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## ILLINOIS SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS

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### ASCE ILLINOIS SECTION STRUCTURAL GROUP MAY DINNER MEETING

## Design and Construction of the Bond Cable-Stayed Bridge

**Patrick Cassity, PE, SE, Vice President  
Parsons**

**Abstract:**

The \$232 million klcICON Design-Build Project includes the design and construction of a landmark bridge over the Missouri River and reconstruction of over four miles of Interstate-29/35 in Kansas City, Missouri. The new Christopher S. Bond Bridge is almost 138 feet wide and approximately 1,700 feet long including approach spans. The suspended portion of the bridge consists of a composite steel and concrete, asymmetrical cable-stayed system with a main span of 550 feet and a side span of 451.5 feet. The creation of a "gateway" experience for motorists traveling on this bridge was a fundamental part of creating an icon for the Kansas City community. The striking, diamond-shaped pylon rises over 300 feet off the water and creates a natural gateway between the communities of North Kansas City and Kansas City. This presentation will provide a case study on the design and construction of the suspended portion of the bridge.

**Speaker:**

Pat Cassity is Vice President of the Central U.S. Bridge & Tunnel Division of Parsons. He has more than 20 years of experience in the design, management, and construction of bridge projects. Mr. Cassity has extensive experience in project management of design-build projects and long span bridges. He has presented and published over 30 papers on bridge design and research and is a licensed professional engineer in 15 states. Mr. Cassity received his B.S. in Civil Engineering in 1989 from the University of Wisconsin-Madison and M.S. specializing in structures in 1991 from the University of Illinois at Urbana-Champaign.

**Date & Time:** Wednesday, May 19, 2010  
Cocktails at 5:30 pm; Dinner at 6:00 pm  
Presentation following dinner

**Location:** Pazzo's  
311 South Wacker Drive  
Chicago, IL 60606  
Self-service parking is available south of the building for \$10

**Cost:** \$40 (\$20 fulltime students) – RSVP on or before May 14, 2010  
\$45 – without/late RSVP  
Make checks payable to ASCE Structural Group

**RSVP:** Victor E. Van Santen, [victor.vansanten@hdrinc.com](mailto:victor.vansanten@hdrinc.com),  
(773) 380-7966