



ICC ORANGE EMPIRE CHAPTER MEETING MINUTES

DATE: July 15, 2010
 TIME: 11:30 p.m. – 2:00 p.m.
 LOCATION: Tustin Golf Course

The ICC Orange Empire Chapter meeting was brought to order by the ICCOEC president; David Khorram. The pledge of allegiance was conducted by Dennis Lockhard.

Orange Empire Chapter Board	Jurisdiction	Present	Absent
David Khorram, President	Orange	X	
Hadi Tabatabaee, Past President	Fullerton	X	
Tony Weimholt, Vice President	Norwalk	X	
Gabriel Linares, Secretary	Brea	X	
Henry Huang, Treasurer	Tustin	X	

- A. Meeting Participants self introduction
- Four first time attendees.
 - Special guest, Jeff Crosier SEAOSC President.

II. ICCEOEC BUSINESS

- A. A motion was made and passed to approve ICCEOEC meeting minutes of 7/15/10.
- B. Treasurer’s Report – Henry Huang
- Henry Huang announced the balance for the Checking at \$ 30,120.00, and the Savings balance of \$ 144.00.
- C. Status of ICCEOEC committees
- i. Education (Dennis Bogle):
 - June will offer a Cal Green Class thanks to Roy Fewell.
 - The July Emergency Egress Class scheduled for Brea was canceled.
 - August will offer a legal administration class that will be posted on the chapter’s web site.
 - The Committee is working diligently on a 3 day Norwalk Matrix Seminar.

- i. Code Development (Hadi Tabatabaee):
 - On July 8th the Building Code Committee discussed CRC amendments proposed by Los Angeles Basin Chapter.
 - The Green Code review, resulted in 2 possible amendments.
 - The committee also reviewed and accepted the majority of OCFA proposed amendments. There was a vote of 9-1 against sprinklers for addition & alterations, the committee opted to insert a place holder for jurisdiction to make their own decision.
 - Joseph Kirkpatrick will review the structural amendments proposed by LA basin and present recommendation at next code committee meeting.
 - Khan Nguyen will draft the sample ordinance for the Chapter.

Question: Faddy Mattar

- How similar are the OC amendments to LA chapter.
 - Hadi Tabatabaee- A joint meeting will be held on July 19, 2010 to discuss amendments.

Comment: Chuck Daleo

- Clarified the joint meeting will e held in the City of Norwalk from 1 to 4 pm and will be available on internet & phone conference.
- ii. Green Building (Roy Fewell/Hadi Tabatabai)
 - The committee will review LA Basin recommendations to try to maintain consistency in LA & OC. The review only resulted in 2 possible amendments.
 - The committee will monitor the changes that develop in the new CA Green Code.
 - iii. Motion made, seconded and duly carried to table remaining committee reports and move to Main program.

III. Main Presentation –

Slide show and commentary of structural damage caused by the 2010 Chile Earth Quake, presented by: Juan Carlos Esquivel, M.S., S.E.

Juan Carlos Esquivel, M.S., S.E. the President and CEO of JCE Structural Engineering Group with over 27 years of Structural Engineering experience. He has successfully managed and completed numerous new projects ranging from planning to construction on a diverse cross-section of building types in Educational, Healthcare, and Commercial, Hospitality, Governmental, Entertainment and Industrial sectors. Mr. Esquivel is a licensed Civil and Structural Engineer in several U. S. States including the state of California and he has executed numerous Seismic Rehabilitation Projects and done extensive research on Earthquake Engineering and Structural Analysis through post-graduate specialization courses in Yugoslavia, Mexico, Spain and Japan. He lectures and publishes nationally and internationally on the subject of Earthquake and Structural Engineering. Juan Carlos in coordination with the Research and Materials Testing Institute of the University of Chile and

the Civil Engineering Department of the University of Wisconsin organized a Reconnaissance Trip to Chile after the BIG 8.8 Magnitude Earthquake to assess the damage and collaborate with some of the forensic work being performed in Chile. JCE Structural Engineering Group spent two weeks in Chile and visited 6 different cities. Many conclusions have been drawn from this Reconnaissance Trip that will help improve the Structural Engineering Standard of Practice in the USA and hopefully worldwide.



JCE Structural Engineering Group was established in November 2000 as a Corporation with its office located in Historic Old Town City of Pasadena. They are an Engineering Company that provides professional Consulting Structural Engineering Services for a selected sector of clients such as: Commercial, Industrial, Educational, Healthcare, Hospitality and Governmental. Their clientele spans state, national, and international boundaries. They also have extensive experience in working with Department of State Architect (DSA), Statewide Health Planning and Development (OSHDP), Sustainable Design (LEED) projects, using Building Information Modeling (BIM) and have participated in several Design-Build and Bridging Documents projects.

Juan Carlos presented several slides from his 2 week reconnaissance trip in Chile. Juan Carlos explained that Chile uses a version of the 1997 UBC and versions of the ACI 318 code.

He explained that the majority of the buildings he visited were over 20 ft tall and were built with a concrete shear wall system. Juan Carlos mentioned that there is a large amount of non-ductile concrete frame buildings with masonry infill that were damaged as well. Some of the things he noticed when investigating their codes was that the confinement and boundary elements reinforcing and detailing were eliminated from their building codes. Structural irregularities were also apparent such as soft stories and short columns. He mentioned that from the field visits a consistent problem occurred with the non-structural elements of the buildings such as suspended ceilings and steel stairs connections. The suspended ceilings did not have adequate bracing and the steel stairs were doweled in with faulty epoxy.

Juan Carlos also mentioned that the Chile Engineers have a standard of construction that must perform better than Life Safety standards. The Buildings that were constructed using a base isolation system performed great.

Slide show and commentary of structural damage caused by the 2010 Haiti Earth Quake, presented by: Jeff Crosier

Jeff Crosier the new president o of SEAOSC. He is the managing director of the structural engineering firm of Miyamoto International Orange County office. Miyamoto is one of the largest and fastest growing structural engineering firms in California. Jeff specializes in DSA (Division of State Architect) projects and has more than 20 years of experience in the design of new buildings, renovations, and seismic retrofit projects. He has been in charge of structural design and coordination of education, hospitality, entertainment, institutional, and commercial projects, including extensive evaluation and strengthening/repair work subsequent to the Whittier (1987) and Northridge (1994) earthquakes, as well as the 1992 Hurricane Iniki in Hawaii.



Miyamoto International has been working with the Government of Haiti, the United Nations and the World Bank to develop a plan to conduct damage assessment of the entire city of over 900,000 buildings. This work is coordinated with the US Joint Task Force. The damage inspection system is based on ATC-20 methodology that was customized to Haiti construction

types and systems. Demolition and vulnerability modules were added to capture critical information for recovery operations and risk assessments. The survey effort is conducted by over 200 trained Haitian engineers and a quality control program is installed. Inspections have completed to date for 110,000 buildings with subsequent phases to follow. The goal of this program has been since the start to decompress the camps and identify safe housing opportunities for the population of the camps as well as prioritize the evaluation of schools so that local children can resume their education.

Introduction and comments on presentations by: Bob Bachman

Bob Bachman has had significant involvement in the seismic code development activities. He chaired the SEAOC State Seismology Committee during the development of the seismic provisions of the 1997 Uniform Building Code. He was instrumental in development of the near field ground motions maps used in association with the 1997 UBC. He also chaired of the Seismology Committee's Performance Based Seismic Engineering Ad-Hoc Committee. Since 1992, he has been a member of the NEHRP Provisions Update Committee of the Building Seismic Safety Council which has the responsibility for the development of the "NEHRP Recommended Provisions for Seismic Regulations for New Buildings and Other Structures". He is past chair of NEHRP Technical Subcommittee 8 for Architectural, Mechanical and Electrical Components. The NEHRP Provisions serve as the primary basis of the seismic provisions of the International Building Code and ASCE 7-05. He chaired the ASCE 7 – Task Committee for Seismic Loads during the development of ASCE 7-02 and ASCE 7-05. He currently serves as Vice Chair of the ASCE 7 Main Committee and also is a member of the ASCE/SEI Standards Executive Committee. Mr. Bachman is a licensed Structural Engineer in California and Washington. Between 1975 and 2000, he was employed by Fluor in Irvine and headed their Civil/Structural Engineer Department between 1989-2000. He has been a Consulting Structural Engineer in private practice for the past 10 years. He will be able to answer questions regarding the effects to industrial structures and nonstructural components and systems in Chile.

IV. ORGANIZATION REPORTS

- A. CALBO/ABM report – David Khorram
 - The 2011 ABM will be combined w/ the education week on November 2010 and hosted in Costa Mesa, CA.
- B. ICC report – Greg West
 - ICC is offering scholarships for ICC annual Conference that will be held October 24-31, 2010 in Charlotte Carolina.
 - Any changes to voting must be made 10 days prior to conference.
 - AIS training program will be available at the ICC conference.

V. ADJOURNMENT