



SEAW SW Chapter, P.O. Box 111480, Tacoma, WA 98411  
www.seaw.org seawswchapter@comcast.net 253.382.2936

## SEAW – ASCE Chapters Joint Meeting Lincoln Avenue Grade Separation Project

Trevor Thornseley, P.E. and Chuck Spry, P.E., S.E.

Wednesday, September 17, 2008

### Existing Conditions

The Tacoma Tidelands is a very active area which includes a variety of port-related intermodal transportation-related facilities, as well as many non-port related industrial operations. Conflicts between rail and vehicular traffic adversely and severely impact the movement of freight goods along Lincoln Avenue, in the vicinity of Milwaukee Way, where four support tracks currently cross Lincoln.

### Proposed Project

The Lincoln Avenue Grade Separation project provides for a grade separation structure along Lincoln Avenue, in the vicinity of Milwaukee Way to allow for the unimpeded flow of vehicular traffic by eliminating the present conflicts with railroad traffic at existing at-grade crossings at this location.

There are several new at-grade roads which have to be constructed prior to construction of the grade separation, due to changes in the traffic flow. The project was broken up into separate construction contracts to encourage completion and open the bidding up to smaller local firms, prior to the large grade separation project.

Unique features of the grade separation itself consist of tied-back sheet pile walls along the Lincoln Avenue ditch, supporting EPS light weight fill approaches to the bridge structure, and an 1170 foot long bridge supported on large diameter deep drilled shafts.

### JOINT SEAW – ASCE MEETING

Date: Wednesday, September 17, 2008  
Location: LaQuinta Inn  
1425 East 27<sup>th</sup> Street  
Tacoma, WA 98421  
Social Hour: 5:30 pm  
Dinner: 6:00 pm  
Program: 6:30 pm  
Cost: \$25/Person, Students Half-Price  
Reservations: Reservations deadline  
**Friday, September 12<sup>th</sup>**  
(No Shows Will Be Charged)  
Email: seawswchapter@comcast.net  
Phone: 253-382-2936  
Menu: Italian Buffet – Caesar Salad, Baked Lasagna, Tortellini Alfredo, Garlic Bread, Vegetables, Fruit, Desserts



## September Speakers

Trevor Thornsley, P.E.

Senior Project Manager  
Port of Tacoma

Mr. Thornsley has over 21 years of design and construction experience working on land development and public works improvements in Washington and California. He has been a Port of Tacoma employee for nearly 9 years working as a Project Manager overseeing multiple capital improvement projects from initial planning thru design and construction. His projects have ranged from wharf extensions, container crane modifications, dredging and building, site and bridge improvements. Acting as a Sr. Project Manager for the past 2 years he now oversees a staff of project managers in the completion of capital improvement projects n and around the Port of Tacoma tideflats.

Chuck Spry, P.E., S.E.

Senior Project Manager  
BERGER/ABAM Engineers, Inc.

Mr. Spry has nearly 30 years of professional experience in the design and construction of bridges and transportation facilities, all with BERGER/ABAM Engineers. His background has focused on planning, structural engineering, and construction administration. His more notable projects include the SR 509/I-705 elevated single-point urban interchange (SUPI) bridge for WSDOT in Tacoma; the concrete spliced girder Don E. Wickstrom Bridge for the City of Kent; and the South 180<sup>th</sup> Street grade separation and underpass project for the City of Tukwila. Chuck graduated from the University of Washington and is a registered civil and structural engineer in the states of Washington and Oregon. He is a member of SEAW, PCI and ACI.

## From the President

By Mark Anderson

Here we are, another summer has past and the SEAW fun of fall begins. Many great meeting topics are ahead.

This month we renew our traditional annual meeting with ASCE. The program will be on Tacoma's Lincoln Bridge. Coming next month will be a hands-on meeting with CMU - more to come.

The 2008 SEAW Northwest Conference was held this past June in Sun Valley, Idaho. My wife and I attended. I spent my time in the technical sessions while she... well, saved money at sales. The conference was well attended and the food and dinner presentations were amazing. Thursday lunch we heard from Bill Karren, the Grand Canyon Skywalk Structural Engineer. If you are not familiar with the project try Google. The Thursday evening presentation was by Leslie E. Robertson "The

High-Rise Buildings of Yesterday and Tomorrow". The evening went late indeed with a great presentation and a long question and answer period.

On a similar thought, we the members of the Southwest Chapter, are in charge of the Northwest Conference next year (2009). We have set a time table of late September for the conference to be held and will highlight the renewed downtown Tacoma area and the 2009 IBC. Committee work is in process and if you would like to help, please give me a call or email me at [manderson@anderson-peyton.com](mailto:manderson@anderson-peyton.com)

Mark Anderson, P.E., S.E

[manderson@anderson-peyton.com](mailto:manderson@anderson-peyton.com)

253.941-9929

# Cascadia Region Green Building Council Integrated Design Process



UNDERSTAND AND IMPLEMENT  
ONE OF THE TENETS OF  
GREEN BUILDING

## WASHINGTON WORKSHOPS

PRESENTED IN PARTNERSHIP WITH



**BETTERBRICKS**  
*bottom line thinking on energy.*

### INTEGRATED DESIGN PROCESS AN INTRODUCTION TO THE IDP AND DESIGN SYNERGIES

An Introduction to the IDP is a half-day workshop that has been designed for people who will be participants in the IDP and want to improve their skills and ability to understand, effectively participate in and contribute to this process. It will also assist project team members to make the case for IDP to their clients and colleagues.

DESIGN SYNERGIES is a one-hour seminar that will address how integrated design synthesizes climate, use, loads and systems to deliver a more comfortable, productive and energy-efficient environment, while meeting project requirements and budget. This seminar will be offered in Oregon and Washington in partnership with BetterBricks.

**TACOMA | THURSDAY, 09.18.08**  
UW Tacoma, Cherry Parkes Building, Room 106  
1922 Pacific Avenue  
**CLICK TO REGISTER**

**SEATTLE | WEDNESDAY, 10.15.08**  
Integrated Design Lab  
400 East Pine, Suite 100  
**CLICK TO REGISTER**

**BELLINGHAM | TUESDAY, 09.23.08**  
Sustainable Connections  
1701 Ellis Street  
**CLICK TO REGISTER**

**SPOKANE | THURSDAY, 10.23.08**  
Spokane Convention Center  
334 West Spokane Falls Boulevard  
**CLICK TO REGISTER**

Check-in begins at 7:30am, workshop is from 8:00am-noon. Lunch/seminar is from noon-2:00pm.

#### REGISTRATION (note, the early rate applies until two weeks prior to each event)

IDP WORKSHOP	early rate	regular rate
Cascadia members	\$150	\$200
Non-members	\$175	\$225
Full-time Students	\$75 (limited availability)	

WORKSHOP + SEMINAR (INCLUDES LUNCH):	early rate	regular rate
Cascadia members	\$175	\$225
Non-members	\$200	\$250
Full-time students	\$85 (limited availability)	

SEMINAR ONLY	early rate	regular rate
Cascadia members	\$25	\$35
Non-members	\$30	\$40
Full-time students	\$15 (limited availability)	

For additional conference information visit [www.cascadiagbc.org](http://www.cascadiagbc.org).  
Questions? Contact Angie Morgan, [angie@cascadiagbc.org](mailto:angie@cascadiagbc.org) OR 206-223-2028.



## Southwest Chapter Board of Directors

2008 – 2009

Please welcome this year's Southwest Chapter Board of Directors.

- President – Mark Anderson  
Anderson Peyton Engineers
- Past President – Drew McEachern  
AHBL
- Secretary – Dan Sully  
City of Tacoma
- Treasurer – Andy Pflueger  
AHBL
- Voting Director– Todd Phillips  
Anderson Peyton Engineers
- Voting Director – Wes Neeley  
PCS Structural Solutions
- Non-Voting Director – Sara Imbruglio  
PCS Structural Solutions

Thank to you these members for serving on this year's Board!

## NCEES PAKS

The National Council of Examiners for Engineering and Surveying (NCEES) is currently seeking licensed structural engineers to participate in a Professional Activities and Knowledge Study, or PAKS, for the Structural Principles and Practice of Engineering (PE) exam. The results of this study will be used to determine the specifications for the exam, which is scheduled to replace the current Structural I and II PE exams by April 2011.

Participants will complete an online survey about the tasks and knowledge required of a licensed structural engineer with 4 to 6 years of experience. The survey can be completed in less than 45 minutes.

You can help uphold the integrity of  
SEAW

Volunteer to be a SW Chapter Board Member. Positions are currently available.

Contact Mark Anderson at 253.941-9929 or [manderson@anderson-peyton.com](mailto:manderson@anderson-peyton.com) or

Drew McEachern at 253-383-2422 or [dmceachern@ahbl.com](mailto:dmceachern@ahbl.com)



Welcome Back SW Chapter Members!

“These studies help NCEES ensure its licensing exams remain relevant to current professional practice,” explained Director of Exam Development Tim Miller, P.E. “The value of this PAKS depends on the number of people who participate, so NCEES is eager to get input from as many licensed structural engineers as possible.”

Survey responses must be received no later than November 10, 2008. If you have any questions, please contact Prometric at 609-895-5234 and leave a message or email [pnjsurvey@prometric.com](mailto:pnjsurvey@prometric.com)

## Opportunities



**SWENSON SAY FAGÉT**  
A STRUCTURAL ENGINEERING CORPORATION

**WE'RE LOOKING FOR  
STRUCTURAL ENGINEERS**

We're a well established, mid-size structural engineering design firm recognized for our team work, creativity and innovation. Our diverse project teams and loyal clients provide opportunities to work with a variety of materials and building types.

All experience levels considered and encouraged to apply for positions in our Seattle and Tacoma offices.

**Very progressive benefits include:**

- > Competitive salary
- > Medical, dental (including orthodontia), vision, life/disability, 401(k), cafeteria plan
- > Subsidized transportation passes
- > Health club reimbursement
- > Three weeks paid vacation
- > Paid professional development opportunities
- > Testing and licensing reimbursement
- > Paid volunteer time off
- > Flexible and fun work environment
- > Casual dress code
- > Dog friendly office
- > Tons of social events + much more

**NWjobs  
PEOPLE'S PICKS  
2007  
FINALIST**

Company with the Most  
Laid-back Atmosphere  
+  
Best Architecture or  
Design Company

For more details visit [www.swensonsayfaget.com](http://www.swensonsayfaget.com)

### SEAW SW CHAPTER

#### 2008-2009 Board of Directors

##### President

Mark Anderson  
253.941.9929  
[manderson@anderson-peyton.com](mailto:manderson@anderson-peyton.com)

##### Secretary

Dan Sully  
253.941.5019  
[dsully@cityoftacoma.org](mailto:dsully@cityoftacoma.org)

##### Treasurer

Andrew Pflueger  
253.383.2422  
[apflueger@ahbl.com](mailto:apflueger@ahbl.com)

##### Voting Director

Todd Phillips  
253.941.9929  
[tphillips@anderson-peyton.com](mailto:tphillips@anderson-peyton.com)

##### Voting Director

Wes Neeley  
253.383-2797  
[wneeley@pcs-structural.com](mailto:wneeley@pcs-structural.com)

##### Non-Voting Director

Sara Imbruglio  
253.383.2797  
[simbruglio@pcs-structural.com](mailto:simbruglio@pcs-structural.com)

##### Past President

Andrew McEachern  
253.383.2422  
[dmceachern@ahbl.com](mailto:dmceachern@ahbl.com)

##### Administrative Secretary

Sarah Middleton  
253.382.2936  
[seawswchapter@comcast.net](mailto: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 30<sup>th</sup> 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](mailto:seawswchapter@comcast.net)