



Tacoma/Olympia Section Civil Engineer THE NEWSLETTER

September 2009

Washington State Department of Transportation (WSDOT): SR 520 Pontoon Construction Project



The SR 520 floating bridge over Lake Washington has endured severe winter storms, making it increasingly vulnerable to wind and waves. WSDOT is moving forward with pontoon construction to replace the aging SR 520 bridge by 2014. As the world's longest floating bridge, this vital urban highway connects Seattle with Eastside communities. Designing its replacement is an intriguing engineering challenge, particularly the floating portion and its pontoons.

The SR 520 Pontoon Construction Project includes the design and construction of a new pontoon construction facility in Grays Harbor County beginning in 2010, the design and construction of the new bridge pontoons, and storage of pontoons for the planned SR 520 floating bridge replacement or if they are needed in the event of a catastrophic failure.

WSDOT has identified the Aberdeen Log Yard site in Grays Harbor as its preferred alternative to build a new pontoon construction site. Identifying a preferred alternative allows WSDOT to pursue early environmental consultation and permit coordination with regulatory agencies. The project has also been evaluating a project site in Hoquiam. Both the Aberdeen and Hoquiam sites will be fully evaluated in the

environmental process to ensure either one can be used if further investigations uncover new information. A draft environmental impact statement evaluating both sites will be released for public and agency comment later this year.

In addition to a proposed new facility in Grays Harbor, the project will use an existing facility in Tacoma to supplement pontoon construction. Using the Concrete Technology Corporation, Inc. (CTC) facility in Tacoma and the new facility jointly will expedite pontoon construction.

The project is expected to create approximately 2,000 project-related jobs at the height of construction in 2013. (Speaker information on Page 3.)



Dinner Meeting
Tuesday, Sept. 22nd

Porter's Place
2615 E N St.
Tacoma, WA 98421

Directions:

From the South and downtown: I-5 take Exit 134 and take a left on Portland Ave.; then a left on E 27th St and Porter's is just past La Quinta Inn on the right.

From the North: Take Exit 135 and go straight through the light (but not back onto the freeway).

Go past La Quinta Inn and we are the next building on the right.

Parking is in the back of the building.

Social: 5:30pm
Dinner: 6:00pm
Program: 6:30pm

MENU:

Cost: \$15 per person
students half/price. Cash or checks payable to ASCE are accepted.

RSVP: by Friday, Sept. 18th.
Contact Kay Hoke:
khoke@cityoftacoma.org
or 253.591.5760

Please note the annual ASCE/SEAW joint dinner meeting has been moved to October, as the SEAW Southwest Chapter is hosting the 2009 Structural Engineers Association Northwest Conference and Tradeshow this month.

President's Corner with Jason Moline



Jason Moline has worked for the City of Tacoma for the past seven years. He is currently a Professional Engineer for the Supply section of Tacoma Water. He holds degrees in Civil Engineering from Stanford (MS '02) and the University of Washington (BS '01).

As my term as section president nears its end, I would like to publicly thank the many people who made the section functions possible this year:

Jack Bjork, P.E. encouraged me to participate in the legislative process through the annual Society Fly-In in Washington, D.C. (I discussed the Fly-In in more detail in the May newsletter.) Jack is the past president of the Seattle section, who I met in 2008 at the Region 8 leadership conference.

Ron Borowski, Region 8 governor, keeps our board up to date on Society issues. Ron has also been to several of our section meetings, and provided photos of these events.

Nina Cerruti, Kawika Kaulukukui, and other officers of the St. Martin's University student chapter have been involved with the section at a level I have not seen previously. Kawika coordinated a resume/interview workshop for students where three section members presented. Nina is putting together a booth at the Puyallup Fair this year for the ASCE St. Martin's University student chapter. The student chapter officers have also frequently attended board meetings and section meetings.

Don Davis arranges the venue and menu for the section's meetings. Don also takes notes at board meetings, prepares the section's reports to the Society, and has researched alternative locations for section meetings.

Gus Fant, P.E. is a diligent and dedicated steward of the section's funds. Gus keeps the section's finances on track, and always creates excellent records.

Stew Gloyd, P.E. is leading the section's history and heritage committee, which involves several section members.

Michael Hale, P.E. Michael's dedication to ASCE continues even after two previous terms as section president. He promotes ASCE and its functions to his coworkers. Michael also ran charity raffles at many section meetings, and provided the prizes. He brought ASCE banners to our meetings, and has been storing section records.

Bernie Hargrave, P.E., as section past president has been a great resource for me by answering my questions. Bernie is also the chair of the nominating committee, which selects candidates for board positions.

Kathy Hargrave, P.E. has served as section president twice, and continues to advertise ASCE to her coworkers. The section generally needs 25 people to attend each meeting for us to break even, and her efforts have often made the difference in making a meeting fiscally sound.

Chris Johnson, P.E. presented with me at a resume/interview workshop for the ASCE student chapter at St. Martin's University. Chris provided an additional perspective on public sector engineering, and helped me discuss topics more thoroughly.

Brook Maples P.E. represented the section at the 2009 Western Regional Younger Member Conference. Brook also helped us find a speaker at the last minute when we found out our previous section meeting plans would not work.

Bruce McDonald, P.E. has offered to serve as the next section president, for which I am especially grateful. Bruce is an active and vocal section director, bringing energy and enthusiasm to our board meetings.

Mustafa Mohamedali, PMP has provided speakers at the last minute for two of our section meetings, when other plans had fallen through. Mustafa seems to have a wide variety of contacts, and has been very helpful to the board, even though he did not have an official title this year.

Nancy Searle's quick turn around time helped me get the monthly newsletter to the members as soon as possible after I had gathered the necessary information. The newsletter always looks great because of Nancy's work.

Lyle Stone, P.E. volunteered to put together the section newsletter next year, as part of the section's efforts to make the job of section president more manageable. Lyle also championed the task of bringing back the Section Outstanding Civil Engineering Achievement (OCEA) awards.

Richard Swanson, P.E. keeps our section website up to date, and has been doing so for many years. Richard also takes the board member photos shown on the website.

Our Speakers whose volunteer efforts are the heart of our section meetings. Our speakers have always provided well-prepared programs, and we genuinely appreciate the time they offer to us.

Our Members whose participation determines what the section does, both at the section and the Society levels. We are happy to see you at our section meetings, and appreciate your contribution to ASCE.

I am sure there are more contributions to the section that are significant but not as visible to me. There are usually many small actions that contribute to the success of bigger actions. If I have accidentally forgotten anyone or anything here that you think I should have included, please let me know, and I will mention this in the October newsletter.

Regards,

Jason Moline

2008-2009 Tacoma/Olympia
Section President ●



Larry Kyle, P.E. – GEC Manager and Engineering Manager, SR 520 Bridge Replacement and HOV Program

Larry Kyle has over 35 years of project management and design experience with a major emphasis on design and planning of highways and bridges. Mr. Kyle is a senior vice president with HDR and has led major transportation design and planning projects in Washington, California, Arizona and Alaska. Currently Mr. Kyle is GEC Manager and Program Engineering Manager for the SR 520 Bridge Replacement and HOV Program. A sample of Mr. Kyle's project management experience includes: I-90 First Hill/Mercer Island Lid, I-405 Corridor, Pasco Kennewick Intercity Bridge, Redondo Junction RR Grade Separation Project in Los Angeles and I-10 Outer Loop Interchange in Phoenix. ●

Highlights of Our May 2009 Honors & Awards Meeting



Congratulations Life Member
Charles A. (Cap) Pearson, P.E., S.E.!



Congratulations Life Member
James Spaid, P.E.!



Jason Moline, P.E., Tacoma/Olympia
Section President (left) and
Ron Borowski, Region 8 Board of
Governors (right)

and we presented a Thank You to our
Newsletter Editor, Nancy Searle!

ASCE Continuing Ed

The following in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department and will be held within ASCE Region 8: Detailed descriptions of the seminars (by title) are available on ASCE's website at [_www.asce.org/conted/seminars](http://www.asce.org/conted/seminars)

Questions? Contact: Kelly Jarvis, Continuing Education Registrar at kjarvis@asce.org or **Michael Cook** at mcook@asce.org.

November 12-13, 2009, Las Vegas, NV
Storm Sewer System Design using SWMM (Hydraulics)

November 19-20, 2009, Scottsdale, AZ
Design and Strengthening of Shallow Foundations for Conventional and Pre-Engineered Buildings (Structural)

December 3-4, 2009, Portland, OR
Pumping Systems Design for Civil Engineers (Hydraulics)

December 10-11, 2009, Las Vegas, NV
Finite Elements in Geotechnical Engineering (Geotechnical)

December 10-11, 2009, Portland, OR
Leadership Development for the Engineer - Newly Updated! (Management)

January 4-5, 2010, Las Vegas, NV
Upgrading Treatment Plants and Pumping Stations - Newly Updated! (Hydraulics)

January 6-8, 2010, Las Vegas, NV
Pumping Systems Design for Civil Engineers (Hydraulics)

January 21-22, 2010, Las Vegas, NV
Bridge Rehabilitation (Structural)

January 28-29, 2010, Scottsdale, AZ
Design of Waste Containment Liner and Final Closure Systems (Geotechnical)

February 3-5, 2010, Phoenix, AZ
Structural Design of Buildings and Industrial Facilities for Blast Loads and Accidental Chemical Explosions (Structural)

February 4-5, 2010, Portland, OR
Low Impact Development Applications for Water Resource Management (Hydraulics/Environmental)

February 4-5, 2010, Las Vegas, NV
Ownership Transition Planning, Company Valuations and Strategic Planning - Newly Updated! (Management)

February 11-12, 2010, Seattle, WA
Slope Stability Probabilistic Analysis and Instrumentation (Geotechnical)

February 18-19, 2010, Salt Lake City, UT
Structural Condition Assessment of Existing Structures (Structural)

February 24-26, 2010, Phoenix, AZ
Techniques for Pavement Rehabilitation (Transportation)

February 25-26, 2010, Portland, OR
Bridge Rehabilitation (Structural)

March 17-19, 2010, Phoenix, AZ
Design of Foundations for Dynamic Loads (Structural)

March 18-19, 2010, Las Vegas, NV
Water Hammer in Transmission and Distribution Systems (Hydraulics)

March 25-26, 2010, Phoenix, AZ
Design and Installation of Buried Pipes (Geotechnical)

March 25-26, 2010, Las Vegas, NV
Leadership Development for the Engineer - Newly Updated! (Management) ●



Opportunities Opportunities Opportunities

op·por·tu·ni·ty

1 : a favorable juncture of circumstances

2 : a good chance for advancement or progress



INNOVATING THROUGH DIVERSITY...
...EXTENDING OPPORTUNITIES FOR
GROWTH AND LEADERSHIP.

The topic of diversity and inclusion is growing in importance and relevance as national efforts to recruit talented professionals from underrepresented groups increase. The impact of these and other global shifts taking place in this country are changing the way we think about how business is conducted with clients from different parts of the world and even how we interact with colleagues in our own offices.

Increasing workforce diversity has presented valuable opportunities to invite divergent perspectives and explore challenges, and they have been reflected within ASCE through members requesting support to plan and launch their diversity efforts. ASCE Sections and Branches are engaging members in diversity through a variety of events and activities. Members are leading discussions on the value of diversity, and they are exploring workforce diversity issues as well as emerging trends such as flexible work arrangements and generational issues.

OPPORTUNITY: ASCE is looking for 1-2 persons as a "Diversity Contact" to receive updates, invitations and other important notices on behalf of the Tacoma/Olympia Section. For more information, visit <http://blogs.asce.org/prblog/?p=133#comments>. If you are interested in being a Diversity Contact, please contact a board member.

Opportunities to Serve on the Board

The nominating committee is seeking new candidates for board positions. We understand everyone's time is limited and we would be happy to work with whatever interest you have. Serving on the board is a great way to network and expand your skills. It is also a chance to learn about local projects and meet other engineers. Please contact one of the board members if you are interested. ●

ANNOUNCEMENT

From ASCE National <http://www.asce.org/>

The 2009 national election ended on Thursday, August 13. The Tellers Committee convened this morning to verify the election results. Consistent with the Society's Bylaws, below is formal notification of the results of this year's election. Publication of the election results will also be provided on the Society's web page, ASCE SmartBrief, and in the September issue of ASCE News.

President-elect Elect (2009-2010):
Kathy J. Caldwell, P.E., M.ASCE

At-Large Director-Elect (2009-2011): **Kevin C. Womack, Ph.D., P.E., M.ASCE**

Region Directors-Elect (2009-2012):

Region 3: **Eriks V. Ludins, P.E., M.ASCE**

Region 4: **Sandra N. Knight, P.E., F.NSPE, F.ASCE**

Region 8: **Kancheepuram N. Gunalan, Ph.D., P.E., M.ASCE**

Technical Region Director-Elect (2009-2012):

Robert D. Stevens, Ph.D., P.E., F.ASCE

Region Governors-Elect (2009-2012)

Region 1: **William J. Cunningham, P.E., M.ASCE**

George Moglia, Jr., P.E., M.ASCE

Region 2: **Donald W. Vannoy, Ph.D., P.E., F.ASCE**

Region 3: **Darrell J. Berry, P.E., S.E., F.ASCE**

Region 4: **J.P. Mohsen, Ph.D., M.ASCE**

Aaron K. Robinson, P.S., P.E., M.ASCE

Region 5: **Fraser S. Howe, Jr., P.E., M.ASCE**

Region 6: **Craig M. Newton, Ph.D., P.E., M.ASCE**

Walter T. Winn, Jr., P.E., BCEE, F.ASCE

Region 7: **F. Jay Burress, P.E., M.ASCE**

Loras A. Klostermann, P.E., M.ASCE

Region 8: **Michael E. Mathieu, P.E., F.ASCE**

Raymond Walton, Ph.D., P.E., D.WRE, M.ASCE

Region 9: **Kathleen S. Haynes, P.E., M.ASCE**

Region 10: **Himansu K. Banerjee, Ph.D., MBA, P.E., M.ASCE**

Ronald Hine, M.ASCE

Congratulations to all and thank you for serving! ●

See Your AD Here!

Advertise in our newsletter!

Post your advertisement in our newsletter for the following rates:

One time, 1/8 page - \$50

One year, 1/8 page - \$200

One year, 1/4 page - \$250

One year, 1/2 page - \$400

One year, full page - \$500

Interested? Contact:

Jason Moline...253.396.3383
jmoline@cityoftacoma.org

SECTION CALENDAR and ENGINEERING RESOURCES



Section Calendar

Tacoma/Olympia ASCE Section Meetings/Activities

Meetings are **generally** held the second Tuesday of each month*. This is a tentative meeting schedule. Please call any board member if you have questions.

Tuesday, September 22, 2009 – Washington State Department of Transportation (WSDOT): SR 520 Pontoon Construction Project

Wednesday, October 21, 2009 - ASCE/SEAW joint dinner meeting in Tacoma

Tuesday, November 10, 2009 - Lunch meeting at St. Martin's University

Wednesday, December 9, 2009 - Joint dinner meeting with ASCE Seattle section in Tukwila

*DATE/TIMES/LOCATIONS TO BE ANNOUNCED/VERIFIED

Tacoma/Olympia ASCE Board 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.

Younger Member Forum Activities And Update

Younger Member Newsletter

www.asce.org/inside/cym_pubs.cfm

For more information on Upcoming Events & Activities for Younger Member programs, contact: Brook Maples at brookm@gmail.com

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

2009 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

Stephanie Strom, Program Mgr:
ssstrom@u.washington.edu

“Engineers Make the *Difference*...
They Provide the *Quality* of Life!”



Tacoma/Olympia Section Board 2008 - 2009

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

President

Jason Moline, P.E. ... 253.396.3383
jmoline@cityoftacoma.org

President-Elect vacant

contact any board member for info

Secretary

Don Davis... 253.474.9449
DonDavis@sitts-hill-engineers.com

Treasurer

Morris J. "Gus" Fant, P.E. ... 253.922.2332
fusgant@aol.com

Director

Lyle Stone, P.E. ... (...) ...-....
lstone@geoengineers.com

Director (2-year)

Bruce McDonald, P.E. ... 253.830.5337
bmcd@blarg.net

Region 8 Governor

Ron Borowski ... 206.684.8370
Ron.Borowski@Seattle.Gov

Younger Member Chair

Brook Maples, P.E. ...
brookm@gmail.com

Past-President

Bernie Hargrave, P.E.
Bernard.L.Hargrave.Jr@nws02.usace.army.mil

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



We're on the Web at

<http://sections.asce.org>

<http://www.asce.org/>