

THE NEBRASKA CIVIL ENGINEER



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22ND ANNUAL STRUCTURAL CONFERENCE

Friday October 4, 2002
See Pages 3 and 4

Meeting Information

DATE: Thursday, October 3

**HOST: Structural Group
Nebraska Section ASCE**

**TOPIC: "Structural Design of the
Omaha Arena & Convention Center"**

**SPEAKERS: Ray Hicklin, P.E.
Principal, DLR Group**

**Erleen Hatfield
Associate,
Thornton Tomasetti Engineers**

**TIMES: 5:30-6:30.....Social Hour
6:30-7:30.....Dinner
7:30.....Meeting and Program**

**LOCATION: Anthony's Restaurant
72nd and F Streets
Omaha, Nebraska**

**MENU: Petite Club Sirloin
Broiled Trout
Lasagna
Chicken Breast Parmagiana**

**PRICE: \$20.00 per person
(including tax and gratuity)**

DINNER RESERVATIONS

RSVP with menu choice by noon on
Monday 9/30/02

Contact Loras Klostermann in Omaha at
330-8860 or lklostermann@td2co.com

or
Mark Stark in Lincoln at 458-5603
or mstark@oaconsulting.com

Ray Hicklin, P.E.

Ray is a Principal with DLR Group, and is director of the structural engineering department. Mr. Hicklin has a BS and MS degree in Civil/Structural engineering from the University of Missouri. He is a registered professional engineer in 26 states. He has 36 years of experience as an engineer with the DLR Group. Projects that Ray has been involved with include:

- Lancaster county Jail in Lincoln, NE
- Douglas County law Enforcement Center in Omaha, NE
- Roman L. Hruska U.S. Federal Courthouse in Omaha, NE
- Pottawattamie County Jail, Council Bluffs, IA
- 960-Bed Multi-Custody Correctional Facility, Tecumseh, NE
- Eppley Airfield Terminal Expansion, Omaha, NE
- State Office Building (Kiewit Conference Center), Omaha NE
- Valmont Office Plaza, Omaha, NE
- Lincoln Ball Park, Lincoln NE
- and dozens more.

Ray has also been involved in updating and maintaining the Omaha building code structural provisions, as part of the structural code committee for the past 20 or more years.

Erleen Hatfield

Ms. Hatfield is an Associate with Thornton Tomasetti Engineers in New York City. Erleen has a BS in Architecture and MS in Civil/Structural Engineering from the University of Nebraska-Lincoln. Her experience in the structural analysis, design and review of a variety of building types includes sports facilities, office and commercial buildings, and educational facilities in both steel and concrete. Projects that Erleen has been involved in include:

- Ford Field, Detroit Michigan
- Omaha Convention Center and Arena, Omaha, NE
- Sydney Superdome, Sydney Australia
- Unidome, University of Northern Iowa, Cedar Falls, IA
- University of Nebr. College of Dentistry Addition, Lincoln, NE
- Technology Development Center, Lincoln, NE
- One Wacker Drive, Chicago, IL
- Project 2000, Chicago, IL
- Dearborn Center, Chicago, IL
- and many more

Erleen is also a professional member of the Structural Engineers Association of New York (SEAO NY) and the American Institute of Architects.

President's Comments



Welcome to another year of ASCE involvement. I hope everybody had a great summer. My life has changed since last year. My daughter Jenna Ashley Levich was born on February 21, 2002. It has been a huge adjustment, but every smile is worth it.



Brad Levich, P.E.
(Jenna's Dad)

My eight years in ASCE Nebraska Section have been a fun and a learning experience. Over the past eight years I have been Newsletter Editor, Treasurer, Vice President, and President-Elect. As President, I hope we can have a productive and fun year. I hope to continue the excellent work that past presidents have done.

I would like to thank all the board members from the 2001

–2002 calendar year and those who continue to contribute to ASCE's success. We have added some new members to the board this year, thanks to Steve Kathol, Mark Stark and Bob Kalinski. Please welcome Marti Ciesilk (Construction Technical Chair), Chris Talley (Environmental Technical Chair) and Lindsey Madsen and Marie Maly (Younger Member co-chairs). Mr. Bill Arneson has rejoined the board as Legislative Affairs Committee Chairman after a short leave. It is great that so many of you take time out of your busy schedules to serve on the ASCE board. We are looking for another new board member for the 2003-2004 year to take Rick Kaufmann's position as the Newsletter Editor. Rick has been in this position for 5 years and has improved our newsletter quality. Please contact me if you have an interested candidate.

The annual meeting held this past May was a great time. It was held at the Harrah's Hotel and Casino in Council Bluffs, Iowa. Mr. Joe Waxse was named the outstanding member for the year 2001-2002. We did it a bit differently this year; we let everybody decide on entertainment, Mr. G's Lounge or the Casino. This year's first meeting (hosted by the Structural Group) will be held on October 3 at Anthony's in Omaha. Also, the 22nd annual Structural Conference scheduled for Friday October 4 is entitled "Making the Connection". I would like to encourage all of you to attend this meeting and conference.

We are planning a lunch-hour meeting this year. This is tentatively planned for the Management meeting (to be held in November), and will be held in Omaha. I would encour-

age each of our members to contact any of the committee chairs if you have ideas for monthly meeting speakers or topics. The more interesting the topic, the more people we get at each meeting. The board has been discussing on how to provide a certificate or confirmation for those who need to keep track of your continuing education hours.

See you at the October 3 meeting,

Bradley A. Levich

2002-2003 Important Dates

October:

- 3 - MONTHLY MEETING (Hosted by Structural Group), Omaha
- 4 - **22nd Annual Structural Conference**, Omaha
- 9-11 - DFI Annual Conference on Deep Foundations, San Diego, CA
- 24 - MONTHLY MEETING (Hosted by Construction Group), Omaha

November:

- 3-7 - Washington DC 2002 - Civil Engineering Conference & Exposition
- 7-8 - ACI / PCA Seminar: ACI 318-02 Building Code, Omaha
- 14 - MONTHLY MEETING (Hosted by Management Group), Omaha
- 18-19 - NSBA / NaBRO Steel Bridge Design Seminar, St. Louis, MO

December:

- 11-13 - 2002 FHWA Steel Bridge Conference, Salt Lake City, UT

January:

- 23 - MONTHLY MEETING (Co-hosted by Water Resources Group and Univ. of Nebraska-Lincoln Student Chapter), Lincoln

February:

- 20 - MONTHLY MEETING (Hosted by Geotechnical Group), Omaha
- 21 - **Annual Geotechnical Conference**, Omaha

March:

- 20 - MONTHLY MEETING (Hosted by Environmental Group), Lincoln

April:

- 17 - MONTHLY MEETING (Co-hosted by Transportation Group and Univ. of Nebraska-Omaha Student Chapter), Omaha

May:

- 16 - ANNUAL MEETING

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**Twenty-Second Annual Structural Conference
Making the Connection**

Friday, October 4, 2002

**Peter Kiewit Conference Center,
Omaha, Nebraska**

Who should attend?

This conference will provide an opportunity for the practicing engineer to keep abreast of changing aspects of the profession. This conference will emphasize practical applications used in engineering.

Location

The **Peter Kiewit Conference Center** is located at 13th and Farnam, across from Gene Leahy Park, in downtown Omaha, Nebraska.

Full day parking is available across the street at **Omaha Park Two**.

Planning Committee

Todd Feldman, HDR Architecture, Inc.

Scott Gilliland, Tadros Associates, LLC

Dave Klostermeyer, Rupperecht Engineering, Inc.

Rich Kotan, Omaha Public Power District

Gary Krause, University of Nebraska

Maier Tadros, University of Nebraska

Kirby Woods, Omaha Public Power District



**Ash Grove Cement Company
North Central Cement Promotion Association**



**Twenty-Second Annual Structural Conference
Making the Connection**

Friday, October 4, 2002

.....
Route to:
Annual Structural Conference
University of Nebraska
College of Engineering & Technology
Peter Kiewit Institute
Omaha, Nebraska 68182-0176



Annual Structural Conference

Department of Civil Engineering
University of Nebraska
Omaha, Nebraska

Conference Coordinator:

Gary Krause
(402) 554-3212

Full-Time Students Please List:

College

Twenty-Second Annual Structural Conference
Making the Connection

Friday, October 4, 2002 - Peter Kiewit Conference Center, Omaha, Nebraska

Name Title

Company

Address Phone

City State Zip

Registration fee is \$125 if received by Friday, September 27, 2002.

Late registration fee is \$150. Full-time student fee is \$25.

Making the Connection

Program

7:15 Registration

Morning Session

Presiding: *Rich Kohn, Omaha Public Power District*

8:00 The Future of Engineering Education in America

David Allen, University of Nebraska

Dean, College of Engineering

8:30 Welded Connections

Robert Shaw, President, Steel Structures Technical Center

9:15 ACI 2002 Anchorage to Concrete

Ronald Cook, Professor, University of Florida

10:00 Break and Vendor Exhibits

10:30 Building Systems Blast/Seismic Resistance

Edward Conrath, Protective Design Center

US Army Corps of Engineers

11:15 Bolted Connections

Robert Shaw, President, Steel Structures Technical Center

12:00 Lunch

Afternoon Session

Presiding: *Scott Gilliland, Tadros Associates, LLC*

1:00 Design and Construction of the

First National Bank Tower

Susan Jorgensen, Structural Engineer, Leo A. Daly

1:45 Strut and Tie Modeling of Disturbed Regions

Daniel Kuchma, Professor, University of Illinois

2:30 Break and Vendor Exhibits

3:00 ACI 2002 Unified Design Method

Maher Tadros, Professor, University of Nebraska

3:30 IBC 2000 Load and Resistance Factors

Gary Krause, Professor, University of Nebraska

4:00 Adjourn

Sponsors



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Admission to the conference is by registration. To assure registration, complete the registration form and mail early.

The Fee covers breaks, vendor exhibits, lunch, handout materials, and the following technical publications (a \$130 value):

Strength Design of Anchorage to Concrete
and *Notes on ACI 318 - 2002*

by the Portland Cement Association

Welding Quality Handbook
and *Structural Bolting Handbook*
by the Steel Structures Technical Center

Make checks payable to **Annual Structural Conference**.

Refunds will be made if the conference is canceled or if the applicant cancels no later than five working days prior to the conference date.

Mail your registration to:
Structural Conference

Gary Krause
University of Nebraska
College of Engineering & Technology
Peter Kiewit Institute
Omaha, Nebraska 68182-0176

7.5 Professional Development Hours will be awarded, if requested.

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**The Schemmer Associates Inc. and
W. Boyd Jones Construction Co.
Receive Design-Build Project of the
Year for 2001 Award**

The Schemmer Associates Inc. and W. Boyd Jones Construction Co., both of Omaha, received the Design-Build Project of the Year for 2001 for the Airlite Plastics Company Headquarters and Production building in Omaha.

The competition was sponsored by the Design-Build Institute of America, Mid-America Chapter. The judging committee selected The Schemmer Associates Inc. from among five entries from Nebraska, Iowa, Kansas, and Missouri in the "Over \$5 million Project" category.

"This project overcame inherent risks to be completed within schedule and budget. Brad Crosby, President of Airlite Plastics Co., provided a much deserved tribute to the Design-Build entity," said Patrick Smith, presenter of the award. "Operating at risk, successfully overcoming design challenges, and utilizing key construction and design build principles makes this a true Design-Build winner."

This design-build project was for a new 338,200-square-foot manufacturing plant for Airlite Plastics Company near Omaha's Eppley Airport, and the design of two railroad spurs equaling about 1,000 feet of track. The company manufactures a variety of products, including plastic cups and containers for the dairy industry.

The manufacturing operation contains over 30 large vacuum forming machines interconnected with labeling operations. The remainder of the structure contains a large warehousing and distribution operation, corporate office space, engineering offices, machine shop and storage, mold and stacker storage, maintenance and electronics shop, and other support functions.

Construction began in September 1999, and the plant began its first production in October 2000. "A lot of work went into completing the project in the narrow time frame," said Art Petersen, Project Principal, The Schemmer Associates Inc., "but the best part was seeing the finished product. It was as beautiful as we had imagined."

W. Boyd Jones, who had prior experience in working with Brad Crosby, President of Airlite Plastics, initiated the design-build entity. The Schemmer Associates Inc. was selected to be the architect/engineer based on relevant project experience and past experience working with W. Boyd Jones. Another factor was that The Schemmer Associates Inc. had all architectural and engineering services in-house, including architecture, structural, mechanical, electrical, and civil engineering, surveying, and contract administration. This provided a single point of contact and coordination.

"The Schemmer Associates' team brought creativity and innovation to each phase of the project, in addition to the necessary professionalism, architectural and engineering expertise," Crosby said. "Most importantly, they provided the professional project management required to incorporate the needs and desires of the project team."

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Washington Convention Center
November 3-7, 2002

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18 tracks and more than 160 sessions, including a Professional Practice SuperTrack. Keynote: NBC's Tim Russert, Moderator of "Meet the Press". Major Address: President George W. Bush (invited)
- Ö CERF/IIEC Corporate Advisory Board
Executive Program Series, November 5-6!
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visit www.asce.org/conferences/annual02/ for details

P.E. Exam Study Group

Studying for the upcoming Principles & Practice exam? Don't go it alone--come share your expertise and benefit from others' at these informal study sessions. Contact Rick Kaufmann at 330-2202 or rkaufmann@terracon.com if you are interested.

A Note from the Editor

The deadline for the October edition of *The Nebraska Civil Engineer* is October 4. Send ideas for items that could be included in this newsletter, articles, or information to:

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