



Design of Concrete Bridges by the AASHTO LRFD Specifications

December 11, 2006, 8:00a – 5:00p
Skokie, IL

Seminar Description

The latest developments in the state-of-the-art design methodologies for concrete design outlined in the AASHTO LRFD Bridge Design Specifications will be discussed. The seminar will focus on the unified method of design for reinforced and prestressed concrete, shear design utilizing modified compression field theory and strut- and-tie modeling. Design examples for deck design, pier cap design and precast, prestressed concrete girder design highlighting the key steps in LRFD will also be presented.

Why Attend?

Beginning October 2007, all bridges receiving federal funding must be designed utilizing AASHTO's LRFD Bridge Design Specifications. This seminar will provide an understanding of the background of the LRFD specifications, an overview of the state-of-the-art design procedures, and design examples that will aid you in applying the latest provisions.

CEUs and PDHs

Participants will receive 0.65 CEUs (6.5 PDHs) upon completion of this seminar.

What's Included?

Each attendee will receive copies of all PowerPoint slides, design examples presented, and two PCA publications: (1) *AASHTO LRFD Strut-and-Tie Model Design Examples (EB231)* and (2) *LRFD Design of Cast-In-Place Concrete Bridges (EB232)*, a \$55 value. Lunch and refreshments during breaks included.

Date and Time:

December 11, 2006 from 8:00a – 5:00p. Registration starts at 7:30a.

Course Location

Portland Cement Association
5420 Old Orchard Road
Skokie, IL 60077-1083

Instructor Bios:

Basile G. Rabbat, SE, PhD, is Manager, Structural Codes, in the Engineered Structures Department of the Portland Cement Association, Skokie, Illinois. He received a Bachelor of Science in Civil Engineering from Alexandria University, Egypt, and Master and Doctorate degrees in Structural Engineering from the University of Toronto, Canada. He is a member of the Board of Direction of ACI, and a Fellow of ACI and PCI. He currently serves as Secretary of ACI Committee 318, which develops the Building Code Requirements for Reinforced Concrete. Basile has published over forty papers related to behavior and design of structural concrete. He is active on many national technical societies. He is a registered Structural Engineer in the State of Illinois.

Email: brabbat@cement.org Tel: (847) 972-9062

Shri B. Bhide, SE, PE, PhD, is Manager of the Bridge Program at the Portland Cement Association. He received a Bachelor of Technology in Civil Engineering from the Indian Institute of Technology, Bombay, and Master and Doctorate degrees in Structural Engineering from the University of Toronto. Shri has over sixteen years of professional experience in bridge and building structural engineering. He is a Fellow of ACI and is active in TRB's Committee A2C03 – Concrete Bridges, PCI's Bridge, and Bridge Producers' committees, and ACI's technical committees 343 – Bridge Design and 365 – Service Life Prediction. He is a registered Structural Engineer in the State of Illinois, and a registered Professional Engineer in the States of Illinois, Wisconsin, and Ohio.

Email: sbhide@cement.org Tel: (847) 972-9100



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Registration Form

Name _____
 Name for Badge _____
 Organization _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____ Fax _____
 Email _____

CIRCLE APPROPRIATE REGISTRATION FEE*

- Consultants \$295
- Academic, state and local agencies \$145
- Students \$75

* Includes two PCA publications on LRFD design valued at \$55.

PAYMENT TOTAL (See above for fees.): \$ _____

Payment must accompany registration form. Make payable to “Portland Cement Association” by U.S. denominated check drawn on U.S. Bank.

Hotel Accommodations:

Hampton Inn (across the street from PCA):
5201 Old Orchard Road, Skokie, Illinois 60077, Phone: (847) 583-1111
Mention PCA to get a special room rate of \$95, based on availability. The hotel will provide transportation to/from PCA.

Mail Payments and Registration forms to:

Caron Johnsen, PCA
5420 Old Orchard Road
Skokie, IL 60077-1083

Paying by credit card – fax the completed registration form with cardholder name, credit card number and expiration date to 847-581-0644

Registration questions – Contact Caron Johnsen at 847-972-9058

Cancellation Policy: Cancel by December 1, 2006 for full refund.

Only substitutions may be made at after December 1.