



# Civil Engineer THE NEWSLETTER

MAY 2004

## Long Term Performance of Marine Concrete Piles

**Speaker:** Woosuk Ahn, Ph.D., P.E., Art Anderson Associates

Dr. Ahn holds a Ph.D. in Ocean Engineering and works as a Senior Engineer for Art Anderson Associates located in Bremerton, Washington.

Dr. Ahn will discuss the results of his study on the long term performance of marine concrete piles. Dr. Ahn's presentation will address the durability of prestressed concrete large diameter cylinder piles exposed to severe marine splash/tidal zone. He will also address prediction results of time to initiation of corrosion; effects of water to binder ratio (w/b), fly ash, and cover thickness; and the influences of environmental characteristics.

In addition, Dr. Ahn will discuss:

- (1) remarkable durability enhancement for the utilization of low w/b concrete mixture, comparing with the increase of cover thickness;
- (2) ineffectiveness of fly ash inclusion; and,
- (3) importance of selection of manufacturing process, structural design, and construction procedure.

## May Meeting

**Tuesday, May 11**

**LaQuinta Inn**

1425 E. 27th Street, Tacoma,  
(253) 383-0146

**Social 6:00pm**

**Dinner: 6:30pm**

**Program: 7:15pm**

Tossed Green Salad  
w/House Dressing

Chicken Dijon

Roasted Red Potatoes

Vegetable Medley

Rolls

Coffee and Tea

Chef's Choice Dessert

**Cost: \$20.00/person**

**RSVP by May 10th**

**Call Connie Linden**

**253.565.4491**

[conniel@baselinetacoma.com](mailto:conniel@baselinetacoma.com)



## Don't Forget—We NEED You!

The section plans to man a booth at the **Western Washington Fair** September 10 through September 14. For continued success of this outreach project, **we need your support.** Please contact **Connie Linden** or **Bernie Hargrave** for more information.

**T**his month is our last meeting before the summer break. No Section meetings are scheduled for June, July and August. Our next meeting is scheduled for Wednesday, September 15, 2004, and is a joint meeting with SEAW.

The Tacoma/Olympia Section ballot will be sent with the May newsletter. I encourage you to participate.

*“As a reminder, the Tacoma/Olympia Section plans to again provide a booth during the first week of the Puyallup Fair in September 2004.”*

In the past, ballots have been sent via mail. This year we are trying an electronic ballot, and the Board encourages your feedback on this format. If you have questions on the ballot, contact me at [conniel@baselinetacoma.com](mailto:conniel@baselinetacoma.com).

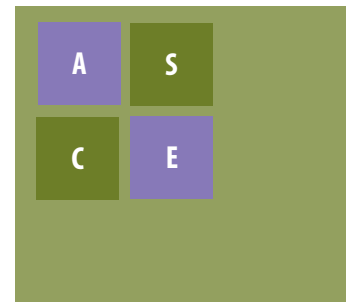
Our District 12 Director, **Greg DiLoreto**, gave us an update at the April meeting on the Governance Restructure proposal. The ASCE National Board of Direction has approved this proposal. ASCE National will send ballots to the membership in June 2004. For more information, see the follow on article or go to the ASCE National website at [www.asce.org](http://www.asce.org)

As a reminder, the Tacoma/Olympia Section plans to again provide a booth during the first week of the Puyallup Fair in September 2004. To make this event a success, we need your help. If you are able to assist in manning the booth, or can provide assistance in booth setup or break down, please contact me at [lindenconnie@aol.com](mailto:lindenconnie@aol.com). Your support is vital to the success of this outreach effort.

I wish you all a great summer!

Best regards,

Connie E. Linden  
Tacoma/Olympia Section President  
2003-'04



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

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

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

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

## MEMORANDUM FROM NATIONAL

### ASCE GOVERNANCE RESTRUCTURING

(This article was taken from the ASCE National website at [www.asce.org](http://www.asce.org). It provides links for immediate comments and feedback.)

#### Ensuring representation

#### Creating leadership opportunities

#### Enabling ASCE's success

Since 1853, when the Board of Direction (BOD) of the American Society of Civil Engineers met for the first time, the board has been charged with setting a direction for the Society, allocating resources, and establishing policies to guide the organization and serve the membership and the profession.

Today, ASCE membership has grown to include more than 133,000 civil engineers worldwide. As the Society has grown and changed, so has its board,

from nine members to 28. The BOD now consists of the ASCE President, the immediate Past President, the President-Elect, four Zone Vice Presidents, 20 domestic Directors and one international Director.

Many members believe that the board's current composition fails to represent ASCE's increasingly diverse and mobile membership. Women, minorities and younger members are underrepresented. Meanwhile, half of all ASCE members belong to an Institute, yet the Institutes have no voting representation on the board. The proposed restructuring plan seeks to close these gaps.

If ASCE is to help our members meet the challenges facing the profession, we must remove barriers to participation and structure our governance to create new leadership opportunities. This site is dedicated to the ongoing discussion of ASCE governance restructuring, what the

proposed changes are and what they will mean to ASCE members. As always, your comments and feedback are critical to this process, as is your vote on the governance restructuring constitutional amendment. Ballots will be mailed to all voting members in early June and are due at the election vendor by noon on August 13. Please make sure your contact information is correct so you don't miss this important vote.

## Section Calendar

**Monday May 3** Board Meeting, 6:00pm, Red Lobster, Tacoma

**Tuesday May 11** Section Meeting  
**Long Term Performance of Marine Concrete Piles;** Guest Speaker: Woosuk Ahn, PhD., P.E., Senior Engineer, Facilities Division, Art Anderson Associates\*

**NOTE: Section Ballot will be provided in the May newsletter.**

### NO MEETINGS IN JUNE

**Monday JULY 5** Board Meeting, 6:00pm\* TBA

**Monday, Aug. 2** Board Meeting\* TBA

**September 10-14, 2004**  
**Western Washington ASCE Tacoma/Olympia Section Fair Booth, Puyallup. It is never too early to volunteer! Contact: Connie Linden.**

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

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.

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.

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

## TRANSPEED Courses

The Winter/Spring TRANSPEED Schedule Below is a list of the upcoming courses. Please view our 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.

I look forward to seeing you at a TRANSPEED course soon. If you have any questions please feel free to contact me anytime.

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### Christy Pack

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UW Engineering Professional Programs  
10303 Meridian Ave N #301  
Seattle, WA 98133  
1-866-791-1275 toll free  
direct 206-543-5539 206-543-2352 FAX  
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### Transportation and Construction:

- Basic Highway Capacity Analysis for Engineers and Planners
- Roadway Safety: Analysis, Evaluation and Programming
- Storm Water Engineering for Transportation Professionals
- Traffic Engineering Operations
- Legal Liability for Transportation Professionals
- Traffic Signal Timing and Operations
- Techniques for Pavement Rehabilitation
- Manual on Uniform Traffic Control Devices
- Developing Contract Working Days
- Work Zone Traffic Control Plan Design
- Traffic Calming: Techniques and Management
- Traffic Signal Design
- Urban Street Design
- Fundamentals of Traffic Engineering

### Management/Organizational Success:

- Technical Communication for Engineers and Planners
- Managing Scope, Schedule and Budget
- Managing Consultants
- Geotechnical/Structural
- Concrete Bridge Design

## 2004 Winter/Spring Professional Development Short Courses

For a complete description of the course and registration information visit our website 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**

**Stephanie Strom, Program Mgr:**  
**sstrom@u.washington.edu**  
(direct) 206-685-9682  
**Stacy Williamson, Prog. Coord.**  
**stacyw@u.washington.edu**  
(direct) 206-543-5743

**Construction Site Erosion and Pollution Control**  
**Apr. 13-14, 2004 \* \$475 on or before Mar. 30, \$510 thereafter**  
[www.engr.washington.edu/epp/cee/cec.html](http://www.engr.washington.edu/epp/cee/cec.html)

**NEW! Project Leadership Workshop --**  
**May 12-13, 2004 \* \$655 on or before Apr. 28, \$685 thereafter**  
[www.engr.washington.edu/epp/cee/plw.html](http://www.engr.washington.edu/epp/cee/plw.html)

**Geology and Geomorphology of Stream Channels**  
**May 18-19, 2004 \* \$495 on or before May 4, \$530 thereafter**  
[www.engr.washington.edu/epp/cee/ggs.html](http://www.engr.washington.edu/epp/cee/ggs.html)



Tacoma/Olympia Section Board **2003 - 2004**

### President

**Connie Linden...253.565.4491**  
[conniel@baselinetacoma.com](mailto:conniel@baselinetacoma.com)

### President-elect

**Kathy Hargrave...253.474.9449**  
[kathyhargrave@sitts-hill-engineers.com](mailto:kathyhargrave@sitts-hill-engineers.com)

### Secretary

**Jason Moline...253.502.2239**  
[jmoline@ci.tacoma.wa.us](mailto:jmoline@ci.tacoma.wa.us)

### Treasurer

**Bernard Hargrave...253.764.6839**  
[Bernard.L.Hargrave.Jr@nws02.usace.army.mil](mailto:Bernard.L.Hargrave.Jr@nws02.usace.army.mil)

### Director PNC Rep

**Susan Coffman...253.594.7905**  
[Susan.Coffman@ci.tacoma.wa.us](mailto:Susan.Coffman@ci.tacoma.wa.us)

### Director

**Morris J. "Gus" Fant...253.922.2332**  
[gusf@ahrengineers.com](mailto:gusf@ahrengineers.com)

### District 12 Director

**Greg DiLoreto...503.848-3032.**  
[Greg@tvwd.org](mailto:Greg@tvwd.org)

### Younger Member Chair

**Wes Jones...253.474.9449**  
[wesjones@sitts-hill-engineers.com](mailto:wesjones@sitts-hill-engineers.com)

### Past President

**Chris Beckman...253.468.0309**  
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[rswanson@skillings.com](mailto:rswanson@skillings.com) or  
[richardswanson@comcast.net](mailto:richardswanson@comcast.net)



**We're on the web!**

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