................................................................................................... 10

SUMMER SOCIAL .......................................................................................................... 19

PAST PRESIDENTS MEETING ........................................................................................ 19

ANNUAL MEETING ........................................................................................................ 20

2010 EXECUTIVE BOARD MEETINGS ....................................................................... 21

TENTATIVE 2011 SCHEDULE ......................................................................................... 21

COMMITTEES .................................................................................................................. 24

TECHNICAL COMMITTEES: .......................................................................................... 24

STANDING COMMITTEES: ........................................................................................... 28

AWARDS AND SCHOLARSHIPS ................................................................................. 31

PAST PRESIDENTS AWARD .......................................................................................... 31

YOUNG TRANSPORTATION PROFESSIONAL OF THE YEAR AWARD .................. 31

STUDENT PAPER AWARD ........................................................................................... 32

SCHOLARSHIPS .............................................................................................................. 32

PROFESSIONAL DEVELOPMENT TRAINING AND OUTREACH ......................... 32

LEGISLATIVE ACTIVITIES ............................................................................................. 33

FINANCES ....................................................................................................................... 33

SUMMARY ....................................................................................................................... 34

APPENDICES .................................................................................................................. 35

APPENDIX A: 2011 ITE MIDWESTERN DISTRICT OFFICERS AND REPRESENTATIVES ................................................................. 36

APPENDIX B: DISTRICT AND SECTION RULES AND RESPONSIBILITIES ................ 38
Editor’s Note: To best serve our members, NCITE’s Annual Report and Yearbook were combined into one document in 2009. This 2010 Annual Report / 2011 Membership Guide is the 2nd edition of the combined format.

This document summarizes the past year including our section meetings, training and special events; provides contact information for your past and current NCITE executive committees and Midwestern Board, and committee chairs serving you; and contains information on upcoming events. As always, remember to check the NCITE website at www.nc-ite.org for the most current information available.

A current membership directory (in interactive PDF format) will be emailed separately to all members.
A MESSAGE FROM NCITE’S 2011 PRESIDENT

2010 was a busy year for NCITE. The Executive Board began by setting goals and objectives to guide the activities of NCITE. Throughout the year members were provided opportunities to attend section meetings on a variety of interesting and timely topics and training opportunities were made available. Our Committee Chairs continued to provide an excellent forum to network, discuss pertinent topics and listen to speakers on current issues in transportation.

A highlight of the year was hosting the Midwestern ITE Annual Meeting, “Building for Tomorrow”. The meeting was held in June at the Depot in downtown Minneapolis and was very well attended. As promised, an excellent technical program and outstanding tours were made available for those in attendance. The meeting ended with a Twins game at the new Target Field. The Twins pulled off a big win and members attending the game were “circled by Bert” on TV.

As 2010 came to an end, work on NCITE’s newly designed website began to come to a close with the site up and running shortly after the New Year. We ended the year with our Annual Meeting held at the Science Museum and the newly elected 2011 Board being introduced. Through the dedication and efforts of the 2010 Executive Committee, all of the committee chairs and the members of NCITE, 2010 was not only busy, but a successful year.

As we move into 2011 we continue to strive to remain a strong and successful organization. With the economy still struggling agencies are taking a harder look at what is important and beneficial for their employee’s success. Our goal is to provide opportunities that are worthy and will fill that need.

Technical Committees and Section Meetings are an excellent way to network with fellow professionals while learning and staying current on projects and ideas in the transportation field. The 2011 Executive Board and Technical and Standing Committee Chairs have already been hard at work planning meetings and trainings that will be relevant and of interest to our members. The Student Activities Co-Chairs are working with the students providing scholarships and networking opportunities. Technical committees are open to all members of NCITE to participate in. If you are interested in sitting in on a meeting and seeing what it is about contact the chair and they will provide you more information. Please contact any chair or executive committee member with questions or suggestions that you might have for section meetings, training opportunities or other ideas.

I look forward to the year ahead and thank you for your support of NCITE. I am not the first to say it and I am sure that I will not be the last, but it is the members that make the organization what it is. I am honored to serve as your 2011 President.

Sincerely,

Sue Zarling, P.E., PTOE
2011 NCITE President
EXECUTIVE SUMMARY

2010 was another successful year for NCITE and its members. NCITE Technical Committees continued to be active and a new Discussion Group was added, which creates opportunities and brings additional information to our members. The tradition of strong Section Meetings, providing multiple Professional Development opportunities and actively engaging our student chapter was continued. Long-range goal setting, which began in previous years, has continued to be built upon to help NCITE move forward into the future.

Meetings
- NCITE held eight Section Meetings covering a range of timely transportation topics. The times of the meetings varied from breakfast to lunch meetings. Extended meetings were held involving several speakers along with shorter meetings with one speaker.
- NCITE Members and their guests enjoyed touring the exhibits, and socializing at the Annual Meeting held at the Science Museum of Minnesota in St. Paul in November.
- The June Summer Social, held this year in conjunction with the MidwesternITE Annual Meeting, continued to be a very popular event. This year, NCITE members and their guests enjoyed an evening of outdoor baseball at the Minnesota Twins new ballpark.
- The NCITE Executive Board met 11 times.
- NCITE’s five Technical Committees (Geometric Design, Intersection Traffic Control, ITS, Pedestrian and Traffic Safety, and Planning Methods and Applications) met regularly and remained active discussing current issues in their areas. NCITE’s Traffic Operation and Maintenance Discussion Group, in their second year, continued to meet monthly.
- The Past President’s meeting in April gave past leaders of NCITE an opportunity to share their ideas with current section leadership.

Student Activities
- NCITE awarded $3,500 in scholarships:
  - one (1) $1,000 Underclassmen Student Scholarship.
  - two (2) $1,000 Undergraduate Student Scholarships.
  - one (1) $500 Graduate Student Scholarship.
- NCITE presented $500 for a Student Paper Award.
- NCITE held a joint section meeting with the University of Minnesota Student Chapter in March.
- Funding was made available for student chapters of the University of Minnesota and North Dakota State University.

Awards
NCITE and its members received the following awards in 2010:

- Midwestern District 2009 Section Website Award.
• The NCITE Past President’s Award for an individual who has made outstanding contributions to NCITE, ITE and/or through achievements in the Transportation/Traffic Engineering profession was presented to Bob Green.
• The NCITE Young Transportation Professional of the Year Award for an individual who is 35 years old or younger, and who is making outstanding contribution to NCITE was presented to Mike Anderson.

Communications / Membership
• NCITE published five INCITER Newsletters, including a new Election Edition.
• NCITE’s Annual Report and Yearbook were combined into one document in 2010. This document received the title “2009 Annual Report / 2010 Membership Guide.”
• NCITE began the process of developing a completely new website to better serve its members. The new website was set to go live in early 2011.
• NCITE welcomed 23 new members in 2010. Of these, 3 were ITE members, 18 were student members, and 2 were Section Affiliates.

Professional Development and Outreach
• NCITE hosted its 19th Annual Workshop on Traffic Engineering Fundamentals in February.
• NCITE held two related professional development training opportunities. The topics were pedestrian and bicycle system planning and design.
• NCITE also put on a refresher course for the Professional Traffic Operations Engineer (PTOE) exam.

Legislative Activities
NCITE was active in transportation legislative issues through keeping track of specific legislation and communicating key legislative activities to its members.
INTRODUCTION

The North Central Section of the Institute of Transportation Engineers (NCITE) consists of Institute members residing in Minnesota, North Dakota, and South Dakota and affiliated persons. NCITE is a section within the ITE’s District 4, which covers the mid-western states.

NCITE was organized early in 1963 and, like its parent organization, the Institute, has its roots in the traffic engineering profession.

Today, NCITE members reflect the diversity of our profession, and count planners, architects, retired professionals, and technicians among its membership. One only needs to be active in the field of transportation to be eligible to join the Institute as an Associate Member.

There are three active student chapters of ITE in the Section. The University of Minnesota in Minneapolis, North Dakota State University in Fargo, and South Dakota State University in Brookings. All have very active ITE student chapters, with students regularly attending NCITE Section meetings and functions.

Elected Leadership

The NCITE Executive Board consists of eight (8) elected members who act as:

- President
- Vice President
- Secretary
- Treasurer
- Directors (3)
- Past President

Election as NCITE Secretary begins a four-year commitment to the Executive Board. The Secretary is also Vice President Elect, after one year automatically becoming Vice President, and President Elect the following year. The third year is served as President and the fourth year, is served as Immediate Past President and is the last year on the Board. This progression provides continuity between Boards and builds in a level of institutional knowledge to the Board.
The NCITE Executive Board elections are held in the fall of each year with the result announced at the Annual Meeting. NCITE has been conducting elections online since 2008. The “ElectionsOnline” (www.electionsonline.us) service administered the online elections. Holding the elections online resulted in an excellent voter turnout with 133 ballots being cast out of a possible 375. This resulted in a 35.47% ballot return rate for the 2011 election.

Purpose, Mission and Goals

The Purpose and Goals of NCITE are spelled out in our Charter:

1. Advance the objectives of the Institute;
2. Foster closer association of Institute members;
3. Encourage members to prepare or discuss papers;
4. Prepare suggestions on matters of policy to the Board of Direction of the Institute;
5. Consider local transportation and traffic engineering problems;
6. Cooperate with other local engineering groups on matters of common interest;
7. Present the transportation and traffic engineering point of view consistent with established institute policies;
8. Encourage the introduction of transportation and traffic engineering courses in colleges, universities and technical schools in the Section.

The NCITE Executive Board strives to achieve these goals through section activities:

- Ensuring Strong Commitment to Professional Development Opportunities for Members
- Continuing Outreach to non Transportation Professionals to teach and promote Transportation Principals and Professions.
- Providing Information to our membership through newsletters, publications, committee reports and board meeting minutes.
- Acting as a resource to members to find information and opinions through our web page and mentoring.
- Providing leadership opportunities for members through committee chairmanships and executive board opportunities.
- Promoting technology through research and implementation
NCITE ORGANIZATION

2011 Executive Board (Upcoming Year)

President: Sue Zarling
Mn/DOT
(651) 234-7052
susan.zarling@state.mn.us

Directors: Joe Gustafson
Washington County
(651) 430-4300
joe.gustafson@co.washington.mn.us

Vice President: Nick Erpelding
Westwood Professional Services
(952) 906-7444
nick.erpelding@westwoodps.com

Dave Hirsch
Stonebrook Engineering
(952) 402-9202
dhirsch@stonebrookeengineering.com

Secretary: JoNette Kuhnau
Kimley-Horn and Associates, Inc.
(651) 643-0464
jonette.kuhnau@kimley-horn.com

Scott Poska
SRF Consulting Group
(763) 475-0010
sposka@srfconsulting.com.com

Treasurer: Mike Anderson
Alliant Engineering
(612) 767-9340
manderson@alliant-inc.com

Past President: Kristi Sebastian
Dakota County
(952) 891-7178
kristi.sebastian@co.dakota.mn.us
2010 Executive Board (Previous Year)

**President:**
Kristi Sebastian  
Dakota County  
(952) 891-7178  
kristi.sebastian@co.dakota.mn.us

**Directors:**
Katie Bruwelheide  
Alliant Engineering, Inc.  
(612) 767-9328  
kbruwelheide@alliant-inc.com

**Vice President:**
Sue Zarling  
Mn/DOT  
(651) 234-7052  
susan.zarling@state.mn.us

**Tim Plath**  
City of Eagan  
(651) 675-5643  
tplath@cityofeagan.com

**Secretary:**
Nick Erpelding  
Westwood Professional Services  
(952) 906-7444  
nick.erpelding@westwoodps.com

**Craig Vaughn**  
SRF Consulting  
(763) 249-6774  
cvaughn@srfconsulting.com

**Treasurer:**  
JoNette Kuhnau  
Kimley-Horn and Associates, Inc.  
(651) 643-0464  
jonette.kuhnau@kimley-horn.com

**Past President:**  
Randy Newton  
City of Eden Prairie  
(952) 949-8339  
rnewton@edenprairie.org
### Past NCITE Presidents

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Year</th>
<th>Name</th>
<th>Year</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1963</td>
<td>Deane Wenger-D</td>
<td>1979</td>
<td>Mathew Huber-D</td>
<td>1995</td>
<td>Bernie Arseneau</td>
</tr>
<tr>
<td>1967</td>
<td>Edward Bather-R</td>
<td>1983</td>
<td>Charles Wold-D</td>
<td>1999</td>
<td>Todd Foster</td>
</tr>
<tr>
<td>1977</td>
<td>Thomas Campbell-R</td>
<td>1993</td>
<td>Allan Klugman</td>
<td>2009</td>
<td>Randy Newton</td>
</tr>
</tbody>
</table>

**KEY:**  
D - Deceased  
R - Retired  
M - Moved out of Section

### Past Midwestern ITE District 4 Directors

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Section</th>
<th>Year</th>
<th>Name</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>1960-61</td>
<td>Evan E. Olmstead</td>
<td>Midwest</td>
<td>1984</td>
<td>C. Todd Heglund</td>
<td>NCITE</td>
</tr>
<tr>
<td></td>
<td><em>Elections for District Directors Started in 1962</em></td>
<td></td>
<td>1985</td>
<td>Jack W. Anderson</td>
<td>NCITE</td>
</tr>
<tr>
<td>1964-65</td>
<td>John E. Baerwald</td>
<td>Midwest</td>
<td>1989-91</td>
<td>Garry M. Metcalf</td>
<td>MOVITE</td>
</tr>
<tr>
<td>1970-71</td>
<td>Harvey Shebesta</td>
<td>Wisconsin</td>
<td>2001-03</td>
<td>Earl E. Newman</td>
<td>MOVITE</td>
</tr>
<tr>
<td>1972-73</td>
<td>Edward C. Bather</td>
<td>NCITE</td>
<td>2004-07</td>
<td>Kenneth H. Voigt</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>1974-76</td>
<td>Martin E. Blachman</td>
<td>Illinois</td>
<td>2008-9</td>
<td>Stephen J. Manhart</td>
<td>NCITE</td>
</tr>
</tbody>
</table>

*District 4 started on March 6, 1949*
MEMBERSHIP
The North Central Section of the Institute of Transportation Engineers (NCITE) welcomes membership from persons who are engaged in the fields of transportation or traffic engineering and planning. The Section has two membership grades -- Section Member and Section Affiliate.

NCITE Membership continues to reflect the diverse professions that comprise the transportation community in Minnesota and the Dakotas. At 377 members, NCITE strives to provide opportunities for every member to get to know each other both professionally and personally.

Section Membership
SECTION MEMBER. Any voting member of International ITE residing in Minnesota, North Dakota or South Dakota can be a North Central Section Member by filing this application with the Section Secretary or Membership Chair and paying the current year's annual dues, collected by International ITE. A Section Member can be classified as either an Agency Member or a Current Member depending on whether they are an individual member or a member through their employer.

SECTION AFFILIATE. Those persons who have an interest in transportation or traffic engineering and/or planning, but are not eligible to be voting members of the International ITE, may become Section Affiliates. Section Affiliates need not reside in the three states that comprise the North Central Section.

As of February 9th, 2011, NCITE had the following Membership stats by state:

<table>
<thead>
<tr>
<th>STATE</th>
<th>Member Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minnesota</td>
<td>328</td>
</tr>
<tr>
<td>North Dakota</td>
<td>28</td>
</tr>
<tr>
<td>South Dakota</td>
<td>18</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>377</strong></td>
</tr>
</tbody>
</table>

Of NCITE’s 377 members, 92 were members through their agency and 27 were Section Affiliates.

New Members
NCITE is only as strong as its individual members. We strive to continually reinforce the value of NCITE membership to our current members, and to continue to expand our community by obtaining new members. In 2010, we welcomed 23 new members; 3 ITE members, 18 new Student members and 2 new Section Affiliate members.
These members within NCITE are as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Member Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eric Johnson</td>
<td>Member</td>
</tr>
<tr>
<td>Derek Nieveen</td>
<td>Member</td>
</tr>
<tr>
<td>Jordan Mancl</td>
<td>Member</td>
</tr>
<tr>
<td>Andrew Andrusko</td>
<td>Student</td>
</tr>
<tr>
<td>Michael Bittner</td>
<td>Student</td>
</tr>
<tr>
<td>John Fahrendorf</td>
<td>Student</td>
</tr>
<tr>
<td>Ryan Jann</td>
<td>Student</td>
</tr>
<tr>
<td>Nicklaus Ollrich</td>
<td>Student</td>
</tr>
<tr>
<td>Adam Smith</td>
<td>Student</td>
</tr>
<tr>
<td>Jason Anderson,</td>
<td>Student</td>
</tr>
<tr>
<td>Kristine Elwood</td>
<td>Student</td>
</tr>
<tr>
<td>Samuel Helgeson</td>
<td>Student</td>
</tr>
<tr>
<td>Matthew Jacobson-Heck</td>
<td>Student</td>
</tr>
<tr>
<td>Shihan Li</td>
<td>Student</td>
</tr>
<tr>
<td>Whitney Schoep</td>
<td>Student</td>
</tr>
<tr>
<td>Jordan Siewert</td>
<td>Student</td>
</tr>
<tr>
<td>Samuel Trau</td>
<td>Student</td>
</tr>
<tr>
<td>Andrew Vistad</td>
<td>Student</td>
</tr>
<tr>
<td>Christopher Becklin</td>
<td>Student</td>
</tr>
<tr>
<td>Ziheng Lin</td>
<td>Student</td>
</tr>
<tr>
<td>Joseph Rezac</td>
<td>Student</td>
</tr>
<tr>
<td>Elliott Moore</td>
<td>Affiliate</td>
</tr>
<tr>
<td>Jeff Pearson</td>
<td>Affiliate</td>
</tr>
</tbody>
</table>

Section Distinguished Members

Distinguished Members of the Section are Section Members who have performed long-standing, notable, and exemplary service in the interests of the Section and of the transportation or traffic engineering profession. Section Distinguished Members are exempt from further Section annual dues and any special assessments, and are entitled to all of the rights and privileges of Section membership. The number of living Distinguished Members is limited to three (3) percent of the total Section membership on the preceding January 1, excluding Student members.

Edward Bather          Sam Fischer – D
Lyle Berg              Jim Spicola – D
Tom Campbell           Deane Wenger – D
Doug Differt           Matt Huber - D
Dave Koski             Sheldon Johnson
Howard Preston         

Section Life Members

The designation of Section Life Member membership status is given by the Executive Board upon receipt of written request. Any Section Member who is a member in good standing in the Institute and who has reached the age of 55, has paid the Institute dues above the Student Level for 20 years, including the current year, and is no longer
deriving his or her principal income from the practice of transportation or traffic engineering, shall be eligible to be a Section Life Member. Section Life Members shall be entitled to all of the rights and privileges of their Section membership classification; except that the Board may adopt policies governing the placement of Section Life Members on inactive status, and providing a procedure for persons on inactive status to exclude themselves from receiving some or all Section mailings and publications not related to elections, voting and voting eligibility.

Gordon Adams          Robert G. Peterson
Helmer D. Christenson  Perry C. Plank
Kenneth Olson         Jerry Smrcka
Robert H. Roettger    Sheldon Johnson
Mike Belrose          Dallas Hildebrand
James Zalusky         Robert P. Sands
Peter A. Fausch       Robert A. Kurpius - D
Richard P. Wolsfeld Jr.

Section Life Affiliates
The designation of Section Life Affiliate membership status, similar to Section Life Member status, is given by the Executive Board upon receipt of written request. Any Section Affiliate who is a member in good standing in the Section and who has reached the age of 55, has paid Section dues above the Student Level for 20 years, including the current year, and is no longer deriving his or her principal income from the practice of transportation or traffic engineering, shall be eligible to be a Section Life Affiliate. Section Life Affiliates shall be entitled to all of the rights and privileges of their Section Affiliate classification; except that the Board may adopt policies governing the placement of Section Life Affiliates on inactive status, and providing a procedure for persons on inactive status to exclude themselves from receiving some or all Section mailings and publications not related to elections, voting and voting eligibility.

Harold Ameter
Carl Hoffstedt
James Newland - I

KEY:    D-Deceased   I-Inactive
Membership Services

Our Board and Membership Chair are committed to ensuring that members see and feel value in being a part of NCITE. The goal of bringing value to our members is accomplished in the various activities and initiatives our section accomplished this year:

- Holding monthly technical section meeting sessions throughout the year.
- Providing an Annual Report and Membership Guide
- Listing all members and their contact information for members to access.
- Maintaining an easy to navigate web page, where members may find information on the organization, read the quarterly newsletter and find extensive archive of Executive Board and Committee meeting minutes.
- Developing partnerships with other transportation organizations in the Midwest, including:
  - ITS Minnesota
  - WTS Minnesota Chapter
  - Minnesota Local Technical Assistance Program (LTAP)
  - American Traffic Safety Services Association (ATSSA)
  - University of Minnesota
  - North Dakota State University
  - City Engineers Association of Minnesota (CEAM)
  - Minnesota County Engineers Association (MCEA)

- Offering several professional development opportunities for our members. These training courses, usually offered at lower rates for our members, provide an opportunity for our members to obtain professional development hours, while obtaining detailed technical training.

- Supporting Midwestern and National ITE Events for members through sending board members to the section and national meeting, promoting events at section meetings and highlighting meetings in our newsletter.

- Supporting student activities and attendance at meetings to encourage the future of the transportation profession.
2010 MEETING SUMMARIES

Section Meetings
NCITE strives to hold a minimum of seven (7) Section Meetings every year. These meetings are typically held in the months of January, February, March, April, May, September, and October. In 2010, an additional meeting was held in December. The meetings include networking prior to a lunch or breakfast followed by a welcome by the president, introduction of all members in attendance, brief overview of section and ITE activities followed by the keynote speaker or presenters on a timely transportation topic of interest to the membership. A summer social is held which includes a fun activity for members to get to know each other better. Our Annual Section Meeting is held in November and is covered in detail in the next section.

January 13 – Lunch at Best Western Kelly Inn, St. Paul
Topic: Northstar Commuter Rail Line

Bryan Dodds, Director of MnDOT’s Metro District Transit Section gave an approximately 45-minute presentation on the planning, design, construction, and initial operation of the Northstar commuter rail corridor. Bryan’s entertaining and well-delivered presentation included construction photos and a short computer generated animation of the route. Other quick facts from presentation:

- The 40-mile corridor was originally planned for 80 miles but limited due to funding constraints based on ridership projections.
- Five peak direction plus one off-peak direction roundtrips occur per workday, with three roundtrips per weekend day.
- Projected ridership for 2030 is 5,900 person-trips per day.
- Five suburban stations plus one downtown Minneapolis station were originally planned. The Fridley station was added after additional funding was secured.
- The $317 million budget included $108 million payment to BNSF for use of tracks.
- Delivery of the Northstar line was a 10-year process from funding through design and construction to operation.
- Construction was split among multiple contracts to allow for more competitive bids.
- The Twins new ballpark was approved after design was completed and led to a change order, added cost and coordination. Twins contributed to funding of project.

February 18 – Breakfast at Jax Café, Minneapolis
Topic: Non-Motorized Transportation Pilot Program

Joan Pasiuk, Bicycling & Walking Program Director, Transit For Livable Communities, first delivered a 30-minute talk on the history, purpose, and progress of the Non-
motorized Transportation Pilot (NTP) Program. The following points summarize some of the key items from her presentation:

- The NTP Program was created in 2005 as part of the SAFETEA-LU congressional transportation bill. Congressman Jim Oberstar was instrumental in inclusion of the NTP Program within this large piece of legislation.
- 4 cities were chosen to receive grants for bicycle and pedestrian enhancements as part of the NTP program: Minneapolis; Sheboygan, Wisconsin; Columbia, Missouri; and Marin County, California.
- Transit for Livable Communities (TLC)—a Twin Cities non-profit organization formed in 1996—was chosen to administer the provisions of the NTP project locally.
- Minneapolis’ share of the funding for the NTP Program was $22 million. The stipulation for receiving this funding was to accelerate the increase in use of alternate transportation modes in the Twin Cities area through capital improvements, along with other improvements in areas Joan termed the "5 E's:" Enforcement, Education, Encouragement, Engineering, and Evaluation.
- Before sharing how TLC has attempted to best use the grant funding, Ms. Pasiuk challenged the audience to provide suggestions of how they might use the funding dollars. Many of the suggestions, such as winter maintenance of ped/bike facility, are strategies that the TLC is using to increase use of non-motorized travel modes.
- Ms. Pasiuk also stressed the importance of increasing the investment in technology that needs to be made to accurately count the amount of travel being made by non-motorized modes to be able to accurately compare these modes to traditional motorized modes. Only with better measurement will recognition of bike/walk modes begin to be considered on a par with motorized travel.

Shaun Murphy, Coordinator, City of Minneapolis Non-Motorized Transportation Pilot Program, followed with a talk that focused on the some of the particular strategies that Minneapolis is hoping to employ as part of the NTP Program. He also touched on the difficulty of implementing some projects and some of his background experiences that led him to his current role.

- Mr. Murphy started his speech by describing his background in education (as opposed to traffic engineering) and how he left that field to search out a career promoting bike/walk modes.
- He also talked in great detail about a trip to Europe that was influential in molding his ideas about biking and walking as legitimate transportation modes.
- After covering his background and approach to how he saw Minneapolis making best use of NTP funds, Mr. Murphy first started by noting baseline conditions in Minneapolis. Currently, about 40 miles of street in Minneapolis have provisions for
the bicycle mode (out of 1,200 total). The hope for the NTP project is to double that number to 80 by the end of 2010.

- He talked about the different neighborhoods of Minneapolis and their differing levels of use of non-motorized modes. Among the highest is the University of Minnesota campus, with the top level of the Washington Avenue Bridge and 15th Avenue SE being peak locations.
- Interestingly, crash data shows that the U of M neighborhood is unexpectedly not show the highest rates of ped/vehicle and bike/vehicle crashes. Mr. Murphy’s hunch is that this is due to a “safety in numbers”-type effect.

March 3 – Lunch at Coffman Memorial Union, University of Minnesota

Joint Meeting with the University of Minnesota Student Chapter
Topic: The Future of Traffic Monitoring

The first item of business at the March Section meeting was the presentation of the 2010 NCITE scholarships and student paper award.

Dr. Henry Liu, Professor of Civil Engineering at the University of Minnesota then took the podium to deliver an insightful look at how operators of our freeway and arterial street network might be able to better measure and monitor the traffic flow on their systems, potentially leading to advances in managing traffic and providing better information to users on current roadway traffic conditions.

Highlights from his presentation:

- Dr. Liu’s research project on the subject, in its fifth year, is titled SMART-SIGNAL, SMART is an acronym for Systematic Monitoring of Arterial Road Traffic and Signals.
- The Presentation (and project) focused not on new detection technologies, but rather how to better utilize existing technologies to better and more deeply observe traffic flow.
- The 2007 National Traffic Signal Report Card gave a grade of “F” to traffic monitoring and “D” to the state of traffic signals overall. SMART-SIGNAL technology aims to improve these grades.
- Speed is a function of volume and occupancy. The problem in using single detectors to measure speed has traditionally been that unless vehicle length is known, speed cannot be calculated. There is no great way to measure vehicle length directly. The solution Dr. Liu has found is to measure vehicle length in relative terms. After removing long vehicles from the calculation, a very close approximation of the speed of the traffic stream can be derived.
- Queuing has also been difficult to measure with single detectors when the queue extends beyond the detector location. By analyzing looking more closely at volume and occupancy data, SMART-SIGNAL technology is able to estimate how
long queues are during each cycle in real time, even when spillback from upstream intersections occurs.

- Dr. Liu stressed the importance of performing the needed individual vehicle calculations on detector data before the data is aggregated and used for other purposes.

April 15 – Lunch at the Union Depot, St. Paul
Topic: The Transportation and Architectural Renovation of Minnesota’s Union Depot

Steve Morris, Project Manager with the Ramsey County Regional Railroad Authority and Greg Brown, Engineering Manager with URS Corporation delivered a two-part presentation first covering the purpose and vision of the project followed by some of the engineering obstacles that the team has been working to overcome. Highlights:

- Mr. Smith first covered the definitions of the three categories of rail travel from traditional (less than 80 mph) to high speed (greater than 110 mph).
- Mr. Smith provided some background on the history of St. Paul’s Union Depot from its initial completion in the 1920s, to its heavy use as a rail and freight hub, to its decommissioning as a passenger hub in the 1960s with the creation of AMTRAK as a national passenger rail system, to its current use as a United States Postal Service truck loading facility.

Artists Rendering of Renovated Union Depot
Source: http://uniondepot.org/

- Mr. Smith then covered the reasons and motivation for the current push to retransform the Union Depot back into a passenger rail hub. He also discussed some of the funding sources (LOCATE Project, SAFETEA-LU, ARRA) that have been essential in helping to move this project forward.
- Mr. Brown provided more detail on the 1971 transition from rail hub to USPS trucking facility and its impact on today’s reconversion project.
Mr. Brown then discussed some of the unique requirements that AMTRAK and the other modes (Bus, Light Rail, Commuter Rail) have that have made planning for their eventual inclusion as users of the Union Depot hub a challenging task. One example is an underground luggage moving system for AMTRAK.

Mr. Brown showed some of the plan sheets that have been produced to illustrate the amount of detail that is required for a project of this complexity.

Following the presentation, Mr. Smith led attendees on a 15-minute walking tour of the Depot’s concourse and waiting area. The spacious and decorative waiting area space has not been used for many years. Plans for the project are to preserve its unique character while restoring its functionality.

May 12 – Lunch at Grumpy’s/Rose Vine Hall, Roseville, MN

Topic: Suburban Travel Demand Management (TDM) Plans

Melissa Madison, Executive Director of the I-494 Corridor Commission presented on types of TDM strategies, and related services that the I-494 corridor commission provides to employers and commuters. Highlights:

- The I-494 Corridor Commission is one of the five Twin Cities Transportation Management Organizations (Metro Transit, City of Minneapolis, City of St. Paul, Anoka County), and represents 20% of the Twin Cities’ population and employment. The commission runs on a non-profit basis, is funded by property tax revenues, and operates with a staff of three.

- The commission provides many travel demand related services for both employers (such as on-site TDM fairs, ride matching, van pool setup, and commuter surveys)
and commuters (guaranteed ride home program, commuter challenge, zip code carpool matching).

- The goal of the commission is to reduce peak period travel demand, primarily by shifting commuters from single occupant vehicles to other modes of travel. Their efforts have helped to eliminate up to 5,000 single vehicle commuters from the 494 corridor.

Mike Spack, President of Spack Consulting, presented the results of a study that his firm recently completed, looking at the effectiveness of TDM plans for suburban office locations. A summary of the study and their findings:

- The study looked at 6 non-CBD office locations ranging in size from 160 k.s.f to 700 k.s.f., with parking stall counts ranging from 200 to 2000. All of the sites had a TDM plan in place.

- Traffic and Parking counts were collected on an average weekday at each of the sites to gauge the trip generation and parking generation rates, both peak and daily.

- At each of the sites, trip generation and parking generation, on a per k.s.f. basis, were significantly lower than ITE averages in the current editions of Trip Generation and Parking Generation.

- To control for the effects of the ongoing recession, the rates were also calculated on a per employee basis. Using this measure, trip generation was still approximately 30% lower than ITE, while parking generation was 10% lower.

September 14 – Lunch at Green Mill, Shoreview, MN

Topic: Metropolitan Highway System Investment Study (MHSIS)

Carl Ohrn, Planning Analyst with the Metropolitan Council and Paul Czech, Planning Director with Mn/DOT Metro District delivered a 45-minute presentation that provided an overview of this planning document which must be updated every four years in order to receive federal funding. Highlights:

- With this update, the Met Council is taking a fairly unique approach. First, rather than focusing only on the fiscally constrained program of roadway and infrastructure improvements needed, they are including an unconstrained list as well. Second, rather than trying to complete one or two major projects that will provide excellent level of service at first, only to drop to
failing LOS fairly quickly, they are focusing on trying to include many high-benefit/low-cost projects that get 90% of the benefit at only a fraction of the cost.

- The primary reason the Met Council was forced to take this approach was that the dollar value of projects on the unconstrained plan was over $3 billion for the next 10 years, while only just over $1 billion worth of funding was anticipated to be available.

- Other areas of the document that have seen major updates include the financials and airports sections, while the transit, bike, and freight sections have not been significantly revised.

- The specific congestion management measures that the document includes are expanded use of bus shoulders (over 300 miles exist already, leading the nation) and expanded use of HOT lanes (over 15,000 MnPass transponders have been sold to date) including direct connections to the core downtown areas from new HOT lanes along I-94, 35W, and 35E.

- The budget allocation of maintenance of existing facilities has seen a tenfold increase.

- Specific expansion projects that the document does cover include the 494/169 interchange and the extension of TH 610 to I-94.

October 19 – Breakfast at Jax Café, Minneapolis, MN


Howard Preston, Senior Transportation Engineer with CH2M Hill and past NCITE President (1987) is active in research relating to rural safety. Mr. Preston’s presentation focused on how public agencies can both meet the new MUTCD retroreflectivity requirements and reduce tort liability by eliminating excess signage through proper use of policies and documenting engineering decisions.

Highlights:

- With the passage of the 2009 national MUTCD, sign retroreflectivity standards are officially here. By January 2015 all agencies must meet these standards for most signs, and by January 2018 they must meet them for all signs.

- The retroreflectivity standards apply to all signs, including signs on public roadways, and signs on private roadways open to the public. Some signs, such as no parking signs, recreational signs, and point of interest signs are not covered.

- The average county in Minnesota has 10,000 signs at a value of roughly $2 million. Many agencies, especially rural townships, have $0 budgeted for sign maintenance. In order to successfully meet the new retroreflectivity requirements, agencies should seek to eliminate unnecessary signage.
Agencies have two methods to tackle the problem. With the potentially labor-intensive Assessment method, each sign is checked and replaced as needed. With the Management method, each sign is replaced on a set schedule. The potential disadvantage of this method is disposing of signs with life remaining.

In order to limit tort liability when eliminating signs, it is critical that agencies follow two key steps: 1) have a policy and stick to it. 2) document engineering decisions that are made.

Only licensed engineers and staff under their direct supervision are afforded official immunity from tort liability when making engineering decisions on sign locations. Elected officials are not covered.

In the MUTCD, competent engineering judgment trumps everything, including “shall” directives.

There are over 800 types of warning signs. The only ones positively shown, through scientific study, to impact driver behavior and safety are the horizontal curve warning sign and the related chevron sign. The benefit of all others ranges from non-existent to strong disbenefit (in the case of ped crossing warning signs at uncontrolled intersections).

December 1 – Lunch at Holiday Inn East, St. Paul
Joint Meeting with ITS Minnesota
Topic: Dedicated Truck Lanes: Technology Options for Improving Safety and Productivity

Mark Berndt, Vice President with Wilbur Smith Associates delivered a presentation on how ITS technology will be needed to increase the productivity and safety of trucking as a freight mode similar to gains made by the sea, train, and air modes over the past three decades. A specific focus of Mark’s presentation was on the I-70 dedicated truck lanes project that is one of 6 “Corridors of the Future” projects attempting to turn this goal into reality. Highlights from Mark’s presentation included the following:

- With the change from “Push” to “Pull” inventory management made possible by advances in technology in the past two decades, and the associated reduction in excess inventory, the timing of freight deliveries has become even more critical in order to prevent disruptions in the supply chain. As the primary mode for short hauls, trucking plays a key role in supporting this trend.
- Because of limited roadway expansion budgets, the main challenge facing trucking as a freight mode continues to be how to get the most out of existing roadway capacity. Where budget is available for capacity expansion, the goal is to identify the best way to maximize safety and efficiency.
- The I-70 project is exploring the concept of a dedicated truckway to handle the heavy freight traffic on that corridor. The idea of a dedicated truckway is to separate truck traffic from passenger car traffic to increase safety and efficiency.
order to make this concept truly beneficial from a cost-benefit perspective, however, there must be more done.

- The add-on features that will make a dedicated truckway cost feasible are ITS components that will allow fewer truck drivers to move greater amounts of goods, dramatically increasing economies of scale. These components are already being studied at universities across the country.

- Having a concentration of trucks on a single corridor also opens the possibility for use of alternative fuels. Traditionally the roadblock for alternative fuels has been the expense of a widely deployed distribution system. The need for such a system could be eliminated with a dedicated truckway corridor.

- Finally a dedicated truckway corridor opens possibilities for transit as well. The ability to start from scratch would eliminate many of the problems facing those attempting to use existing freight rail lines to provide high speed rail transit.

**Summer Social**

In conjunction with 2010 MWITE Annual Meeting  
June 29 – Minnesota Twins Game, Minneapolis, MN

NCITE holds a summer social each year to provide an additional, informal opportunity for transportation professionals to gather and network. Past Summer Socials have included golf outings, lawn bowling, St. Paul Saints baseball games and mini golfing.

The 2010 NCITE Summer Social was held in conjunction with the 2010 MidwesternITE Annual Meeting, which took place in Minneapolis June 27th through the 29th. The Tuesday evening, June 29th, social event included a tailgate party held outdoors in downtown Minneapolis, followed by an evening of outdoor major league baseball at Target Field.

Festivities began at 4:00 p.m. with the tailgate party. The splendid culinary selection included burgers, brats, potato salad and plenty of cold beverages. Entertainment options included participation in (and viewing of) ladder golf and bean bags. Most importantly, the sunny skies, low wind, and 80-degree temperatures provided optimal conditions for plenty of socializing and networking.

Overall, the event was a great success. Approximately 75 members and guests attended.
Past Presidents Meeting
April 21 – Jax Café, Minneapolis, MN

The Past Presidents Dinner is held each spring for the past presidents of NCITE to discuss current activities of the section, share information from the past and ideas for moving forward. 2010 President Kristi Sebastian began the meeting with introductions and an overview of the 2010 Work Plan. Discussion took place regarding keeping Dakotas members involved, guidance for the Outreach committee, and the fact that 2013 will be NCITE’s 50th anniversary year.

Annual Meeting
November 12 – Science Museum of Minnesota, St. Paul

NCITE’s 2010 Annual meeting was held at the Science Museum of Minnesota in St. Paul. 48 members and guests were in attendance. After a social hour, exhibit viewing and a seated dinner, Kristi Sebastian took the podium at 7:30 p.m. to deliver a power point presentation to recognize those who have contributed to the NCITE organization over the past year. Members recognized in Kristi’s presentation included:

- Robert Seyfried, Midwestern District Director to the International Board and John Crawford, Midwestern District President
- Members of the Executive Board and Committee Chairs.
- Webmaster Jake Gave, awarded best section webpage at the 2010 Midwest District Annual Meeting.

The presentation also included a “Year in Review.” NCITE Highlights from 2010 included:

- The Midwest District Annual Meeting, held in Minneapolis in June.
- 8 successful section meetings plus an enjoyable Twins game Summer Social.
- 4 newsletters and new Annual Report/Membership Guide format.
- $5,000 in scholarships and a student paper award given to deserving students.
Kristi next presented NCITE’s annual awards for 2010:

- The **ITE Life Member** award, presented by ITE to members over age 65 with 25 or more consecutive years of membership, was awarded to Dharam Bobra, David Daubert, Harald Ericksen (pictured at left), and Joel Katz.

- The **NCITE Young Transportation Professional of the Year** award, given by the past presidents of NCITE to a member 35 years of age or younger who is active in NCITE and in the profession, was awarded to Mike Anderson.

- The final award was the **NCITE Past President’s Award**, also given by the past presidents of NCITE to a member who has contributed greatly to the profession over his or her career. This year’s recipient was Bob Green.

Kristi wrapped up her presentation by thanking the candidates and announcing the results from the recently completed 2011 Executive Board elections. Following the announcement, Randy Newton, 2010 Past President performed the swearing-in ceremony for the newly elected board.

Sue Zarling, 2011 President, thanked Kristi for her years of service on the NCITE board and presented her with a plaque of recognition.

Following the presentation and a short social hour, the group then moved to the IMAX theater to enjoy the short film, “Hubble.” Like Hubble, NASA’s space telescope launched in 1990, the 2010 NCITE Annual meeting was a success.
2010 Executive Board Meetings

In 2010, the NCITE Executive Board met eleven times. A typical agenda included time for previous meeting minute review and approval, treasurer reports, committee reports, review of the upcoming section meeting plans and a round robin discussion. Each meeting also has topics timely to the meeting. These include reviewing goals of the board, election items and requests made to the board. Action items are also reviewed at each meeting. Committee chairs are welcome to attend the meetings and are specifically invited to join one meeting a year to discuss committee activities with the board.
<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Event</th>
<th>Committee Chair Invited</th>
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<tbody>
<tr>
<td>January</td>
<td>12</td>
<td>NCITE Section Lunch Meeting</td>
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<td>Thur. 13</td>
<td>NCITE Board Meeting - Water’s Edge</td>
<td>Communications</td>
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<td>18-21</td>
<td>Minnesota County Engineers Association Annual Conference - Cragun’s Resort</td>
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<td>23-27</td>
<td>TRB Annual Meeting, Washington, D.C.</td>
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<td>26-28</td>
<td>Minnesota City Engineers Annual Conference - Earl Brown Center, Brooklyn Center</td>
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<td>February</td>
<td>9</td>
<td>Traffic and Transportation Engineers Symposium - U of MN, Continuing Education and Conference Center, St. Paul</td>
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<td>Fri. 11</td>
<td>NCITE Board Meeting - Westwood</td>
<td>Professional Development</td>
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<td>13-17</td>
<td>ATSSA Annual Convention - Phoenix, Az</td>
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<td>15</td>
<td>CTS Winter Luncheon</td>
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<td>16</td>
<td>NCITE Section Breakfast Meeting</td>
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<td>March</td>
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<td>Transportation Career Expo - CTS</td>
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<td>MSES Annual Meeting</td>
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<td>NCITE Section Meeting with Student Chapter</td>
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<td>ITS MN Annual Meeting</td>
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<td>Thur. 10</td>
<td>NCITE Board Meeting - Kimley-Horn</td>
<td>Membership &amp; Geometric Design</td>
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<td>15-16</td>
<td>ATSSA Northland Chapter How-To Workshop - Fargo, ND</td>
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<td>April</td>
<td>3-6</td>
<td>ITE Technical Conference and Exhibit - Lake Buena Vista, FL</td>
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<td>NCITE Section Meeting</td>
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<td>12-13</td>
<td>Minnesota Spring Maintenance Expo - St. Cloud, MN</td>
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<td>Fri. 15</td>
<td>NCITE Board Meeting - Alliant</td>
<td>Outreach &amp; Professional Certification</td>
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<td>17-21</td>
<td>National Assoc. of County Engineers - Minneapolis</td>
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<td>NCITE Past Presidents Dinner</td>
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<td>May</td>
<td>2-6</td>
<td>AASHTO Spring Meeting - Las Vegas, NV</td>
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<td>Thur. 12</td>
<td>NCITE Board Meeting - Kimley-Horn</td>
<td>Mn/MUTCD Chair</td>
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<td>NCITE Section Lunch Meeting</td>
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<td>MPWA Spring Conference</td>
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<td>18-20</td>
<td>WTS Annual Conference, San Francisco, CA</td>
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<td>24-25</td>
<td>CTS Transportation Research Conference - St. Paul, MN</td>
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<td>June</td>
<td>Fri. 10</td>
<td>NCITE Board Meeting - Kimley-Horn</td>
<td>Traffic Ops &amp; Maint.</td>
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<td>Joint Section meeting with WTS and ITS</td>
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<td>26-28</td>
<td>ITE Midwestern District Conference - Dubuque, IA</td>
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<td>NCITE Summer Social</td>
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<td>July</td>
<td>1-3</td>
<td>National LTAP / TTAP Conference - Pittsburgh, PA</td>
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<td>August</td>
<td>Fri. 12</td>
<td>NCITE Board Meeting - SRF</td>
<td>ITS Chair &amp; Ped and Traf Safety Chair</td>
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<td>13-16</td>
<td>ITE Annual Meeting and Exhibit - St. Louis, MO</td>
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<td>September</td>
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<td>NCITE Section Lunch Meeting</td>
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<td>Thur. 8</td>
<td>NCITE Board Meeting - Dakota County</td>
<td>Planning Method Chair</td>
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<td>MSES Fall Outing</td>
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<td>ITS MN Fall Industry Forum</td>
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<td>NCITE Board Meeting - Westwood</td>
<td>Int. Traffic Control</td>
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<td>13-17</td>
<td>AASHTO Annual Meeting, Detroit, MI</td>
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<td>16-20</td>
<td>18th ITS World Congress/ITS Annual Meeting - Orlando, FL</td>
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<td>November</td>
<td>Thur. 10</td>
<td>NCITE Board Meeting - Kimley-Horn</td>
<td>Student Activities</td>
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<td>NCITE Annual Meeting</td>
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<td>NCITE Transfer of Duties Meeting – Old + New Directors</td>
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<td>MPWA Fall Conference</td>
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<td>December</td>
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<td>Joint Section meeting with WTS and ITS</td>
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<td></td>
<td>Fri. 9</td>
<td>NCITE Joint Board Meeting - Waters Edge</td>
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## District and International Meetings

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<tr>
<th>Event</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>ITE 2010 Technical Conference and Exhibit</strong></td>
<td></td>
<td>April 3 - 6</td>
<td>Walt Disney World Swan Resort, Lake Buena Vista, FL</td>
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<tr>
<td><strong>2011 Midwestern District Annual Conference in Conjunction with MOVITE Spring Conference</strong></td>
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<td>June 26 - 28</td>
<td>Grand Harbor Resort, Dubuque, IA</td>
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<tr>
<td><strong>ITE 2010 Annual Meeting and Exhibit</strong></td>
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<td>August 13 - 16</td>
<td>America’s Center, St. Louis, MO</td>
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[http://www.ite.org/conference/](http://www.ite.org/conference/)


[http://www.ite.org/AnnualMeeting/default.asp](http://www.ite.org/AnnualMeeting/default.asp)
COMMITTEES

Technical Committees:
The technical committee goal is to share detailed information of relevant topics of interest to its members. NCITE members are encouraged to participate in any of these meetings. These committees strengthen NCITE through supplementing the monthly section meeting forum by offering a smaller group setting to share ideas and discuss various transportation issues. A new group was added this year, the Traffic Operation and Maintenance Discussion Group.

Geometric Design Committee
2010/2011 Chair: Bill Klingbeil, HR Green
In 2010, the Geometric Design Committee discussed many relevant topics for Transportation Engineers as well as current practices in our industry. The issues were discussed from the perspectives of Mn/DOT, County, City, and Consulting Engineers. Topics discussed in 2010 included:

- Innovative Intersection Designs
  - Diverging Diamond Interchange
  - Single Point Urban Interchange
  - Continuous Green Tee
  - J-Turns
  - Roundabouts
  - Continuous Flow Intersections

- ADA Compliance and Intersection Design

Intersection Traffic Control Committee
2010 Chair: Dave Hirsch, Stonebrooke Engineering
2011 Chair: Mike Martinez, HDR Engineering
The Intersection Traffic Control committee met eight times in 2010. Meeting attendance was strong and they were typically attended by 12 to 25 people depending on the topics presented and locations of meetings. Meetings were spread throughout the Metro area. State, County, and City staff, along with private consultants attended each meeting. This provided a broad range of perspectives to intersection traffic control topics. Each meeting included topics relevant to the traffic engineering community.
Topics for 2010 included:
- 60+’ signal mast arms
- Wireless interconnect
- Introduction to diverging diamonds
- Saint Cloud HAWK signal
- Flashing Yellow Arrows
- Bluetooth Technology research in Hennepin County
- U of M SCOOT system
- Cedar Avenue BRT
- TH 77 moveable barrier study

In April, a joint meeting on diverging diamond interchanges was held with the Geometric Committee. This included a background on what they are, where they can be used most effectively, and discussion of planning, operations, design and pedestrian accommodations. In addition to the meeting dedicated to the application of flashing yellow arrows, the committee regularly discussed applications of this treatment in unique environments.

**Pedestrian & Traffic Safety**

2010 Chair: Matt Pacyna, SRF Consulting Group  
2011 Chairs: Matt Pacyna, SRF Consulting Group  
Reuben Collins, WSB & Associates

In 2010, the Pedestrian Safety Committee met with a number of industry leaders regarding various pedestrian related topics. These topics included:

- Temporary Roadway Closure Impacts
- Changes to the 2009 MUTCD for Pedestrians and Bicyclists
- Bicycle and Pedestrian Policy
- LED In-Sign Technology
- Multi-Modal School Site Planning
- Bicycle Boulevards

Attendance at the meetings has been steady, with a diverse set of regular attendees from various public and private entities. Looking forward to 2011, the committee is trying to expand to include other agencies that may find our group beneficial. Future topics may include ADA Transition Plans, the “Minneapolis Nice” Program, and school boundary change pedestrian impacts.

**ITS Technical Committee**

2010 Chair: Dean Deeter, Athey Creek Consultants  
2011 Chair: Brian Scott, SRF Consulting Group

The Joint ITS MN/NCITE Technical Committee completed its second successful year in 2010. The meetings were well attended by participants from Mn/DOT, cities, counties, and consultants. One ongoing discussion item has been to review a draft ITS Design
Manual that Mn/DOT is developing with the help of a consultant. Each meeting also provided an opportunity for participants to give an update on the ITS activities within their organizations. These meetings have been great information sharing opportunities.

- Solar Power for ITS Devices
- ITS Design Manual
- ITS Approved Products Lists
- “Your Speed” signs
- Intersection Warning Systems
- Intelligent Work Zones
- Mileage Based User Fees
- Local Impacts of the IntelliDrive(sm) Program (formerly called Vehicle Infrastructure Integration)

Planning Methods and Applications
2010 Chair: Haifeng Xiao, SEH
2011 Chair: Bryan Nemeth, Bolton & Menk

The NCITE Planning Methods and Applications Committee meets to discuss various transportation planning and travel demand modeling topics. From September 2009 the committee was focused on the topics related to the Twin Cities Regional Model, future updates to the Model, and forecast modeling procedures. In 2010, the committee continued to discuss the forecasting procedures and issues with the regional model. The topics that were discussed in 2010 included:

- Bridging the gap between forecasting & operations analysis
- MnPASS forecasts
- Subarea modeling
- Land use forecasts
- Mn/DOT forecasts guidelines
- Project presentations including the TH 77 Managed Lanes project

Upcoming Topics for 2011 include:

- Continuing to bridge the gap between forecasting & operations analysis
- Subarea modeling
- Land use forecasts
- Traffic studies process
- Forecasts procedures and guidelines
- Metropolitan Council Model Updates

Traffic Operation and Maintenance Discussion Group
2010 / 2011 Chair: Adam Bruening, Washington County

The Traffic Operation and Maintenance Discussion Group is primarily made up of city, county and state supervisors and lead workers responsible for signing, pavement markings and traffic signal maintenance. The group continues to grow in size each year. Each member brings new ideas and years of experience. The meetings rotate around
the metro. Our hope is that others will have an opportunity to join us if the meeting is closer to them. We share experiences, ideas, problems with materials or installation methods along with various maintenance concerns. Attendees benefit from other member’s expertise and knowledge as various topics such as ground mounted sign systems, sign material review, and ongoing signal maintenance challenges are discussed. There were several demonstrations from vendors prior to our meetings this past year.

Discussion topics in 2010 included:
- Sign retroreflectivity requirements
- Sign mounting hardware
- Paint supply issues
- Flashing yellow arrow

**Standing Committees:**

Standing committees are comprised of many volunteer members that undertake specific projects and activity areas necessary to accomplish the NCITE goals of providing information and training to members and the community. These committees included Professional Development, Communication, Membership, Career Guidance and Student Activities. Much of these committees’ work is highlighted in the upcoming sections summarizing professional development training, membership initiatives and scholarship programs.

**Professional Development**

2010 Co-Chairs
- Paul Morris, SRF Consulting Group
- Scott Poska, SRF Consulting Group

2011 Co-Chairs
- Paul Morris, SRF Consulting Group
- Scott Poska, SRF Consulting Group
- Nik Costello, Washington County

Subcommittee Chairs:
- Professional Certification: George Stuempfig
- Outreach: Dave Hirsch, Stonebrook Engineering & Sonja Piper, City of St. Paul

In 2010 the Professional Development Committee offered training opportunities for NCITE members and other transportation professionals.

In cooperation with Transit for Livable Communities and Bike-Walk a series of training courses on facility design for non-motorized travel. Antonio Rosell of Community Design Group, LLC developed coursework for two individual sessions that were held in May. The first was titled Designing for Pedestrians and Bicyclists and the second was Walking and Biking Through Minnesota Winters. These events were attended more than 40 transportation professionals.
The Professional Certification Committee offered a refresher course for the Professional Traffic Operations Engineer (PTOE) exam held in November. The instructor for the course was Robert Seyfried from Northwestern University.

In addition to these opportunities, The 19th Annual Workshop on Traffic Engineering Fundamentals, coordinated by NCITE with support by the Center for Transportation Studies was held in February. The day long workshop, offered through the Outreach Committee, was attended by transportation technicians, planners and new engineers. The wide range of transportation topics drew city, county and consultant staff from around the state.

Finally, the 2011 Midwestern ITE Annual Meeting was held in June in Minneapolis. This two-day conference provided significant opportunities for professional development for section members and transportation professional from across the Midwestern District.

Communications
2010 / 2011 Chair:
   Peter Langworthy, WSB and Associates, Inc.

2010 Subcommittee Chairs:
   Membership Guide: Katie Bruwelheide, Alliant Engineering, Inc.
   Webmaster: Jacob Gave, Washington County
   Newsletter: Reuben Collins, WSB & Associates

2011 Subcommittee Chairs:
   Membership Guide: Katie Bruwelheide, Alliant Engineering, Inc.
   Newsletter: Derek Nieveen, Iteris

In 2010, NCITE published four Newsletters and one Yearbook. In addition, one special edition of the Newsletter was published with election information for 2011 Executive Board positions. The Website was updated regularly with meeting announcements, technical committee news, and other information.

The Annual Yearbook was made available to members electronically in 2010. The Membership Directory component of the Yearbook was emailed directly to members, and the main Yearbook document was posted on the website. The 2010 Annual Report and the 2011 Yearbook were combined into one document.

Website Update
2010 was a momentous year for NCITE’s website. The executive board formed a committee headed by Nick Erpelding to deliver a revamped website with easier-to-access and more up-to-date information that could be maintained by multiple board members and committee chairs rather than a single webmaster. The board set a $5,000 budget for the project.
To complete the project, the Web committee opted to employ the services of a web design consultant. The committee drafted a Request for Proposals (RFP), which was sent to three web design consultants. Proposals were received from each of the three consultants, and the firm of Windmill Design was selected for the project. Nick and the web committee worked with Windmill to develop a site outline and eventually draft two alternatives for the site, from which the ultimate design was selected.

Detailed work on the site was finalized in late 2010. The work was completed on time and within a slightly expanded budget ($5,200). The new website went live on January 20th, 2011. Based on the initial comments received, the new site has been very well received by members.

Membership
2010 / 2011 Chair: Michael Corbett, HDR Engineering

In 2010, the Membership Committee developed a “welcome” packet that is now sent out to all new NCITE members. The packet comes in a black bag embossed with the NCITE logo. Inside the bag, new members will find a folder with the NCITE logo containing a letter from our Chapter president that welcomes them and describes the many activities and involvement opportunities. Also included is the most recent edition of our newsletter, the INCITER, and information on our upcoming section meetings. The welcome packets were distributed to all new non-student members that joined in 2010, as well as those that joined in 2009. In all, 26 packets were sent out.

The Membership Committee continues to provide membership data support to the yearbook editor, the INCITER newsletter editor and to the Board for the electronic voting system. In 2011 the committee looks forward to mailing out additional welcome packets to new members, and improving service with the new website and database system.

Student Activities/Career Guidance
2010 / 2011 Chairs: Mark Ray, City of Golden Valley
Brian Smalkoski, Kimley-Horn & Associates, Inc.

The Student Activities/Career Guidance Committee coordinates the scholarships awarded by NCITE including assembling members to review the student papers and scholarship applications. In 2010, the committee modified some of the awards to better align with the student needs for funding. The committee is also available to the student chapters as a liaison and for distribution of funds the student chapters receive from NCITE for activities. Other activities include reaching out to inactive chapters and schools with planning and/or engineering programs and representing NCITE at the University of Minnesota Career Expo.

Members of the Student Activities/Career Guidance Committee continue to make presentations at middle and high schools throughout the metro area to encourage students to consider careers in transportation. NCITE has partnered with the Center for Transportation Studies at the University of Minnesota to identify new opportunities such
as science/technology camps and the Science Technology Engineering Mathematics (STEM) program to reach out to students and encourage them to consider a career in transportation.
AWARDS AND SCHOLARSHIPS
NCITE recognizes the contributions to our profession through awards to established professionals and scholarships to those future leaders.

Past Presidents Award
This award is given annually to an individual who has made outstanding contributions to NCITE, ITE and/or through achievements in the transportation/traffic engineering profession.

The 2010 Past Presidents Award recipient was Bob Green.

Throughout his career, Bob Green has made numerous contributions to ITE and the transportation industry. His work entails several corridor designs and signal projects including innovation to monitor the performance of urban arterials and improve traffic flow and the TH-212 design build project.

Bob has provided great leadership to ITE, serving at both the Section and District level. His numerous contributions to ITE including serving as NCITE President, Midwestern District ITE President, 2009 Midwestern District Representative for the ITE International Vice President Nominating Committee, and Chair of the Local Arrangements committee for the 2010 Midwestern District ITE Annual Meeting.

While serving on the Midwestern District Board Bob was instrumental in restructuring the Board into its current form. This restructuring has helped to provide the board with greater stability and has helped position it to better serve the members of the Midwestern District. Bob has and continues to be a positive role model for young engineers. This includes providing strong encouragement and support for his employees to be actively involved in the transportation industry and its organizations.

Young Transportation Professional of the Year Award
This award is given annually to an individual who is 35 years old or younger, and who is making outstanding contributions to NCITE, ITE and/or through achievements in the transportation/traffic engineering profession.

The 2009 Young Transportation Professional of the Year Award recipient was Mike Anderson.

Mike Anderson is a Transportation Engineer with over 11 years of experience ranging from traffic signal design, roadway lighting design, preparation of traffic impact studies, traffic signal operations and timing, corridor planning studies, traffic design and preliminary engineering projects. He is a leader in the area of traffic signal optimization and timing plan implementation to reduce delay, congestion, and emissions. In just this
past year, Mike has implemented projects for Mn/DOT, City of Bloomington, City of Grand Forks, City of Minneapolis, and Washington County. In addition, he has shown versatility by managing several bike boulevard projects in the City of Minneapolis which involved route planning, concept development, public involvement and final construction plans.

In addition to contributions to the transportation field, Mike is an active participant in NCITE. Mike has been a past director for NCITE and served on the local arrangement committee for the 2010 MWITE annual meeting.

Student Paper Award
NCITE awards $500 annually for the best student paper pertaining to transportation engineering or transportation planning. Papers are judged on the following criteria:

- Technical merit
- Clarity and organization
- Completeness as related to stated purpose
- Applicability to current issues facing the transportation engineering profession

The 2010 Student Paper Award was granted to Shanjiang Zhu from the University of Minnesota for "A Portfolio Theory of Route Choice."

Scholarships
NCITE awards at least four scholarships annually for a minimum of $300 each. The scholarships are awarded on the basis of academic performance, career goals, ITE involvement, and related accomplishments or experience.

Recipients of Scholarships in 2010 were:

- Pavithra Parthasarathi
- Xiaozheng He
- Saif Eddin Jabari
- Heng Hu
PROFESSIONAL DEVELOPMENT TRAINING AND OUTREACH

Three professional development opportunities were held by NCITE this year. The first two courses were held on bike/pedestrian issues in May. Antonio Rosell from Community Design Group, LLC, presented at both courses.

The third training opportunity was a refresher course for the Professional Traffic Operations Engineer (PTOE) exam held in November. The instructor for the course was Robert Seyfried from Northwestern University.

In addition to these opportunities, The 19th Annual Workshop on Traffic Engineering Fundamentals, coordinated by NCITE with support by the Center for Transportation Studies was held in February. The day long Outreach workshop was attended by transportation technicians, planners and new engineers. The wide range of transportation topics drew city, county and consultant staff from around the state.

Finally, the 2011 MidwesternITE Annual Meeting was held in June in Minneapolis. This 2-day conference provided significant opportunities for professional development for section members.
LEGISLATIVE ACTIVITIES
NCITE was active in transportation legislative issues through keeping track of specific legislation and communicating key legislative activities to its members.

NCITE stayed involved in this process through updates at section meetings and discussions about specific aspects of legislation at technical committee meetings.

Advocacy and communication related to key transportation issues in the legislature will continue to take place throughout 2011.
FINANCES
The success of the Professional Development programs once again helped NCITE finish 2010 financially strong. End of year balances* are shown as follows:

<table>
<thead>
<tr>
<th>Account</th>
<th>Balance</th>
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<tr>
<td>Checking</td>
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<td>Savings</td>
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<td>Money Market</td>
<td>$10,084.23</td>
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<td>Total</td>
<td>$21,852.84</td>
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*The End of Year balances shown reflect bank statement balances and do not include payments reconciled in early 2011.

In addition to the end of year balances, a more detailed financial summary of the year (inclusive of all expenses) is as follows:
## Year End Budget Summary


<table>
<thead>
<tr>
<th>Category Description</th>
<th>1/1/2010 Actual</th>
<th>-</th>
<th>12/31/2010 Difference</th>
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<tbody>
<tr>
<td><strong>INCOME</strong></td>
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<td></td>
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<tr>
<td>Annual Meeting Income</td>
<td>1,960.00</td>
<td></td>
<td>-1,040.00</td>
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<tr>
<td>District IV Surplus</td>
<td>3,686.04</td>
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<td>6.04</td>
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<td>Interest</td>
<td>44.04</td>
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<td>-8.96</td>
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<td>Member Dues</td>
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<td>-130.00</td>
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<td>Newsletter, Yearbook, Web Advertising</td>
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<tr>
<td>Professional Development</td>
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<td>-650.00</td>
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<td>Section Meetings</td>
<td>5,087.10</td>
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<td>-1,912.90</td>
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<td><strong>TOTAL INCOME</strong></td>
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<td>-3,735.82</td>
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<tr>
<td><strong>EXPENSES</strong></td>
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<td>Annual Section Meeting Expense</td>
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<td>1,476.80</td>
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<td>District IV Initiatives</td>
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<td>Election</td>
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<td>51.92</td>
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<td>Membership Outreach</td>
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<td>3.22</td>
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<td>Misc. Expense</td>
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<td>Prof. Development</td>
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<tr>
<td>Scholarships - all students</td>
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<td>0.00</td>
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<tr>
<td>Section Mts.</td>
<td>5,689.99</td>
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<td>1,330.01</td>
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<td>Spk. Gifts, Carts, Flags, Recog</td>
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<tr>
<td>Student Activities</td>
<td>280.00</td>
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<td>Student Paper Awards</td>
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<td>Subsidy of Intl + Dist. Mtg Attendance</td>
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<td>813.70</td>
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<td>Website</td>
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<td>520.05</td>
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<td><strong>TOTAL EXPENSES</strong></td>
<td>31,219.26</td>
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<td>7,430.74</td>
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<td><strong>OVERALL TOTAL</strong></td>
<td>-1,172.08</td>
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<td>3,694.92</td>
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</tbody>
</table>
SUMMARY
2010 was a great year for NCITE members! Membership participation and interaction through attendance at section meetings, development opportunities, technical committees and programs was strong. Despite the sluggish economy, NCITE welcomed 23 new members in 2010, of which 18 were Students.

In June many NCITE members had the opportunity to attend and participate in the 2010 Midwestern District Meeting in Downtown Minneapolis. Without a doubt, the 2010 Midwestern District Meeting was a great success as a large cross-section of local topics and projects with NCITE ties were highlighted.
APPENDICES
## Appendix A:
### 2011 ITE Midwestern District Officers and Representatives

**2011 ITE Midwestern District Board**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Section</th>
<th>Company/Institution</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Director</td>
<td>Robert K. Seyfreid</td>
<td>Illinois Section</td>
<td>Northwestern University</td>
<td>(847) 530-4032</td>
<td><a href="mailto:r-seyfreid@northwestern.edu">r-seyfreid@northwestern.edu</a></td>
</tr>
<tr>
<td>President</td>
<td>Douglas A. Ripley</td>
<td>MOVITE Section</td>
<td>Traffic Control Corporation</td>
<td>(515) 418-4114</td>
<td><a href="mailto:dripley@trafficcontrolcorp.com">dripley@trafficcontrolcorp.com</a></td>
</tr>
<tr>
<td>Vice President</td>
<td>Peter Lemmon</td>
<td>Illinois Section</td>
<td>Metro Transportation Group</td>
<td>(312) 853-0820</td>
<td><a href="mailto:pcl@metrotransportation.com">pcl@metrotransportation.com</a></td>
</tr>
<tr>
<td>Secretary - Treasurer</td>
<td>Todd Szymkowski</td>
<td>Wisconsin Section</td>
<td>University of Wisconsin - Madison</td>
<td>(608) 263-2684</td>
<td><a href="mailto:pcl@metrotransportation.com">pcl@metrotransportation.com</a></td>
</tr>
<tr>
<td>Immediate Past President</td>
<td>John F. Crawford</td>
<td>NCITE Section</td>
<td>URS Corporation</td>
<td>(612) 373-6871</td>
<td><a href="mailto:john_crawford@urscorp.com">john_crawford@urscorp.com</a></td>
</tr>
<tr>
<td>Administrator</td>
<td>Thomas E. Campbell</td>
<td>NCITE Section</td>
<td>Retired, Mn/DOT</td>
<td>(651) 484-4638</td>
<td><a href="mailto:te.campbell@comcast.net">te.campbell@comcast.net</a></td>
</tr>
</tbody>
</table>
### 2011 ITE Midwestern District Committee Chairs

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Section</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newsletter Editor</td>
<td>Mark D. Rinnan</td>
<td>Illinois Section</td>
<td>Jacobs, (312) 424-5419, <a href="mailto:mark.rinnan@jacobs.com">mark.rinnan@jacobs.com</a></td>
</tr>
<tr>
<td>Webpage Editor</td>
<td>Todd Szymkowski</td>
<td>Wisconsin Section</td>
<td>University of Wisconsin - Madison, (608) 263-2684, <a href="mailto:pcl@metrotransportation.com">pcl@metrotransportation.com</a></td>
</tr>
</tbody>
</table>

### 2011 ITE Midwestern District Section Representatives

<table>
<thead>
<tr>
<th>Section</th>
<th>Name</th>
<th>Title</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOVITE Section</td>
<td>Brian L. Vines</td>
<td>Section President</td>
<td>Jacobs Engineering Group, (501) 223-0515, <a href="mailto:brian.vines@jacobs.com">brian.vines@jacobs.com</a></td>
</tr>
<tr>
<td>Illinois Section</td>
<td>Timothy P. Sjogren</td>
<td>Section Past President</td>
<td>Traffic Analysis &amp; Design, Inc., (630) 370-0086, <a href="mailto:TSjogren@Traffic-AD.com">TSjogren@Traffic-AD.com</a></td>
</tr>
<tr>
<td>Wisconsin Section</td>
<td>Anne Reshadi</td>
<td>Section Past President</td>
<td>Wisconsin Dept. of Transportation, (414) 227-2149, <a href="mailto:anne.reshadi@dot.wi.gov">anne.reshadi@dot.wi.gov</a></td>
</tr>
<tr>
<td>NCITE Section</td>
<td>Kristi Sebastian</td>
<td>Section Past President</td>
<td>Dakota County, (952) 891-7178, <a href="mailto:kristi.sebastian@co.dakota.mn.us">kristi.sebastian@co.dakota.mn.us</a></td>
</tr>
</tbody>
</table>
Appendix B:  
District and Section Rules and Responsibilities

North Central Section Bylaws, Charter, and Policies  
The North Central Section Policy, Charter and Bylaws can be found at the following url:
  •  http://www.nc-ite.org/organization/bylaws/bylaws

Duties and Responsibilities of the NCITE Executive Board  
The duties and responsibilities of the NCITE Executive Board can be found at the following url:
  •  http://www.nc-ite.org/organization/bylaws/duties-a-responsibilities

District 4 Bylaws, Charter, and Policies  
The District 4 Policy, Charter Bylaws can be found at the following url:
  •  http://www.midwesternite.org/charterbylaws.htm
2011 PROFESSIONAL SERVICES AND PRODUCTS

NORTH CENTRAL SECTION
INSTITUTE OF TRANSPORTATION ENGINEERS

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- Transit Studies
- Transportation Planning
- Traffic Signal Design
- Traffic Signal Timing
- Corridor Studies
- Road Pricing
- Travel Forecasting
- CORSIM & VISSIM Modeling
- Freight Studies
- Parking Studies
- Rail Quiet Zones
- Safety

Traffic Signal & Lighting Poles
Decorative Lighting Poles

AASHTO 2001 Designs  AISC Certified
Winsted, MN 320-485-2111