



items

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December Luncheon Join Us at Maggiano's

Date: December 16, 2004

Time: Reception - 11:30 A.M.

Luncheon - 12:00 P.M.

Topic: Year End ITE Wrap-Up

Speakers: Ken Voigt

ITE District 4 Director.

Summary:Mr. Voigt will discuss 2004 District 4 and ITE National events and activities.

The purpose of a new Chapter is to provide a convenient forum for the exchange of tech-

President's Message

When I first joined ITE in college, the enticement was a pretty cool magazine for only \$5. At the time, my Civil Department didn't have a strong Transportation professor advocating the profession. Since I left, a new professor was brought in and now a Student Chapter is thriving and taking advantage of the opportunities ITE provides to launch and advance the students' careers.

I am pleased to announce that such efforts here in the Illinois Section are too proceeding. With the help of Amarpal Matharu — Student Affairs Director (MACTEC) and the rest of the Student Affairs Committee members: Sagar Sonar (TranSystems), Maynard Abuan (Civiltech), and Tim Sjorgren (Jacob & Hefner) IIT has created a Student Chapter! Also, many thanks need to go to the students at IIT and their advisor, Zongzhi Li.

I hope that these efforts can continue in the months to come at other Universities here in Illinois to help reach out to students and foster a partnership to help strengthen our industry. Again, these results would not be possible without the tireless dedication of our members, the students, and faculty. Congratulations to all!

Another goal for this year was to also help establish new Chapters here in Illinois outside the Chicagoland region. We have many members of ITE here in Illinois that don't live or work in the Northeastern part of the State. It can be very difficult for these members to participate in the majority of our activities due to their proximity to the Chicago area. Todd Fagen (Land Strategies) and I have put together a letter to start the process so that members in other areas are aware that they can establish a Chapter.

nical information, to advance professional development, to stimulate research, and to develop public awareness. Again, new beginnings are not possible without the help and dedication of others in our Section.

There are other issues facing the transportation industry here in Illinois not related to ITE directly. The passing of a new Federal Highway bill and what monies will return to Illinois, the ever changing political winds and the priorities of elected officials at all levels of government, and the demands of growth upon our transportation infrastructure. Wow, what has really changed over the years. I think that last statement could apply to any given year here in Illinois.

One thing that is new facing us all is the restructuring of IDOT and the creation of Regions. Most districts will be combined with one other to form a Region. As stated by Secretary Tim Martin in their press release, "It's important to realize that the Department is entering a new era based on a smaller agency. This new organization will continue to be accountable to the communities we serve on the district level and we will be more responsive to safety, economic impacts and an improved level of service with more flexibility."

Visit <u>www.dot.il.gov</u> for a map and more information on the reorganization.

Knowing the environment and how to work within it will greatly assist you towards achieving the goals of a project, community, or region. Because of our network within ITE, the tools to accomplish these goals are laid out before us whether the issue is a function of design, public involvement, or funding. When we all work together, it is amazing what can be accomplished.

(Continued on page 2)



(Continued from page 1)

Working together for the benefit of the Section has been accomplished over the years through our committee members. These are the people that do the brunt of the work and often receive little credit. Events such as our Annual Banquet, monthly luncheons, E-Week competition, technical seminars, technical papers, scholarships fundraisers, student awards, and golf outings all would not be possible without the help and dedication of others. Who are these people? On the back of every issue of ITEMS is a listing of these people. Over the years, people come and go, and some never go away... but the one thing that is consistent is the inner drive and dedication these individuals have towards our industry and society. Thank you to everyone for your time and passion for what we

As I end my present tenure with the Board, I look forward to someday serving you all again.

Happy Holidays and Good Will To All.

Sincerely,

Jeff Young, P.E. President

Call For Papers

Never been to San Francisco?
Here's your chance. The ITS
World Congress would like
you to submit your
innovative experiences and
creative projects for 12th
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and scientific program.
Online paper submission
opened

Nov. 1, 2004 at http://www.itsworldcongress.org
For complete guidelines and topics, visit the Web site at and/or download the brochure. The deadline for draft submissions is Friday, January 14, 2005.

The 19th Hole

The ITE – Illinois Section Golf Outing was held on September 1, 2004 at Bloomingdale Golf Club in Bloomingdale, IL. We had four full sponsors and a half sponsor.

Full Sponsors included:

Civiltech — HNTB — Metro, and John Mick, II (a.k.a "TEX")

The half sponsor was **Iteris**.

We had 21 golfers and awarded prizes to: The winning team consisting of Gerald Koylass, Jean Alix Peralte, and Phil Frey, the longest putt awarded to Tom Szabo, the longest drive won by Cha Lee, and closest to the pin Bob "Bullseye" Grady.

We raised over \$400 for the scholarship fund. Thank you to all players, sponsors, and supporters for making this a successful event!

Your Vote Counts!

By now you should have received your ballot and summary biographies for the Illinois Section Officers and Board Members. Those on the 2005 ballot are:

For President — Mr. Todd Fagen
For Vice President — Mr. Dennis Del Santo
For Secretary— Mr. Peter Lemmon, P.E.
For Treasurer—Mr. Amarpal S. Matharu, P.E.

For Directors (elect three) Chris J. Hager, E.I.T. Mark Rinnan Sagar Sonar

Ballots can be submitted by mail so long as they are received prior to 12/16/04. If you are a procrastinator you can turn your ballot in at the December 16th meeting at Maggiano's after which the current board will tally them.

Annual Banquet

Mark your calendar for Friday, January 28, 2005. This year's annual banquet promises to be top rated! For more details see the Reservation Form on page 6.

Contributions for both the Silent and Live Auction are being sought. The BIG CHANGE is please contribute QUALITY ITEMS only. Examples of past contributions include Cubs tickets, and gift baskets. Closet items like old controllers have seen too many days and don't significantly contribute to the scholarship fund. So if you intend to contribute, shop creative and then call John Ellis at 773/283-2600 to let him know about your contribution.

ALSO NEW THIS YEAR, each person attending will receive a \$10 coupon for bid on one silent auction item. Those attending will receive a raffle ticket for door prizes. Plan on joining Master of Ceremonies John "Tex" Mick for an evening of fun and friendship.



Chicago's Illinois Traffic Crash Report Field Rankings For Fatal Crashes (a continuation of Dr. Fazio's September Article)

Editors Note: The September 2004 Edition of ITEMS mistakenly copied Table 1 as both Tables 1 and 2. The correct version of all 4 tables is included in this edition. ITEMS regrets any confusion the mistake may have caused.

By Joseph Fazio, Ph.D., P.E., Visiting Faculty, Transportation Research and Injury Prevention Program, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016, India

In the Fall 2004 ITEMS article 'Interesting Statistics Regarding Chicago's Illinois Traffic Crash Reports,' the entire population of Chicago's Illinois Traffic Crash Reports derived Table 1 and Table 2 percentages. The Illinois Section ITE Traffic Safety Technical Committee (TSTC) acquired yearly population sizes that had more than 100,000 observations from the Chicago Police Department (CPD) database.

Some have hypothesized that police officers complete traffic crash reports involving fatalities differently than the entire population of traffic reports. Manish Virat, who is a Project Associate at TRIPP, IITD, for Professor Geetam Tiwari, filtered fatal crash reports from the same CPD database used in the Fall 2004 article. He used the same criteria and pre-conditions in Table 1 and Table 2 derivations to produce the rankings in Table 3 and Table 4 (see page 4).

Comparing Table 3 to Table 1 and Table 4 to Table 2 leads to two, major conclusions:

- 1. Fatal crash report fields were different than the entire crash population's fields for the same rank, and
- 2. Fatal crash field rankings varied from year to year, whereas, the entire population of crash fields did not. However, one can observe some trends in Table 3 and Table 4. Some fields appear in the top five in every year.

One partial explanation of fatal crash field variations is the small sample size. Fatal-crash, sample sizes were in the two or three digit range per annum. In summary, Chicago fatal crash field rankings were different from the population-based rankings in 1996, 1997, and 1998.

	iable i							
Most Completed Illinois Traffic Crash Report Fields								
								Rank Fields Approximate Percent Completed
1st	number of Unit 1 or 2 occu- pants, estimated crash time, crash day, crash month, and crash year							
2nd	hit-and-run checkbox, intersec- tion related checkbox, and lighting condition							
3rd	weather condition, private property checkbox, and type of report checkbox							
4th	traffic control device, and traffic control device condition	97.0%						
5th	type of first collision, Event 1, Event location 1, and Unit 1 vehicle type	94.1%						

Table 1

Rank	Fields	Approximate Percent Completed % (Sample Size)			
		1996	1997	1998	Total
1 st	Driver 1 vision, alignment, pedestrian visibility, occupant ejection or extrication, event Priority 1, 2, and 3	0.0 (>183,773)	0.0 (>184728)	0.0 (>181,814)	0.0
2nd	njury classification for Unit 1 and Unit 2 Drivers	8.6 (348,316)	7.0 (350,892)	7.8 (345,181)	7.8
3rd	Ped/pedal location, and ped/pedal action, Driver 1 & 2 BAC test results, Driver 2 Action	23.7 (183,733)	20.9 (184,728)	27.1 (181,814)	23.9
4th	Number of Ignes, Driver 1 action	40.0 (183,733)	40.6 (184,728)	41.9 (181,814)	40.8
5th	Trafficway description, road defects, safety equipment used	50.8 (>183,773)	51.4 (>184,728)	52.2 (>181,814)	51.4



Request for technical articles

All members of the ITE
Illinois Section are
encouraged to contribute to
ITEMS. Please consider
submitting technical
articles to the Section's
quarterly newsletter.
Although you may not have
a technical paper currently
written, you may have
presented a study at an ITE
conference. Consider
transforming your
presentation into a
technical article.

Mark Rinnan mrinnan@ekmail.com



Behind the Wheel

There were 544 fatalities nationwide during the 2003 Thanksgiving Holiday Period. That 4.25 day weekend (Wednesday evening through Sunday) accounted for 13.84% of all 3,930 fatalities that occurred in November 2003.

Source:
National Safety Council
(based right here in Itasca,
Illinois)
http://www.nsc.org/

Table 3

Most Completed Illinois Traffic Crash Report Only Considering Fatal Crashes

Rank	Fields for Year 1996	Percent Com- pleted, % (sample size)	Fields for Year 1997	Percent Completed, % (sample size)	Fields for Year 1998	Percent Completed, % (sample size)
1 st	location of damage, first contact Number, sex of occupant	100.0 (91)	damage over \$500 checkbox, sex of occupant	100.0 (86)	damage over \$500 checkbox, safety equipment used, loca- tion of damage, first contact number	99.3 (113)
2nd	Driver/pedestrian/ cyclist checkbox, sex of person	92.3 (91)	safety equipment used, location of damage, first contact number	87.2 (86)	sex of person	91.2 (113)
3rd	date of birth	86-8 (91)	sex of person	81.4 (86)	date of birth, driver/ pedestrian/ cyclist checkbox	83.6 (113)
4th	vehicle make	78.0 (91)	date of birth, driver/ pedestrian/ cyclist checkbox	75.6 (86)	injury classification, vehicle make	<i>77.</i> 9 (113)
5th	distance in feet, vehi- cle year, injury clas- sification	69.3 (91)	injury classification, vehicle year	66.3 (86)	vehicle year	71.7 (113)

NOTE: Fields appearing in all three years are **Bold**. Fields appearing only once are in *Italics*.

Table 4 Least Completed Illinois Traffic Crash Report Only Considering Fatal Crashes

Rank	Fields for Year 1996	Percent Com- pleted, % (sample size)	Fields for Year 1997	Percent Com- pleted, % (sample size)	Fields for Year 1998	Percent Com- pleted, % (sample size)
1 st	ejection code, towed/ damage/ other/fire/ hazardous/ commer- cial checkbox, date of birth of occupant	0 (91)	ejection code, towed/ damage/ other/fire/ hazardous/ commer- cial checkbox, date of birth of occupant	0 (86)	ejection code, towed/ damage/ other/fire/ hazardous/ commer- cial checkbox, date of birth of occupant	0 (113)
2nd	damage over \$500 checkbox, direction	8.8 (91)	direction	5.8 (86)	number of lanes	46.9 (113)
3rd	number of lanes	47.2 (91)	number of lanes	32.8 (86)	safety equipment used, air bag deployed	49.6 (113)
4th	vehicle model	55.0 (91)	collision type, maneuver(1), maneuver(2), pedestrian action/location	44.2 (86)	private property checkbox, hit & run checkbox	56.6 (113)
5th	type of report check- box, private property checkbox, safety equipment used, air bag deployed	58.8 (91)	private property checkbox, hit & run checkbox, type of report checkbox,	47.7 (86)	collision type, maneuver(1), maneuver(2), pedestrian action/location	59.5 (113)

Employment Opportunity

10/14/2004 - McHenry County, Highway Department Engineer II Starting Salary: \$40,624 to \$61,850 Hours: Full-Time

BENEFITS: Excellent benefit package including health and dental insurance, Pension Plan, Deferred Compensation Plan, optional life insurance, paid holidays, personal, vacation and sick leave.

JOB FUNCTION: The primary focus of this position is project management for engineering, design, and contract plan preparation; coordinating work groups and projects; liaison with outside consultants and preparing RFQ's. This position makes recommendations for contracts, schedules, attends and gives presentations at project status meetings, informs management team of deviations in project schedules; monitors and coordinates development of engineering drawings, specifications, and estimates in compliance with County and IDOT standards; frequently interacts with the public and other governmental agencies.

MINIMUM QUALIFICATIONS: Requires BS in Civil Engineering or related field and three to five years experience in civil/highway engineering, construction of public improvement projects with emphasis in roads and drainage.

No applicant for employment shall be discriminated against because of age, race, color, religion, sex, marital status, national origin or disability. Application available at the following web site: http://www.co.mchenry.il.us/employopps/PDFDocs/AppCounty.pdf

McHenry County Administration Building Human Resources Department 2200 N. Seminary Avenue Woodstock, IL 60098

APPLY: Please Submit Application Materials: (County Employment Application may be accompanied by cover letter and resume)



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I will be bringing	guests. RSVP b	y January 21	, 2005.					
Name	Chicken Breast/ Prime Rib Combo	Vegetarian *	Price					
			@ \$35.00					

My check is enclosed for the total amount of \$\\\\$

Please make checks payable to: ITE Illinois Section

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Date and Directions

Friday, January 28, 2005

6:00 PM Cash Bar with Hor d'oervres 7:00 PM Dinner

The Wellington 2121 South Arlington Heights Road Arlington Heights, IL 847/439-6610

Conveniently located just north of I-90 on the east side of Arlington Heights Road. Take I-90 to the Arlington Heights Road exit and go north. Proceed through the Algonquin Road intersection and the restaurant will be on your right.



ITE Illinois Section Calendar

December 2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

January 2005

Sun	Mon	Tue	Wed	Thu	Fr i	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					



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Upcoming Dates

December 15 Award Committee Meetina

December 16 December Luncheon

January 28 **Annual Banquet**

February 15 ITEMS Deadline

February 20-26 National Engineers Week

February 25 ITE E-week Banquet

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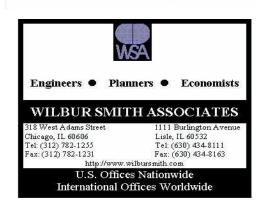
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TRB News Release

THE NATIONAL TRANSPORTATION **OPERATIONS** COALITION (NTOC) LAUNCHES NEW **WEBSITE** http:// ops.fhwa.dot.gov/ nat_dialogue.htm

The NTOC in partnership with the Federal Highway Administration, has developed a new Internet resource focusing on Transportation Management and Operations (M&O) and Intelligent **Transportation Systems** (ITS). The site was designed to provide expanded coverage on important news, issues, and resources, including the new Talking Operations web cast series.





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