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***The Canadian Society for Civil Engineering
La Société canadienne de génie civil***

Loads & Seismic Design – Tentatively Scheduled
(Proposed Changes to NBCC)

A One Day Workshop
November, 2003
Blackfoot Inn, Calgary

COURSE DESCRIPTION:

This one-day seminar will address some of the major proposed changes to the National Building Code of Canada (NBCC), released for public review in 2002. The significant proposed changes to the loads and load combinations will be discussed. The background to the proposed changes in the seismic design provisions will be presented, including the following topics: new national seismic hazard maps; soil characterization; seismic response spectra; period determination; seismic force calculations; dynamic analysis; torsion provisions; accounting for structural irregularities; accounting for ductility and structural over strength; system limitations; and parts and portions. In addition, the new guidelines for risk reduction of operational and functional components of buildings (CSA 832) will be presented.

SPECIAL FEATURES:

A purpose-designed binder containing comprehensive information will be provided to each participant which will include photographs, charts, graphs and tables that are included in the presentation of each topic. Participants are encouraged to discuss their own problems and share their own experiences. Adequate time for questions will be provided.

QUALITY OF THE WORKSHOP:

Development and planning of this workshop has involved input and consultation at the national, regional and local levels of CSCE. It is designed to respond to practical needs. A certificate recognizing Professional Development Hours (PDH's) will be issued. As well, this workshop will receive Continuing Education Units (C.E.U.) accreditation by the Engineering Institute of Canada (E.I.C.). Satisfactory completion of appropriate requirements results in award of CEU Certificate. Certification underscores your commitment to meaningful professional development.

THE PRESENTERS:

To be determined.

PROPOSED AGENDA:

8:00 Registration & Coffee
8:30 Format and adoption process of the NBCC
9:30 Loads and load combinations for NBCC
10:35 Overview of national seismic hazard maps developed for NBCC
11:15 Developments in ground motion information for NBCC
12:00 Lunch
13:00 Seismic force calculation in proposed NBCC
14:15 Accounting for irregularities in proposed NBCC
15:05 Accounting for ductility and over-strength in proposed NBCC
16:05 Seismic design of part and portions; CSA-832 guidelines for risk reduction of operational and functional components of buildings
16:50 Closing Remarks