



SEATTLE SECTION NEWSLETTER

March 2007
Volume 42 No. 7

Section Officers

October 1, 2006 – September 30, 2007

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206-695-4608

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425-456-8568

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206-663-8898

Arthur Fleming, *Director (2008)*
425-329-1152

Jeanne Justice, *Director (2009)*
206-883-9300

Tarelle Osborn, *YMF Representative*
425-451-4009

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Tarelle Osborn, *Board Rep.*
425-451-4009

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206-292-1200

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206-223-0326

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206-296-5522

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KITSAP BRANCH OFFICERS

Roger Mustain, *President*
360-697-3713

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360-850-5319

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360-676-6985 ext. 215

Steven Goodrich, *Secretary/Treasurer*
360-826-4628

Rhett Winter, *YMF Chairperson*
360-647-7151

Gina Gobo, *Past President*

WEBMASTER

Jarl Priest
seattleasce@yahoo.com

ASCE Seattle Section and Kitsap Branch Joint Meeting

Wednesday March 14, 2007

Place: McCormick & Schmick's Harborside Restaurant
1200 Westlake Avenue North
Seattle, Washington 98109

Cost: \$20 per person (\$22 for late reservations)
Students \$10
Spouses and guests are welcome.
Cash or checks payable to ASCE are accepted.

Meal: Lemon Rosemary Chicken with Tuscan Relish or
Vegetarian Stir Fry with Sticky Rice
Dessert: Jake's Famous Chocolate Truffle Cake

5:30 Socialize
6:15 Dinner
7:00 Business Meeting
7:15 Break
7:30 Program: Hood Canal Bridge Project Update
8:30 End

Please make your reservations by
NOON Monday, March 12, by calling 206-926-0482
(voice mail system only — please leave a message)
or by sending an email to:
seattleascereservations@gmail.com

Hood Canal Bridge Project Update

Dean Moon, Hood Canal Bridge Design Manager, and Scotty Ireland, P.E., Hood Canal Bridge Project Construction Manager will present and update on the Hood Canal Bridge Project.

WSDOT is retrofitting and replacing the Hood Canal Bridge because the eastern half of the bridge is nearing the end of its structural service life. Repairs would not significantly extend the life of the bridge and rebuilding is more cost effective.

When finished the Hood Canal Bridge will have a new wider east-half floating section, new approach sections and transition trusses on the east and west ends. In addition, the west half will be widened to allow for continuous eight-foot shoulders across the entire length of the bridge -- matching the new east half.

Construction on the Hood Canal Bridge began in 1997. The east-half will be replaced in summer 2009, and west-half retrofitting completed by December 2010.

The deadline for the
April 2007 issue is
5:00 p.m.
FRIDAY, March 16, 2007
No exceptions.

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#### CHANGE OF ADDRESS:

All change of address information (including your mailing label if applicable) should be sent **DIRECTLY** to: 1801 Alexander Bell Drive, Reston, VA 20191-4400 **AND** to the newsletter editor shown above.

**AMERICAN SOCIETY OF  
CIVIL ENGINEERS, SEATTLE SECTION**  
<http://www.seattleasce.org>

Volume 42 No. 7, March 2007  
Published 10 times a year

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## President's Column

By Inga Drechsel, *President of the North Branch, ASCE Seattle Section*

As the president of the North Branch of the ASCE Seattle Section, I can say our branch is alive and well. The North Branch was founded in 1997, and was formed to provide those ASCE members living in Whatcom, Skagit and Island Counties with a local venue. We have a strong core group of members

who come to meetings every other month. Meeting topics have covered the wide range of member civil engineering disciplines such as land development, structural, geotechnical, transportation, etc., as well as more general topics of interest such as sustainability, Engineers Without Borders, high school popsicle stick bridge contests, and WSDOT snow removal techniques. In the past ten years, Whatcom and Skagit Counties have experienced high rates of population growth, and as a result the civil engineering community has grown as well. This growth has brought more civil engineers to the area for work, and in turn, brought the North Branch more ASCE members. One of the goals the North Branch has focused on for this year is to try to grow our membership by encouraging engineers that are new to the area to attend our meetings, by inviting local engineers who are not members to attend, and to encourage existing members who have not attended the presentations recently to try them out again.



*3<sup>rd</sup> graders testing their puff-mobiles at Jefferson School in April 2006*

In addition to providing bi-monthly presentations, the North Branch has started taking civil engineering out into the community. Over the past two years, volunteers from the North Branch have taken the program "Zoom Into Engineering" into local schools with great success. In October 2005, after go-

See *President's Column* on page 3

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## Bios for March 14th Speakers

**Dean Moon** is the Hood Canal Bridge Design Manager and has been with WSDOT for almost 17 years. He has an ATA in Civil Engineering Technology and has spent the majority of his career working as a Design Engineer. Dean's projects include: SR 167 HOV, SR 405 - Bothell to Swamp Creek HOV, I-5/SR 16 Interchange Design and SR 16 Union to Jackson HOV. In his role as Hood Canal Bridge Design Manager, Dean's responsibilities include: Closure Mitigation Design and Implementation, Construction Support Engineering, Material Documentation, Contract Control Drawings, Contract Submittal Review & Approval, and Technical Resolution.

**Scott Ireland, P.E.**, the Hood Canal Bridge Project Construction Manager, has worked for WSDOT for nearly 10 years. The Hood Canal Bridge Project is unique for WSDOT because it's the State's first Target Price Contract. This contract type requires a strong partnering commitment between WSDOT and the Contractor, Kiewit-General. Scott's responsibilities on this project include the oversight of all construction activities for the east-half replacement, including; pontoon casting, assembly and outfitting, anchor casting and setting and electrical and mechanical retrofit of the existing west-half of the bridge.

ing through some training, the first volunteers took the "Zoom" program into a classroom of third graders at the Bernice Vossbeck Elementary School in Lynden. Speaking from experience as one of the volunteers, I was a little nervous facing a classroom of third graders! After seeing first hand how much fun was had, I have to wonder who had more fun, the kids or the volunteers! It truly was a rewarding experience to present concepts of civil engineering in a simple way to the young minds. Then in April and May of 2006, armed with more volunteers and a little experience, North Branch volunteers presented "Zoom" to four classrooms of third graders at the Jefferson Elementary School in Mount Vernon. These programs were very successful, and the best part was seeing the third graders take home their gum-drop domes and "puff-mobiles" to show off to their families and friends. This spring the North Branch is once again scheduling a "Zoom" classroom presentation, and we are looking forward to having lots of fun sharing our careers with kids.



**Volunteer Rhett Winter helps 3rd graders with their puff-mobiles.**

A few years ago, a Younger Members group was founded for the North Branch, and a chairperson is selected each year to head this position. The younger member engineers of the North Branch support the volunteer activities especially well, and in turn, the North Branch gives younger members of ASCE a gathering place to network and continue their education outside of their jobs. The current chairperson, Rhett Winter, plans to try to connect with more local YMF members, and to get more involved with the very active Seattle Section YMF group.

I believe the North Branch is continuing the traditions of ASCE by providing a community for local civil engineers. The North Branch is also "branching out" in new directions in order to serve our members. This is our main purpose, and as an officer of the branch I welcome suggestions for more ways to accomplish this.

*Inga Drechsel*

President, North Branch

## ASCE Seattle Section Program Schedule

### March

**Date:** March 14, 2006 (Wednesday)  
**Location:** McCormick & Schmick's Harborside, Seattle  
**Topic:** Kitsap Branch Joint Meeting; Hood Canal Floating Bridge Replacement by WSDOT

### April

**Date:** April 11, 2006 (Wednesday)  
**Location:** McCormick & Schmick's Harborside, Seattle  
**Topic:** Water Resources Group Joint Meeting; The Affect of Global Climate Change on the Water Resources Infrastructure. By Dr. Richard Palmer, University of Washington Climate Laboratory

### May

**Date:** May 9, 2006 (Wednesday)  
**Location:** McCormick & Schmick's Harborside, Seattle  
**Topic:** Order of the Engineer Ceremony; Annual Student Presentations

### June

**Date:** June 13, 2006 (Wednesday)  
**Location:** McCormick & Schmick's Harborside, Seattle  
**Topic:** Outstanding Civil Engineering Project Awards

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# ASCE Seattle Section Executive Board Meeting Minutes For February 15, 2007

## Attendance:

**Board Members:** Garth Merrill, Eric O'Brien, Tom Schnetzer, Jeanne Justice, Arthur Fleming, Doug Knapp, Cliff Williams, Jack Bjork

**Other Section Members:** Ken DeBord, Ron Lavoie, Larry Costich, Dave Enger

**Visitors:** Larry Bennett

**1. Call to Order:** Section President Cliff Williams called the meeting to order at 4:30 PM at McCormick & Schmick's Harborside Restaurant.

## 2. Regular Business

- The January 10, 2007 Executive Board Meeting minutes were unanimously approved.

## 3. Standing Committees Action Items – Jeanne Justice, Director

The following board action items were identified:

- The History and Heritage Committee has requested records from the Section Secretary and Section Treasurer for the archives.
- Jeanne Justice will research potential RideShare possibilities to help assist members in carpooling to section meetings.
- The Audit Committee has requested hard-copy Quicken reports and bank statements.
- The University Advisory Committee is looking for volunteers for a Wednesday, 2/21/07 resume review at Seattle University. Contact Monica Joyce at joycem@seattleu.edu if interested.
- The University Advisory Committee is looking for opportunities to visit an office or condominium building project construction tour.
- The Seattle University Engineers without Borders is holding a silent auction on 2/17/07. Contact Monica Joyce at joycem@seattleu.edu if interested in attending.

## 4. Technical Committee Action Items – Eric O'Brien, Director

No board action items were identified.

## 5. Branch Action Items – Arthur Fleming, Director

No board action items were identified.

## 6. YMF Action Items – Doug Knapp, YMF Board Rep

The following board action items were identified:

- YMF requested funding from the Section to help support the 2007 Western Regional Younger Member Council being held in Bellevue. A motion was made and unanimously passed to transfer \$2000 from the Section to the Younger Members Forum to assist in

funding the 2007 WRYMC conference.

## 7. Awards, Scholarships, Fellows/Life Members – Randy Sleight, Past Section President

- Dave Sommer, a senior at Seattle University will receive the Jones Award.
- Jack Bjork will send out a questionnaire to the Section members.
- Jack Bjork will contact the Geotechnical Committee and the YMF with a questionnaire concerning member participation within the Section.

## 8. Round Table Announcements for Meeting

- Jack Bjork will ask for a show of hands for where attending members live.

**Meeting adjourned at 5:50 pm.**

## Next Meeting:

Wednesday, March 14, 2007 at the McCormick and Schmick's in Seattle.

**Minutes taken by:** Tom Schnetzer

## Cost Reduction for Dinner Meetings

In case you haven't noticed, the cost for the Section dinner meetings at McCormick and Schmick's have been **reduced** from \$30-35 to **\$20 for members and \$10 for students**. In recognizing that costs have gone up significantly since leaving the Ballard Yankee Diner, your Board decided to subsidize the dinner cost for the immediate future. They didn't want the cost of the meal to be a deterrent to attending Section meetings.

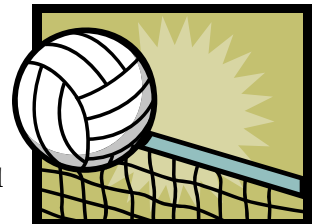
## Seattle A/E League Volleyball

May 29 thru August 25, 2007

The YMF will be fielding a co-ed outdoor (grass) volleyball team this summer on Tuesday evenings at Green Lake.

The team will be joining the Casual division of the Seattle A/E Volleyball League, so **players of all ability levels are welcome to join in the fun.**

A final tournament will be held on Sunday, August 25th. Contact Shane Binder at [shane.binder@parsons.com](mailto:shane.binder@parsons.com) for information.



## Engineer's Ring Ceremony

6:00 PM - May 9, 2007

McCormick & Schmick's Harborside Restaurant  
1200 Westlake Ave N, Seattle, WA 98109

Cost: \$15

Followed by the May ASCE Seattle Section Meeting

The Seattle Section of ASCE encourages all of our members to participate in our Ring Ceremony in the spring, as well as any engineers from other disciplines that satisfy the eligibility criteria. The Seattle Section ASCE chartered a new link (or section) of the National Order of the Engineer in September 2003. The next ceremony will be held just before the May section meeting.



You are encouraged to join the Order of the Engineer if you:

1. Have graduated from an ABET-accredited engineering program, or
2. Hold a license as a Professional Engineer, or
3. Are enrolled in an ABET-accredited engineering program and within two academic terms of graduation.

Participants will receive a steel Engineer's Ring and an Obligation certificate at the Ceremony. The registration fee to participate in the Ceremony is \$15. Guests are welcome at the Ceremony at no cost.

Please RSVP to Garth Merrill with your name, school or company, phone number, email address and ring size (for the fifth finger on your writing hand) no later than April 18, 2007 to order rings in time for the ceremony. Payment will be collected the night of the ceremony. Garth can be reached at [garth.merrill@parsons.com](mailto:garth.merrill@parsons.com) or 425-456-8568. If you need assistance determining your ring size, you may visit your local jeweler or Garth can send you a ring sizer. More information on the Order can be found at [www.order-of-the-engineer.org](http://www.order-of-the-engineer.org).

Following the ring ceremony will be the social gathering for the Seattle ASCE Section meeting from 6:00 - 6:15pm. The ASCE Section meeting will begin at 6:15, participants and their guests are welcome to stay for the social gathering free of charge (there will be a no-host bar available). We also welcome any participants and their guests to stay and join us for our section meeting. This meeting includes dinner and will cost an additional \$20 per person, or \$10 for students. Please make reservations for the dinner by calling (206) 926-0482.

## Civil Engineering Forum for Innovation (CEFI) Meeting Report

By Ken DeBord, P.E., President of the Boeing Branch

I attended the Civil Engineering Forum for Innovation (CEFI) in Washington DC on January 30 and 31, 2007, representing the Boeing Company. This executive series conference was entitled "The Challenges of Change: Applying Innovation and Knowledge to Solve the Nation's Infrastructure Challenges."

CEFI is a not-for-profit 501(c) (3) organization, established by ASCE in January 2006, focused on strengthening the profession and industry through technical innovation and public policy. CEFI is comprised of senior managers of organizations - industry, academia, and government - who possess strong personal and professional interest in the growth and development of the design and construction and industry through innovation, collaboration and advances in technology. CEFI expands on the mission of the former Civil Engineering Research Foundation's Corporate Advisory Board.

Much of the activity of CEFI has grown out of the 2005 Report Card for America's Infrastructure, which projects a required expenditure of \$1.6 trillion over the next five years just to bring our overall infrastructure from almost failing to just average. This report card may be found on the CEFI web site under Government Relations: [www.asce.org/cefi](http://www.asce.org/cefi)

Guiding principles for strengthening America's infrastructure discussed include:

- Underinvestment in infrastructure poses unacceptable risks
- Curb wasteful spending habits
- Identify new priorities for America's infrastructure
- Restructure the Federal role
- Make new, long-term investments in infrastructure
- Invest in new technologies
- Partner with the private sector

There were many top industry, academic, and government leaders at the conference, including John Sununu, former governor of New Hampshire and White House Chief of Staff, who gave the keynote address. Although John is a Mechanical Engineer, he was brilliant in his conceptual knowledge of the infrastructure problems that our nation faces, offering both facts and fallacies. At the April 2006 CEFI summit meetings, Norman Mineta, then Secretary of Transportation, gave an excellent keynote speech on the evolving federal role in infrastructure solutions.

While at the conference, I was able to meet and discuss issues with Bill Marcuson III, current ASCE president, Dennis Martenson, immediate past president, and David Mongan, president-elect. It was David that was largely responsible for my decision to participate in the February 23-25 leadership conference in Bellevue.

Future CEFI workshops are proposed for April 2007 and possibly later in the year.

## Water Resources and Environmental Committee January Brown Bag Seminar

by Perry R. Cole, P.E., S.E.

On January 18<sup>th</sup> Mr. Dennis Fields, from the Cascade Water Alliance, spoke to the Water Resources and Environmental Committee at our monthly meeting/brown bag seminar. His presentation had three major elements; a brief description of the Cascade Water Alliance, a presentation on some of the near term projects, and a look at some of the longer term projects.

The Cascade Water Alliance (Cascade) is a relatively new wholesale water purveyor serving over 300,000 residents and 22,000 businesses. This represents 50% of retail water sales in King County outside of Seattle. The three other regional wholesale water systems are the Cities of Everett, Seattle, and Tacoma. Cascade is comprised of the following member water systems: City of Bellevue, Covington Water District, City of Issaquah, City of Kirkland, City of Redmond, Sammamish Plateau Water & Sewer District, Skyway Water & Sewer District, and City of Tukwila.

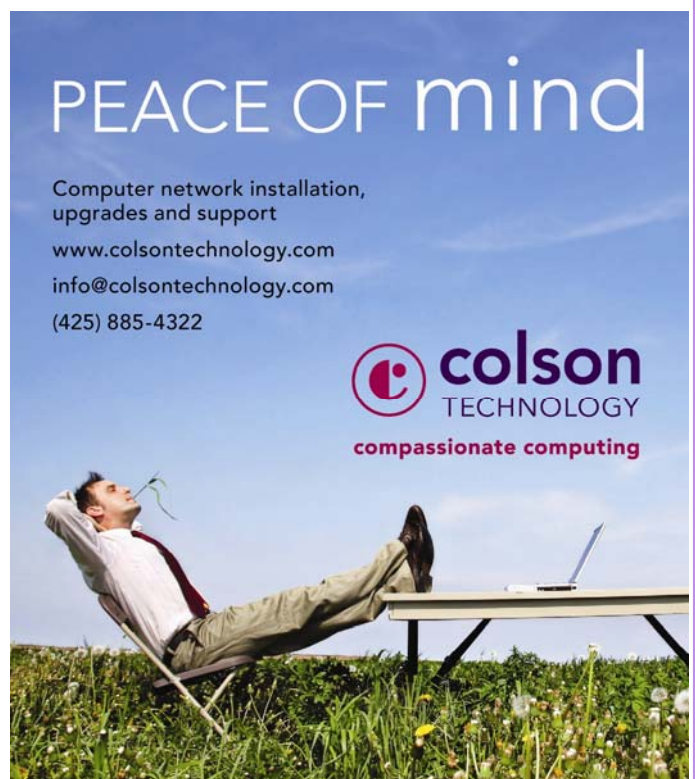
Cascade has developed a transmission and supply plan to meet the current water needs through the member resources and water purchases under the Cascade/Seattle "block" contract. The Plan to meet future needs, growth and environmental, includes: a wholesale supply contract with City of Tacoma Public Utilities (TPU), developing new transmission and storage facilities, acquiring and developing new long term supply; source exchange; and managing supplies wisely through conservation. Dennis presented a series of slides that provided an excellent understanding of the historical and predicted water demand and the supply components to meet the demand. The planning horizon was 2004 to 2050.

The near term future demand will be met with water purchase from the TPU. A new transmission pipeline will be constructed to connect the Tacoma Second Supply Line to the Cascade member water distribution systems. Dennis discussed the planning, engineering, and environmental considerations necessary to construct a major transmission corridor in a mix of rural and urban environments. Approximately 60 permits or approvals have been identified including Franchise utilities, Federal, State, County, Local, Rail, and Puget Sound Energy. Over half are local Agencies. Cascade investigated multiple system configurations – routes, materials, and construction practices. There are two major sections, the Central Section, and the Northern Section. Design and permitting for the Central Section will be completed in

2007 with construction following in 2008-2009. A portion of the Northern Section will be constructed concurrent with the SR-900 widening project (2008) with the balance following in 2009-2010.

Dennis gave us a brief look at the ongoing activities supporting the long-term water supply. Included in these were the efforts which are likely the most well known work of Cascade – acquisition of Lake Tapps, use conversion of the reservoir from hydroelectric to municipal water supply, and construction of the water treatment plant and delivery of the Lake Tapps resource.


There were 14 members in attendance at the meeting which was hosted by HDR, in Bellevue. HDR is actively involved in the planning, design and permitting of Cascades' water system. Our most recent meeting was held on Thursday, February 15<sup>th</sup>, from noon to 1:00 at the Brown & Caldwell offices in Seattle. We heard from Mr. Robert Chandler, PhD, regarding the new City of Seattle Storm water Ordinance. In April, the WRE Committee will host the Seattle Section Meeting; our speaker will be Professor Richard Palmer, PhD, P.E., M.ASCE. Professor Palmer is the recent Julian Hinds Award recipient for his contribution to the field of water resource development. He will be speaking on the topic of climate change and its affect on water resource infrastructure.



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## Dear Section and Branch Leaders:

ASCE is seeking nominations for awards honoring distinguished civil engineers. The due date for nominations has been extended to April 1, 2007 for the following awards. You are encouraged to place this award nomination information in your Section/Branch newsletter and on your Website. This is an opportunity for one of your local members to be nationally recognized.

**John I. Parcel-Leif J. Sverdrup Civil Engineering Management Award:** Conferred in recognition of effective leadership and management in the civil engineering profession. Candidates are those who have made outstanding contributions in the field of civil engineering management. Other criteria include evidence of personal and professional integrity. ASCE members only.

**Edmund Friedman Professional Recognition Award:** Conferred in recognition of attainments in advancing the science and profession of engineering. Candidates are those who have contributed substantially to the status of the engineering profession by establishing a formidable reputation for professional service, improving the conditions under which professional engineers render service to the public in the public or private sectors, improving civil engineering education, or providing guidance to young civil engineers. ASCE members of any grade, but not Honorary Members.

**Civil Government Award:** Conferred in recognition of meritorious service in an elective or appointive position. Candidates are those whose performance has helped to raise the stature of the engineering profession. The award is intended to recognize outstanding performance by engineers serving as members of Congress, mayors, governors, city managers, city council members, municipal department heads, state or county officials, or members of state legislatures. Nominees for this award must be registered professional engineers. Those holding positions that traditionally have been held by engineers or positions that are filled on the basis of civil service examinations are not eligible. ASCE members of any grade, but not Honorary Members.

**Government Civil Engineer of the Year Award:** Conferred in recognition of outstanding performance by a civil engineer in the public sector. Candidates must be ASCE members in good standing, and preferably a licensed professional engineer. They must have 15 years in public service, at least 5 of them at a senior administrative level, and presently be employed in the U.S. public sector. Other criteria include participation in civic or humanitarian endeavors and evidence of personal and professional integrity.

Parcel-Sverdrup, Edmund Friedman, and Civil Government Award nominations may be submitted to the [Honors and Awards](#) Department at ASCE Headquarters. Government Civil Engineer of the Year Award nominations may be submitted to [akarwoski@asce.org](mailto:akarwoski@asce.org) or mailed to Alicia Karwoski, Professional Activities Department, 1801 Alexander Bell Drive, Reston, VA 20191-4400. For questions, contact [Alicia Karwoski](#) at (703) 295-6324 or (800) 548-2723 extension 6324. Visit the Honors and Awards portion of our website [here](#) and scroll down to "Professional Development, Civic Achievement, Humanitarian Efforts" for further nomination information and forms.

Sincerely,

Alicia Karwoski, P.E., M.ASCE

on behalf of the Committee on Leadership and Management

## Employment Notices

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Please submit resume and letter of interest referencing "Water Resources Engineer" to [jobs@coastharboreng.com](mailto:jobs@coastharboreng.com). Inquiries will be handled confidentially.



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**Community Designer**

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The ideal candidate will be able to blend elements of architecture with landscape and civil engineering site design. Experience with master planned communities at the feasibility stage, as well as through entitlement, is desired. You are proactive, collaborative, eager to learn and have a sense of humor, with strong freehand graphic, communication and organizational skills.

Knowledge of AutoCAD and a Bachelors degree is required, and you should hold or be pursuing LEED Accreditation. We have an excellent salary, bonus and benefits program and an easy going, supportive environment to foster your professional growth.

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425 Pontius Avenue N., Suite 200  
Seattle, WA 98109

## Calendar of Upcoming Events:

### **March 3, 8:30am**

#### **History & Heritage Committee Meeting**

Location: UW More Hall, Rm 218

Contact: Cindy Hirsch, (206) 438-2150 or

[Cindy\\_Hirsch@urscorp.com](mailto:Cindy_Hirsch@urscorp.com)

### **March 3-4**

#### **YMF Ski Trip**

Location: Mount Baker Ski Area

Contact: Shane Binder, [shane.binder@parsons.com](mailto:shane.binder@parsons.com)

## TIME VALUE

March 2007 Newsletter  
Volume 42, Number 7

Attn: ASCE Newsletter Editor  
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