

Bridge Engineering Distinguished Speaker Series

PRESENTED BY THE DEPARTMENT OF CIVIL, STRUCTURAL AND ENVIRONMENTAL ENGINEERING AND MCEER

Technical Advancements in Design and Construction of Steel Bridges



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Over the course of the last 10-years, major advances have been made to improve the state-of-the-art in the design and construction of straight, skewed and horizontally curved steel deck-girder bridges, culminating in the adoption of the Unified Design Procedures for these bridges.

However, there are always new problems that require exploration and solutions. Currently the AASHTO Technical Committee for Steel Design is involved in four projects: a) development of appropriate guidelines for the design and rating of gusset plates, under NCHRP 12-84, b) identification of appropriate Analytical Methods and Erection

Engineering of Curved-Skewed Steel Deck-Girder Bridges under NCHRP 12-79, c) Seismic Design of Steel Deck-Girder Bridge Superstructures, underway at the University of Nevada – Reno and d) research and testing of Non-Redundant Steel Tub-girders at the University of Texas. The presentation for this class will be to give an overview of these projects.

Biographical Sketch:

Ed Wasserman, a C.E. graduate of Vanderbilt University, has been employed by the Tennessee Department of Transportation's Division of Structures for 45-years, 24 of which as the Civil Engineering Director. He has been involved in design and design oversight of more than 2500 bridges, most of which were designed in-house. He has over the past 24-years, served on the AASHTO Subcommittee on Bridges and Structures' Technical Committees for Bearings and Joints (T-2), Seismic Design (T-3), Concrete Design (T-10) and Steel Design (T-14). He served as Chair of T-10 for 2-years and has been chair of T-14 for the past 20-years. In addition, he has served as member or chair of a number of NCHRP Panels, dealing with research on topics related to the identified Technical Committees. He served also as chair for the oversight panel for the Pooled Funded Curve Girder Studies conducted at the FHWA Turner-Fairbank Laboratories. He is also a member of ASCE, NSPE, Structural Engineering Institute, the Precast/Prestressed Institute's Bridge Committee and the AISC's Bridge Task Force.

Date / Time: Monday, **November 8, 2010**, 5:00 – 6:15 pm Eastern Time

Location: Baldy Hall, 2nd Floor, Room 200G

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Call Michele (716) 645-3307 1.5 PDH (\$75)

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