



# Tacoma/Olympia Section Civil Engineer THE NEWSLETTER

NOV 2006

**Section Meeting**  
Tuesday, November 14

**Cost/Risk Estimation and Management with Mark Gabel, WSDOT**

## LUNCH MEETING

**St. Martin's Worthington Center, Lacey**

**Cost:** \$20 \* cash or check  
\*students half price

**Social:** 11:00am  
**Lunch:** 11:30am  
**Program:** noon

**Menu:** Buffet Chicken Picatta (pan seared chicken in a mushroom, cream and caper sauce) and a Fruit Cobbler for dessert.

## Reservations:

Please RSVP by noon,  
Friday, Nov. 10  
Contact Kay Hoke at  
[khoke@cityoftacoma.org](mailto:khoke@cityoftacoma.org)  
or 253.591.5760

## CRA/CEVP®—Cost/Risk Estimation and Management



WSDOT, like many agencies grappling with large complex projects, began a critical self-examination after one particularly sensitive project—the SR 167 Freeway Extension—experienced significant increases in cost estimates during the early stages of project development. Politicians asked for an explanation. In answer, WSDOT has developed a new methodology to better estimate the cost of large projects. The methodology relies on risk based estimating techniques to generate probable costs and schedule ranges for larger projects. This presentation describes the program, CRA/CEVP®, used by WSDOT.

*Mark Gabel, P.E.*, joined the Cost Risk and Estimating Management Office at the Washington State Department of Transportation (WSDOT) last year. His office is the home of the Cost Estimate Validation Process® (CEVP®). He has worked in combined design and construction offices but primarily in project planning and design, and project management training over the last 10 years. He earned his undergraduate in Civil Engineering at the University of Alaska, Fairbanks and his Master's Degree at the University of Washington in Seattle. He has been asked to share with us some of what WSDOT is doing with risk based estimating, specifically to talk about the CRA/CEVP® workshops.



Tacoma/Olympia Section Board 2006 - 2007

<http://sections.asce.org/tacoly/html/board.htm>

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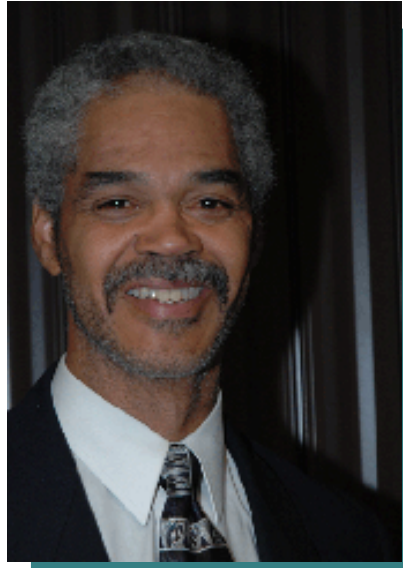
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[dekedesigns@aol.com](mailto:dekedesigns@aol.com)

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Richard Swanson...360.455.3161  
[rswanson@skillings.com](mailto:rswanson@skillings.com) or  
[richardswanson@comcast.net](mailto:richardswanson@comcast.net)

For address changes/corrections, notify the Editor or the WEBmaster.

## President's Corner with Michael Hale



**Michael Hale** P.E. has worked for the City of Tacoma Public Works Department for the past 12 years. He is Assistant Division Manager of the Construction Division.

I want to thank the Tacoma-Olympia ASCE Section for having me as your Section President the year 2006 -2007. I, along with the other Section Officers, look forward to serving our Section with the

enthusiasm, diligence and dedication that will help make it one with vision and purpose and that meets the challenges of the ever growing and changing Civil Engineering profession.

I attended the ASCE National Conference, held October 18 through 22, 2006, in Chicago. The theme was "Surviving the Future". The presentations given addressed the many potential hazards that our infrastructure is subjected to causing damage and/or destruction. Discussed were buildings, bridges, roads, water supply systems, sewer systems, water plants, airports, train terminals, rail systems, wastewater treatments, dams, hospitals, stadiums, etc.,—many things that are not always or normally thought of as being vital parts of our infrastructure. Our country, since the 911 event, has put much emphasis on protecting its infrastructure from terrorism. But the events of Hurricanes Katrina and Rita last year brought to our attention and reminded us, that Mother Nature is also a major threat to our infrastructure. The potential of damage is not limited to these events, but from others such as chemicals, explosions, flooding, fires, earthquakes, mudslides, etc. The presentations pointed out, that we, as Civil Engineers, need to take the lead in taking action to do the things necessary to protect and restore our infrastructure. Civil Engineers have to be involved in our communities and our government to make them aware of the importance of this issue. Civil Engineers have to be creative and have vision of the future to address the needs of our country. The role of the Civil Engineer, I am sure we all agree, is an important role in meeting both the present and future needs of our country. The Tacoma-Olympia Section has to take on this role.

**I invite you, as members, to become active in our Section. Come to our Section meetings.** This way you can share with other engineers what we are doing and what engineering activities are happening around you. **Provide your input** on what you think our Section can or should be doing to better meet the needs and desires of our members. **Invite other engineers to our meetings** or to consider becoming members of ASCE. Let us know if you are involved on a project or aware of a project that can be a topic for presentation at one of our Section meetings. **The growth and dynamics of our Section is dependent upon our members.** Do get involved in your communities, such as schools, your local government, etc., and let them know about what civil engineers do, and how we help provide the things necessary for people to live.

**Our December Section Meeting is our Annual Joint Meeting with the Seattle.** Please put this on your schedules and come out and join us. Let's show our pride as

fellow civil engineers and make this an enjoyable event. Hope to see you at both our November meeting and the Joint meeting in December.

Best Regards,

Michael Hale  
2006-2007 Tac/Oly Section President

### See Your AD Here!

#### Advertise in our newsletter!

Post a business card sized ad in our newsletter for \$200 per year. **Interested?**

Contact:

**Michael Hale...253.591.5766**  
[mhale@cityoftacoma.org](mailto:mhale@cityoftacoma.org)

## Mathematic, Engineering, Science Achievement (MESA) Program



**Michael Hale, ASCE, presented a check for a \$1,000 donation to Ms. Brenda Walker, MESA Director**

MESA is a program serving Pierce County area elementary through high school aged students. Exposing them to the fields of mathematics, engineering and science. The program is provided as both a regular school curriculum and

after school activity. The Tacoma-Olympia ASCE Section has been a supporter of the MESA Program for many years. ASCE members have given presentations to school classes; helped out at functions; participates in MESA's Annual Careers Day Program, Bridge competition, etc.

The MESA Program held its Annual Awards Banquet on May 18, 2006 to honor senior High School Students and students that received scholarships and awards for achievements they made during the past school year. Members of the Tacoma-Olympia ASCE Section attended the program and **Michael Hale**, President-Elect, presented a donation check for \$1,000.00, in support of their program and efforts in making students aware of the Engineering profession.

## Section Calendar



Section Meetings are open and held once a month, September through May. Meetings are **generally held** on the **second Tuesday** of the month. Locations alternate between Tacoma and Lacey, and times vary between lunch and dinner meetings.

**November 14, Cost/Risk Estimation and Management, Mark Gabel, WSDOT,**  
Location - St. Martin's Worthington Center, Lacey. Lunch meeting 11am

**December 13, Tacoma/Pierce County HOV Program, speaker is Gordon Roycroft** Joint Meeting with ASCE Seattle Section, La Quinta Inn, Tacoma 5:30pm

**\*DATE/TIMES/LOCATIONS ARE TO BE VERIFIED**

Local Board Meetings are open and **generally held** the **first Monday of the month** at 5:30pm. Locations vary. Please check the WEB site, this calendar, or contact the president for confirmation.

**Board Meetings:  
November 6, 6 pm**

call **253.591.5766 (Michael Hale)** for location

<http://sections.asce.org/tacoly/tacoly.htm>

## TRANSPEED Courses

For a complete list of courses, visit the website at <http://www.engr.washington.edu/epp/Transpeed/index.html> for specific course descriptions and dates. Click on the specific course link to view the course outline.

or contact:

**Julie Smith**

Engineering Professional Programs

**Phone:** 206-543-5539

**Toll-Free:** 1-866-791-1275

## 2006 Winter/Spring Professional Development Short Courses

For a complete description of the course and registration information visit our website <http://www.engr.washington.edu> or call us at: Engineering Professional Programs, University of Washington, phone: 206.543.5539 (fax) 206-543-2352 or (toll free) 1.866.791.1275

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Stephanie Strom, Program Mgr:

[ssstrom@u.washington.edu](mailto:ssstrom@u.washington.edu)

(direct) 206-685-9682

Stacy Williamson, Prog. Coord.

[stacyw@u.washington.edu](mailto:stacyw@u.washington.edu)

(direct) 206-543-5743

## Continuing Ed

For scheduled seminars in your geographic area are available on ASCE's website at [www.asce.org/conted/seminars](http://www.asce.org/conted/seminars).

These in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department and may be of interest to many ASCE members in your Sections and Branches. We would greatly appreciate if you would consider posting information on these seminars in your newsletters and on your websites.

If you have questions or need assistance, please contact:  
**Kelly Jarvis**, Continuing Education Registrar at [kjarvis@asce.org](mailto:kjarvis@asce.org) or  
**Michael Cook** at [mcook@asce.org](mailto:mcook@asce.org).

## ASCE Announces The Formal Release of the 2007 BRIDGES Calendar

**Imprint your company logo—just in time for Christmas!**



ASCE announces the formal release of the 2007 BRIDGES calendar. This year's calendar features 12 breathtaking bridges from the Fort Pitt Bridge in Pittsburgh, PA., to the Puente de Besalú in Catalonia, Spain. **Imprint your company logo**—The Bridges 2007 calendar is a gift that can truly connect businesses. By imprinting a company's name and logo on the calendar when distributed, Bridges 2007 provides unparalleled exposure for your company or organization.

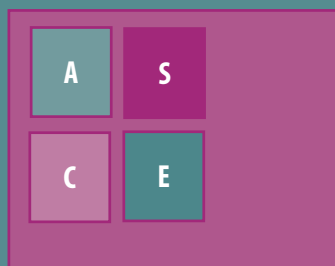
The Bridges 2007 Calendar is an ideal gift that truly connects with those you work and do business with. Multiply its marketing power by imprinting your organization's name and logo on the calendar!

Please note that there is a minimum quantity of 100 calendars for all imprint orders. To order your calendars go to <http://www.pubs.asce.org/calendar/cover.html>



**We're on the web!**

<http://sections.asce.org/tacoly/tacoly.htm>



Civil Engineer Newsletter is published monthly from September to May for the Tacoma/Olympia Sections of the American Society of Civil Engineers.

To submit ads or articles of interest please contact the President or the Editor. Information must be submitted not later than the 15th of the month to be included in the next publication.

**Engineers Make  
The Difference—  
They Provide the Quality of Life!**