

Volunteers Needed for Bridge Building Contests

During the next few months, area high school students will be participating in a couple of balsa wood bridge building competitions. Two or three volunteers are needed to assist in checking in, judging, and testing of the bridges at each contest. This is an excellent opportunity to encourage interest in engineering as a career (or just to watch some bridges be crushed).

The first competition will be held on Friday, January 26, 2001, at Case Western Reserve University. This event will be sponsored by ASCE.

The second competition will be held on Friday, March 16, 2001, at Brecksville High School. This event will be sponsored by the Cuyahoga Valley Community College.

If you are interested in volunteering to help out, please contact:

Paul Gluck, Chairman of the Education Committee for ABCD
Phone: 216-664-6493
E-mail: pgluck@mbakercorp.com

Christmas Party

ABCD would like to thank the following companies for helping to sponsor the annual ABCD/ASHE Christmas Party that was held on December 14, 2000 at Windows on the River:

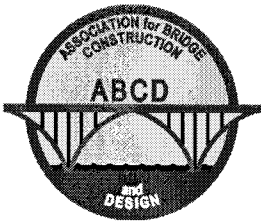
- Adachi Ciuni Lynn Associates, Inc.
- Advanced Drainage Systems
- Baker & Associates
- Chagrin Valley Engineering
- CT Consultants
- DLZ, Inc.
- Elewski & Associates Inc.
- Great Lakes Construction
- HNTB Ohio, Inc.
- Independence Excavating
- Lake Erie Diving, Inc.
- National Engineering
- Osterland Company
- Oxbow Engineering
- RE Warner & Associates
- URS
- Wade Trim

Monthly Meeting Announcements

ABCD meeting announcements are sent out via email every month. If you do not have an email address listed with your membership, then the announcement is faxed to you. If you have not been receiving these monthly announcements, please contact Joanne Gamble at 216-522-1140 or jgamble@hntb.com.

2001 Calendar of Events

January 17,2001	Meeting – Dr. Dario Gasparini	Flat Iron Cafe
February	Meeting – construction of the Millenium Force roller coaster	
March	Meeting – covered bridges	
April	Meeting – MSE walls (joint meeting with ASHE)	



7th Historic Bridge Conference to be held in Cleveland

The seventh in a series of conferences focusing on historic bridges, begun in 1985 and held in the Ohio Valley, will be held in Cleveland on September 19-22, 2001, at the Sheraton City Centre Hotel. The primary sponsor will be the Wilbur J. and Sara Ruth Watson Bridge Book Collection at Cleveland State University Library, but a host of co-sponsors are expected and welcomed. (ABCD is planning to be a co-sponsor of this conference.) Coinciding with the one-hundredth anniversary of the Center Street Swing Bridge in Cleveland, it will bring together the sometimes-divergent views of highway engineers and historic preservationists. Issues of safety and durability will be discussed along with the history and special techniques necessary to preserve historic engineering structures.

The three-and-one-half day program will begin with a half-day workshop on Wednesday on the special techniques for repairing metal truss bridges. Held at the Lincoln Electric Company World Headquarters in Euclid, the sessions will begin with an overview of welding fundamentals on historic bridges and discussions of the metal bridge preservation techniques utilized in Calhoun County, Michigan. Following these will be actual demonstrations and hands-on learning of riveting, heat straightening, brazing, welding and cutting processes for the restoration of historic metals.

Reconvening at the conference hotel on Thursday will begin two days of formal paper presentations by engineers and historians that highlight the history, maintenance and preservation of movable bridges, unusual truss bridges, and French and ancient Chinese structures. The keynote speaker Friday evening will be

renowned technological historian Henry Petroski of Duke University, author of *Engineers of Dreams: Great Bridge Builders and the Spanning of America* and *To Engineer is Human*.

Saturday will feature tours of important historic bridges in Cleveland and the surrounding area.

Those who wish to go to the conference can register to attend the full conference or only the day(s) they are interested in. Student registration will also be offered.

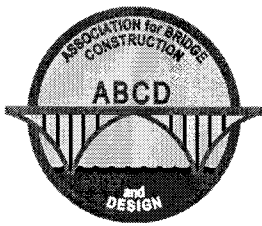
For more information, contact William Barrow at the Cleveland State University Library, 1860 E. 22nd St., Cleveland, OH, 44114, (216) 687-6998 or visit the conference website at:

<http://web.ulib.csuohio.edu/7hbc/>

Bridge Related WEBSITES

ABCD Northeast Ohio
Ohio Department of Transportation
The Bridgesite Page
The Bridge Engineering Home Page
Bridge Builder Magazine

<http://www.crtechnologies.com/presents/abcd/>
<http://www.dot.state.oh.us/>
<http://www.bridgesite.com/>
<http://www.best.com/~solvers/bridge.html>
<http://www.bridgebuildermagazine.com/>



Corporate Member Profile

TranSystems Corporation

55 Public Square, Suite 1650

Cleveland, OH 44113

(216) 861-1780

www.transystems.com

With 700 employees and 26 offices, TranSystems Corporation, a national transportation consulting firm headquartered in Kansas City, assists clients in planning, designing, building, and managing transportation facilities and infrastructure across the globe. According to the CEO of the firm Brian Larson, P.E., "At every turn, our primary goal is to add value to our clients by converting transportation challenges into economic benefit. To consistently accomplish this, we are students of the business environment in which our clients operate--we listen to their needs and objectives, and we commit to them a solution-oriented team with profound industry experience."

The firm began its roots in Kansas City in 1966, where it originally concentrated on highway, bridge, and municipality work. A merger in 1995 combined the talents of three highly-respected companies to bring together a total of 80 years of collective transportation experience. The merger also expanded the capabilities of the firm to new markets that include rail, maritime, energy, air, shipping, trucking, and transit.

By carving out an engineering and design niche in the transportation industry, TranSystems has created an entire company dedicated to the needs of moving people and freight in the most efficient manner.

Although the company merged under the TranSystems name in 1995, the three firms had been affiliated for three decades. During that time, the groups experienced particular success in eight market sectors, a

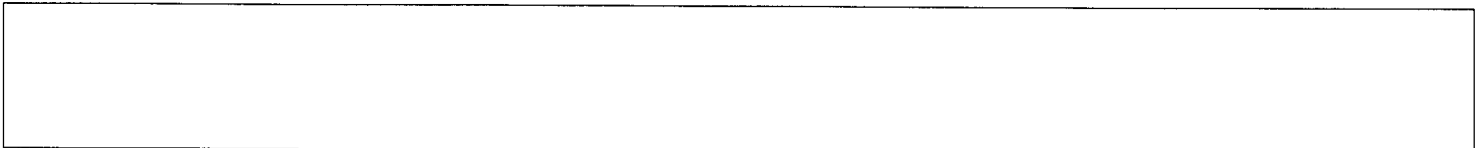
specialization that TranSystems continues as a single entity.

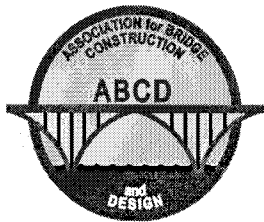
Among the market sectors served by the company are railroad companies that provide both passenger and freight transportation. TranSystems specializes in survey, design and construction-related services for class I railroads, short-line railroads, off-dock port facilities, and passenger rail.

TranSystems enjoys a close working relationship with many state departments of transportation, toll authorities, and municipalities. The company has successfully completed the planning, design, and construction of major highways, roads, bridges and other transportation infrastructure facilities.

Another group served by the company consists of air shippers and air carriers. Clients in this market sector include U.S. commercial airports and developers of airport facilities, sponsored both by the public and private sectors. In addition, many trucking companies throughout the U.S. rely on the highway system to transport commodities, materials, and merchandise—such as TranSystems' work on the NYK/Yusen Terminals, a 130-acre facility in Los Angeles. TranSystems also serves shippers, distributors and third party warehousing companies that need a reliable means to move their goods from point to point.

Other industries that rely on TranSystems include: marine shippers and port authorities, from public and private ports to marine terminals and shipping lines; and energy and communications companies, from energy producers and distributors to those that deal in the telecommunications industry. Divisions of the federal government also depend on TranSystems, including the Departments of Defense, Transportation, Treasury, and Interior. Combined, TranSystems helps a variety of companies and agencies to cover the continent with transportation options.





2001 ABCD Awards Program

The Awards Committee, chaired by Matt Lawler of HNTB Ohio, Inc., is encouraging anyone who has worked on a bridge project, be it as a project manager, project engineer, designer, detailer, ODOT project engineer, or contractor, to submit their bridge or bridges for awards in 2001. Though not judged until April of 2001, nominations may be submitted anytime prior to the March 31, 2001 deadline. Please keep in mind the two bridge award categories in the coming months:

- Outstanding New Bridge
 - New superstructure.
 - New or substantially reconstructed substructure.
- Outstanding Rehabilitated Bridge
 - Main load carrying members retained. They can be modified, strengthened, or made redundant, but should not be new.
 - Substructure units retained, but can be modified.

Also, consider the following:

- ABCD Achievement Award

- An individual or group who has contributed the most to the chapter or local bridge community over the last year.

Please include a written narrative of the project (or person/group) and identify reasons why the project (or person/group) should be considered. In addition, please include the following for each bridge nomination:

- Two or more 3 ½" x 5" color photographs
- One or more significant 11"x17" drawings or sketches
- Listing of significant project features

The construction for the nominations must have been completed, open to traffic, during the 2000 calendar year. There is no need to specify the category for which the project is nominated, the awards committee will determine which category is most appropriate for all nominations.

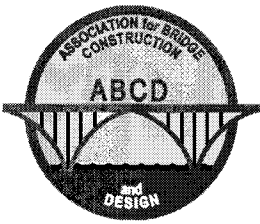
Please send nominations to:

Mr. Matthew J. Lawler, P.E.
c/o HNTB Ohio, Inc.
55 Erieview Plaza, Suite 500
Cleveland, Ohio 44114-1816

Or email any questions to mlawler@hntb.com.

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January Meeting

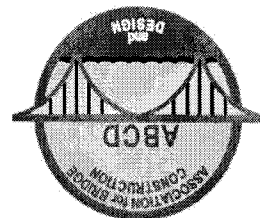
Wednesday, January 17, 2001

- SPEAKER:** Dr. Dario Gasparini
- PROGRAM:** C.A.P. Turner
Dr. Gasparini will be speaking about C.A.P. Turner of Minneapolis, an early 20th century structural engineer who was a leader in the development of reinforced concrete design, including the "flat slab" design. Though flat slab bridges of Mr. Turner's design were not prevalent throughout the country, those built were noted for their efficient and aesthetic design. Two such bridges were built in Northern Ohio during the 1930s, and still exist in the short term.
- PLACE:** Flat Iron Cafe
1114 Center St.
Cleveland, OH
- AGENDA:**
- 5:30 Social Hour, Registration and 50/50 raffle
 - 6:30 Dinner - Choice of:
 - Cajun Chicken Dinner w/ house salad, rice pilaf and mixed veggies
 - Full Slab BBQ Baby Back Ribs w/ french fries and cole slaw
 - Vegetable Pasta Marinara w/ garlic bread
 - Dessert – Homemade Apple Crisp
 - 7:30 Speaker
- COST:** \$20.00 Members and Guests
- RSVP:** Contact Joanne Gamble with RSVP and Meal Selection by **FRIDAY, JANUARY 12, 2001** at 216-522-1140, Fax 216-522-0554 or email jgamble@hntb.com

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