



The Paul Zia Distinguished Lecture

NCSU Department of Civil, Construction and Environmental Engineering
Mann Hall 2501 Stinson Drive, Raleigh, NC 27695

July 28, 2010

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The committee for the Paul Zia Distinguished Lecture Series at North Carolina State University is pleased to announce that the topic for this year is the Hoover Dam Bypass Project, in honor of the 75th anniversary of the Hoover Dam. The date is set for Monday, September 20th, 2010.

We have three special guests: David Zanetell - FHWA, Bill Dowd – HDR Engineering and David Goodyear - T. Y. Lin International. A full day of events has been scheduled starting at 9:30 a.m. at the McKimmon Center with seminars and workshops that will allow engineers and architects to receive PDH credits. We will break at noon and return to the McKimmon Center at 2:30 p.m. for a reception with the speakers. At 3:00 p.m. David Goodyear will deliver the Zia Distinguished Lecture. **There is no charge for the workshops and lecture but reservations are requested.**

Following the day's events will be a cocktail reception and banquet starting at 6:00 p.m. at the Capital City Club in Raleigh to honor our distinguished speakers. **Individual banquet tickets are \$250. Reservations are required.** After dinner, all three speakers will take part in a panel discussion.

Additional information on the speakers:

David Zanetell, PE and a Certified Project Manager with the Federal Highway Administration, manages the entire project for the many public and private "owners". He will describe his strategies for establishing a culture where project outcomes were foremost, enabling the world's best technical expertise to work together without the defensive posturing that often plagues major projects.

William M. Dowd, P.E., Exec. Vice Pres. of HDR, Inc. currently manages the 18-firm, multi-discipline team charged with engineering from the early refinement of preliminary design through the final construction support phase. His role as Project Director will be presented in two parts. First, he will provide an overview of the complex management and technical aspects of the corridor and how the HST addressed the challenges. The second portion will emphasize the design of the difficult and environmentally sensitive roadway portions of the project.

David Goodyear, PE, SE is SVP of T. Y. Lin International. He has designed concrete, steel, segmental, and cable-stayed bridges and has won several awards for his ingenuity. On the Hoover Dam Bypass Project, David served as Chief Engineer for all aspects of the 2,000-ft bridge, including the arch span of 1,060 feet, the longest concrete arch in the US and the 4th longest in the world. He will discuss the engineering theory and the structural behavior for the design of key elements important to large bridge structures and focus on the design process and important features unique to the Colorado River Bridge. The presentation will illustrate the spectacular construction process as it unfolded.

The banquet fees are partially tax-deductible and support the Zia Lecture Series. If you are interested in making reservations for any of these events, becoming a sponsor, obtaining individual banquet tickets or learning more about the Zia Lecture please contact Lora Bremer at 919-513-0983 or lora_bremer@ncsu.edu. CRSI is the main sponsor for all of these events along with the Department of Civil, Construction and Environmental Engineering and the NC State Engineering Foundation. Please make checks payable to the NC State Engineering Foundation and mail to Lora Bremer NCSU CCEE Campus Box 7908 Raleigh, NC 27695.