



Structural Engineers Association *of* Washington

September, 2007

SOUTHWEST CHAPTER

September Dinner Meeting

Date: Wednesday, September 19, 2007
Program: Tacoma Narrows Bridge Project
Place: LaQuinta Inn & Suites
1425 East 27th Street
Tacoma, WA 98421
Welcome: 5:30 pm
Dinner: 6:00 pm
Program: 6:30 pm
Menu: Romance of Italy
Cost: 30.00 with reservation
Payments will be made to ASCE

Reservations required. Deadline is noon on Friday, September 14, 2007 E-mail reservations to seawschapter@comcast.net or call (253) 382-2936.



The New Tacoma Narrows Bridge Suspension Bridge *Superstructure Erection*

Please join us at the September 19, 2007 SEAW-ASCE Dinner meeting as Tim Moore, P.E., S.E., Senior Structural Bridge Engineer with the WSDOT Bridge & Structures Office, presents the construction techniques employed in suspension cable spinning, orthotropic deck truss superstructure erection and bridge deck finishes. Tim presented at the October 2005 SEAW meeting detailing the construction work completed at that time which included the caissons, towers, anchorages and the beginning efforts of cable spinning. The toll bridge, dedicated on July 15, 2007, has opened to service with tremendous traffic improvements. Tim has served as a bridge designer for the WSDOT Bridge & Structures Office the past 24 years with lead roles in the SR 509 Foss Waterway Cable-Stayed and Puyallup River Segmental Bridge Projects. For the past 11 years, Tim has been the Owner representative and prime reviewer of all facets of the design and construction of the New Tacoma Narrows Bridge.



Tacoma Narrows Suspension Bridge – 2006



Foss Waterway Cable-Stayed Bridge -1997

Presidents Message

As summer comes to a close, I am sure your thoughts (just like mine) begin to turn to the upcoming year's schedule of events for SEAW. For many of us, Labor Day signals the disappointing end of incorporating white into our wardrobe, which is offset only by the sheer joy of monthly SEAW meetings. We have been planning our dinner meetings for a couple of months now, and we already have a handful of promising events lined up. The September meeting will feature a look at the new Tacoma Narrows Bridge through the end of construction, and we are also currently working on tours of the APA lab as well as the Nucor rebar plant in West Seattle later in the year. We have discussed the possibility of a lunch meeting in lieu of the regular dinner meeting, in order to mix things up a bit. If you have a strong opinion (one way or the other) regarding what you would like to see from the SEAW Southwest Chapter this year, feel free to let me know at dmceachern@ahbl.com.

On another note, the other day I was casually reviewing the 2006 IBC, and ASCE 7-05, and ACI 318-05, and ACI 530-05, and the 2005 NDS, and the 13th Edition of the AISC Steel Construction Manual, and the AISC Seismic Design Manual, when I realized that getting up to speed with the new codes might take a little work (the stack of new codes and resources was 9 1/2" tall if you were wondering). The good news (in case you haven't heard), is that the 2007 SEA Northwest Conference is scheduled for September 13th - 15th in Seattle. Having the conference so close to us this year affords engineers in the Southwest Chapter a great opportunity to get up to speed on the 2006 IBC. There are a handful of technical sessions for engineers to attend, which should offer some insight into changes from the 2003 to the 2006 IBC. I hope to see you there!

If the SEA Northwest Conference doesn't fit your schedule, the Seattle Chapter of SEAW is scheduling a seminar this October, which should highlight the changes incorporated into the 2006 IBC. I have been to similar seminars put on by the Seattle Chapter in past code cycles, and they have been well worth it. So, if you are like me, and have not yet fully embraced LRFD timber design or Appendix D of ACI 318, SEAW has some powerful resources to draw on, which can help you update your engineering practice to the current state of the art.

Andrew D. McEachern, P.E., S.E.
dmceachern@ahbl.com
253.383.2422 TEL
253.383.2572 FAX

Southwest Chapter Board of Directors

The 2007-2008 Southwest Chapter Board of Directors are:

- Drew McEachern, President
- Mark Anderson, President Elect
- Dan Sully, Secretary
- Andrew Pflueger, Treasurer
- Ron Seehafer, Voting Director
- Sara Imbruglio, Non-Voting Director
- Mark Leingang, Past President

Please Welcome our new Board of Directors at the September 19th meeting. They have a great list of programs for this year's meetings – watch your newsletters for upcoming events!

St. Martin's University to Offer Evening Classes at TCC

Saint Martin's University will begin offering evening classes at Tacoma Community College starting this fall. The programs are based on a 2+3 program. Two years of work at TCC plus three years of hard evening work through SMU.

Part Time Instructors Needed

Minimum qualification is an MS in Civil Engineering, Mechanical Engineering, or a closely related field. Instructors are also being sought for math and other related areas.

If you would like to be a part of this great opportunity, please contact:

Vince McClure
Saint Martin's University
vmcclure@stmartin.edu or phone 360-438-4323

Applications Accepted

The following applications have been accepted for membership:

- Owen Bower
PCS Structural Solutions
BSCE, University of Cincinnati
MSCE (in progress), University of Cincinnati
Class of Membership: Associate
- Maria Laraisse
MC Squared Inc.
Civil Engineer, St. Martin's University
Engineering Graduate, St. Martin's University
Class of Membership: Associate
- Michael Robinson
MC Squared Inc.
BSCE, St. Martins University
Class of Membership: Associate
- Gary Grauman
MC Squared Inc.
AA CET, Centralia College
AA General Engineering, Centralia College
Class of Membership: Affiliate
- Larry Ramey
Weyerhaeuser
BSCE, Colorado State University
License: Washington SE, Alaska PE
Class of Membership: MEMBER
- Jill Walsh
T.Y. Lin, International
BS, California State University Fresno
MS, University of California San Diego
PhD, University of California San Diego
License: Washington PE, California PE
Class of Membership: Professional Associate

Please Welcome all of our new members at the September meeting!

Keep Your Information Current

Have you changed positions recently? Received your PE or SE license? Have you changed location, either personally or professionally? You can change your information on the web site (contact Sarah for your login and password) or send an email to seawswchapter@comcast.net

Don't Forget Those Dues!

Reminder statements were sent out last week for 2007 dues. Dues can be paid at the September meeting, or online at www.seaw.org!

Upcoming Events

Watch your newsletter for the following upcoming events!

- APA-The Engineered Wood Association Lab Tour and dinner presentation by Tom Skaggs. Their new lab is huge and contains a lot of new test equipment. We haven't been there for several years so this will be great!
- Tour of the Nucor Rebar Plant
- SW Chapter Tradeshow (February) at the Tacoma Dome Exhibition Hall
- Joint Meeting with Seattle Chapter (April, we host)
- Joint Meeting with AIA SW Chapter (May, we host)

If you have any ideas for presentations, tours, site visits, or other items the membership would enjoy, please contact a Board member or Sarah.

SEAW Residential Registry

As a service to homeowners, SEAW makes available a registry of engineers available to perform residential work. Although SEAW does not make referrals of professional engineering services, the list gives homeowners a starting place from which to begin their selection process. If you would like to be included on the list, please e-mail your name, company and contact information to Lynnell at the SEAW office: seaw@seaw.org. The residential registry can be viewed on the web at www.seaw.org.



Twisting, Turning and Learning the 2006 International Building Code (IBC)

Photograph courtesy of Seattle Municipal Archives

The SEAW Seattle Chapter
is proud to present...



THE 2007 SEA NORTHWEST CONFERENCE
September 13—15, 2007 in Seattle, Washington



**Mark your Calendar! September 13—15, 2007 is
The 2007 SEA Northwest Conference's
Twisting, Turning and Learning the IBC 2006**

Special guest presentations by:

Paul Dorpat, Seattle Chronicler and editor of the Seattle Times Pacific Northwest Magazine Column "Then and Now", and co-author of the recently published "Washington Then and Now", **speaking on the development of Washington State.**

Dan Doyle, Executive Vice President of Venue Construction for the 2010 Winter Olympics in Vancouver, BC will be **speaking on the many challenges of hosting the 2010 Olympic & Paralympic Games.**

Mahmoud Kamara, Ph.D. of the Portland Cement Association will be speaking on **"Multi-hazard Design of Concrete Buildings".**

Technical Topics will Include:

An Overview of the 2006 IBC/ASCE 7-05
What's New in Seismic Design
Nonstructural Seismic Bracing Requirements
Fire/Life Safety, Fire Protection, & Mechanical, Electrical, &
Plumbing System Considerations
Foundation Design using the 2006 IBC
Introduction to the 2006 International Existing Building Code
Panel Discussion—Enforcing the IBC

And for Fun....

Relax and sail with us Friday night on the **Argosy Dinner Cruise!** Enjoy a 3-hour dinner buffet as we cruise along the Seattle shores and enjoy the views at sunset. Sign up early, though, this popular event fills up quickly!

Show off your swing on Saturday at the **Golf Tournament** in Redmond! Prizes will be awarded afterward at a **Family BBQ.**

Location, Location, Location!

Conference location and Accommodations are provided by the newly expanded **Sheraton Seattle Hotel.** Located in the heart of Seattle's Business and Shopping District, the Sheraton is conveniently located within walking distance to some of the best shopping and tourist destinations of Seattle.

Check upcoming publications of The Equilibrium for registration information and a schedule of events. Or, visit the Structural Engineers Association of Washington's website at: www.seaw.org

We're looking forward to seeing you there!

SEAW Southwest Chapter
2007-2008 Board of Directors

President:

Drew McEachern
253-383-2422
dmceachern@ahbl.com

President Elect:

Mark Anderson
253-941-9929
manderson@anderson-peyton.com

Secretary:

Dan Sully
253-941-5019
dsully@cityoftacoma.org

Treasurer:

Andrew Pflueger
253-383-2422
apflueger@ahbl.com

Voting Director:

Ron Seehafer
253-941-4937
ron@ggarchitects.com

Non-Voting Director:

Sara Imbruglio
253-383-2797
simbruglio@pcs-structural.com

Past President:

Mark Leingang
360-754-9339
mark@mc2-inc.com

Administrative Secretary:

Sarah Middleton
253-382-2936
seawswchapter@comcast.net

The SEAW Southwest Chapter newsletter is printed monthly from September through May. Circulation is approximately 150 members & related organizations. Articles, letters and announcements are accepted through the SW Chapter office at PO Box 111480, Tacoma WA 98411. Advertising Rates: Help wanted \$25; Goods/Services and inserts \$50. Items received by the 30th of the month will be considered for publication in the following month's issue. For information, contact the SW Chapter at 253-382-2936 or email seawswchapter@comcast.net