



# SEATTLE SECTION NEWSLETTER

June 2016  
Volume 51 No. 10

## Section Officers

October 1, 2015 – September 30, 2016

### SEATTLE SECTION OFFICERS

Evan Sheesley, *President* 206-859-0224  
Kelli Dean, *President-Elect* 206-779-8484  
Tony Nguyen, *Secretary* 425-450-6309  
Gene Gladden, *Treasurer* 425-281-7288  
Stefanie Herzstein, *Immediate Past President* 425-896-5219  
Lisa Harbert, *Director (2016)* 206-371-3079  
Amanda Shellenberger, *Director (2017)* 206-903-3371  
Amanda Schweickert, *Director (2018)* 206-431-2343

### YMF OFFICERS

Cal Bearman, *President* 206-764-5253  
Jared Nakamoto, *President-elect* 206-382-6341  
Inna Tasmaly, *Secretary* 206-431-2294  
Tara Burton, *Treasurer* 425-406-7118  
Courtney Davis, *Board Representative* 206-926-0451

### UW/SEATTLE U CONTACTS

Amy Riley, *University Advisory Committee Chair*  
[amy.riley@seattleu.gov](mailto:amy.riley@seattleu.gov)

### KITSAP BRANCH OFFICERS

David Dinkuhn, *President* 360-850-5319

### NORTH BRANCH OFFICERS

Gabe Ng, *President* 206-718-5252

### BOEING BRANCH OFFICER

Vinny Avendano, *President*  
[vinicio.p.avendano@boeing.com](mailto:vinicio.p.avendano@boeing.com)

### WEBMASTER

Eric Knigge  
[seattleasce@yahoo.com](mailto:seattleasce@yahoo.com)

## ASCE Seattle Section Meeting

Wednesday, June 8, 2016

**Place:** Mirabella, 116 Fairview Ave N, Seattle, WA 98109

**Cost:** Early Bird Rates end after Wednesday, June 1  
\$45 (\$40 early bird) for General Admission  
\$20 (\$15 early bird) for students and free agents

Registration closes Monday, June 6

**Meal:** Dinner will be a buffet chosen by Mirabella's Chef, to include 2 entrees, 1 vegetable, 1 starch, 1 salad, dinner rolls, and dessert. Vegetarian and gluten free entrees are available upon request.

If you have any food allergies or require special accommodations, please contact Katie Sultani-Wright at [kvswright@glosten.com](mailto:kvswright@glosten.com) or enter information during registration.

5:30 p.m.	Networking/Social
6:00 p.m.	Dinner
7:00 p.m.	Program

[Click here to register.](#)

For assistance with online registration, please contact Don Nguyen at [dnnng@cowi.com](mailto:dnnng@cowi.com) or Katie Sultani-Wright at [kvswright@glosten.com](mailto:kvswright@glosten.com)

Direct questions or comments regarding meetings to Section President Evan Sheesley at [seattleascepresident@gmail.com](mailto:seattleascepresident@gmail.com)

## Local Outstanding Civil Engineering Achievement (LOCEA) Presentations and Awards

The Seattle Section of the American Society of Civil Engineers (ASCE) has chosen University of Washington (UW) Montlake Triangle and Rainier Vista Project for top honors in their 16th Annual Local Outstanding Civil Engineering Achievement (LOCEA) Awards.

The LOCEA Awards recognize projects that have improved the quality of life and contributed to the economic development of the local community, area, or region. These projects represent the successful combination of multiple engineering objectives, including design innovation and excellence, environmental sustainability, cost effectiveness, the effective use of materials, and aesthetics.

See [June Meeting](#) on page 3

The next newsletter deadline is:  
5:00 p.m.  
Saturday, August 20, 2016

~~~~~

Newsletter Editor:  
**Todd Crandell**  
[seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com)  
Phone: (206) 459-2250

#### CHANGE OF ADDRESS:

All changes to your address (including your newsletter e-mail address) should be provided to ASCE at [www.asce.org](http://www.asce.org) or: 1801 Alexander Bell Drive, Reston, VA 20191-4400. The Seattle Section will receive your updated information from ASCE.

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

Volume 51 No. 10, June 2016  
Published 10 times a year

#### ASCE SEATTLE SECTION NEWSLETTER ADVERTISING RATES

##### Employment Ads:

\$75 for one month on web site and in the newsletter; \$50 per month for subsequent months

##### Display Ads:

Costs are for one year (10 issues):  
Business Card size \$100  
Quarter page \$250  
Half Page \$500  
Full Page \$1,000

To place an ad or for more information, contact the editor at [seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com).

## President's Column

By Evan Sheesley, PE, ENV SP, M. ASCE, Seattle Section President

### *Volunteering: A Priceless Gift*

When Past-President Alan Murray addressed the attendees of last month's membership meeting as he received his life-member achievement award, he called for ASCE Seattle members to get involved in the community and volunteer whenever we can. Whether it is coaching a little league team or organizing a disaster preparedness network, the time you put in is priceless.



Our ASCE Section prospers from a dedicated core of volunteers that make up our board of directors, committee chairs, YMF leaders, and event organizers. Even as we enter the summer months, when ASCE "takes a break" for July and August, they continue to plan for the next year's events and find ways to be more effective as civil engineers in the community. I am inspired by them because no matter how busy they are, they always seem find a way to donate a little bit of their own time to the community through ASCE.

During the summer break, I encourage you to take the time you would have spent attending an ASCE membership meeting and find a way to volunteer for your community. If you want to keep your volunteer efforts focused on ASCE and the Seattle Section, contact a committee chairperson and ask how you can participate; become a key contact and reach out to our government on important infrastructure issues; reach out to leaders in ASCE who are establishing the strategic initiatives and broad goals of the civil engineering profession; or join a technical institute to further develop of the state of the art in your field of practice.

No matter where your volunteer time is spent this summer, it will be used to enrich someone else's life and that is time well spent. I look forward to hearing about you productive summers in September!

## Announcing 2016-2017 Election Results

By Evan Sheesley, PE, ENV SP, M. ASCE – Seattle Section President

The Seattle Section Board would like to thank Stef Herzstein, PE, Past-President; Gene Gladden, NIBS, Treasurer; Lisa Harbert, PE, Director of Technical Committees; and Courtney Davis, YMF Board Representative, for their service to the membership of our Section.

Starting October 2016 we will have four newly elected Board members. Congratulations to the new Board members!

President-Elect: **Diana Hasegan, PE**

Treasurer: **Shailee Sztern, PE**

Director of Technical Committees: **Javier Homero Flores Cervantes, PE**

YMF Board Representative: **Cal Bearman, PE**

We look forward to their new ideas, energy, and enthusiasm.

---

**June Meeting** (continued from page 1)

The Seattle Section of ASCE is also recognizing three projects with Honor Awards as part of this year's LOCEA Award competition, including: Windermere Combined Sewer Overflow Reduction (Seattle, WA), Honor Award: Water Resources Category; the Ivar's Pier 54 Seismic Upgrades & Renovation (Seattle, WA), Honor Award: Structures Category; and the Tiger Mountain Lower High Point Bridge (Issaquah, WA), Honor Award: Small Project Category.

Please join us for our last meeting until September to celebrate these achievements.

---

## WRE Committee Brown Bag Meetings for June and July

The Seattle Section Water Resources (WRE) committee has scheduled the following two brown bag meetings for June and July.

---

### June Meeting

**Date:** June 16, 2016

**Time:** 12:00 pm–1:00 pm

**Location:** Brown & Caldwell Seattle Office, One Convention Place, 701 Pike Street, Suite 1200, (206) 624-0100

**Logistics:** No registration is necessary. Lunch is not provided so bring your own. Contact Homero Flores at [homero.flores@kingcounty.gov](mailto:homero.flores@kingcounty.gov) with questions.

**Title:** Potential Effects of Forest Practices on Stream Flow in the Pacific Northwest

**Speaker:** Gwyn Perry, University of Washington

---

**Summary:** There is long-standing interest in understanding the effects of forest practices on both peak flows, which can result in damaging floods and channel instability, and low flows, which can be critical for aquatic habitat. This talk synthesizes many decades of literature focused on forest hydrology in the Pacific Northwest. Research in this area aims to answer questions such as "How and why do forest practices effect low and high flows?" and "Can forest harvesting

increase flooding?" Since many studies are paired-catchment experiments, focusing on small basins (<10 km<sup>2</sup>), we are also interested in answering "How do results from small basin studies translate to large watersheds?"

**Gwyn Perry** is from St. Paul, MN, and earned her undergraduate degree in Civil Engineering from U of MN. After moving to Seattle for her graduate degree at UW, she became interested in water resource management issues in the Western US. Understanding that our summer streamflow and water supply comes from the mountain snowpack inspired her to join the Mountain Hydrology Group at UW, where she has worked on projects ranging from analyzing forest-snow interactions to using an innovative bayesian inference method to develop rating curves for streams in Yosemite National Park. Recently graduated with her Masters in Civil Engineering, Gwyn is currently working with her advisor, Jessica Lundquist, on a literature review of Forest Hydrology in the PNW.

---

### July Meeting

**Date:** July 21, 2016

**Time:** 12:00 pm–1:00 pm

**Location:** HDR's Bellevue Office, 500 108th Ave NE, Suite 1200

See [WRE Meeting](#) on page 4

**Reach over 2,000  
Engineering Professionals**

**Post Your Employment Ad in this Newsletter  
and on the Seattle Section Web Site**

**See advertising details  
on page 2**

---

**WRE Meetings** (continued from page 3)

**Logistics:** No registration is necessary. Parking is available in HDR's building. Lunch is not provided so bring your own. Contact Scott Kindred at [scottk@kindredhydro.com](mailto:scottk@kindredhydro.com) with questions.

**Title:** Analysis of Bioretention Soil Media for Improved Nitrogen, Phosphorus, and Copper Retention

**Speaker:** Curtis Hinman, Herrera Environmental Consultants

---

**Summary:** This presentation will describe a Washington State Department of Ecology (Ecology) funded study focused on optimizing bioretention soil media (BSM) for improve retention of N, P, and Cu. We will discuss three analyses and results for a variety of bioretention media components and blends:

- Leaching analysis: Synthetic Precipitation Leaching Protocol was performed on individual media components to determine P, N, and Cu export potential. These data and other performance measures including water holding capacity, cost, availability and sustainability were also considered to select individual media components for media blends.
- Flushing media blends: The best performing individual components were used to develop media blends and those blends placed in 20 cm laboratory columns with under-drains. The media columns were flushed with deionized water and the effluent assessed for total dissolved solids, dissolved organic carbon, hardness, total and dissolved metals, nitrogen, phosphorus, and other parameters.

- Dosing media blends: Stormwater with targeted concentrations of contaminants was applied at specified rates and loads to determine the pollutant capture capability of the media blends. The above suite of parameters were also analyzed for the dosing phase.

**Curtis Hinman** is Senior Scientist with Herrera Environmental Consultants in Seattle, Washington. Mr. Hinman manages and provides technical guidance on a diverse portfolio of projects ranging from bioretention media research, low impact development (LID) design and statewide LID training programs. Before joining Herrera, Curtis was faculty with Washington State University (WSU) Extension and the Department of Biological Systems Engineering, and was the University's Green Stormwater Infrastructure Specialist. With WSU he co-designed and was lead scientist for the WSU Low Impact Development (LID) Research Program which is one of the largest LID research facilities in the U.S. Mr. Hinman is the author of the "Low Impact Development Technical Guidance Manual for Puget Sound" and the "Rain Garden Handbook for Western Washington." Mr. Hinman also serves on national and regional advisory committees that develop stormwater management policy and technical guidelines and identify funding and research needs. Mr. Hinman earned a B.S. degree in Environmental Policy Analysis and Planning (specializing lake ecology and water resource management) from University of California Davis. He holds a Masters of Science degree with a concentration in stream ecology and watershed management from the Yale University.

---

## Escape from Gilligan's Island – Volunteers Needed

By Amanda Schweickert, P.E., M.ASCE, Director of Standing Committees

The Kent-Evergreen Girl Scout Day Camp in the Maple Valley/Renton area will be challenging their campers this year to create life raft prototypes to "escape from Gilligan's Island."

They are looking for volunteers to come in and teach the campers the basic scientific and engineering principles behind design, buoyancy, surface tension, etc., as well as guide them through their building process.

Volunteers would be needed from about 9:45 a.m. to 3:45 p.m. on August 2, 3, and 4. They would be teaching 6 different groups a day in about 30-minute sessions (very little teaching, much more doing).

If you have questions or are interested in being a part of the fun and exciting STEM activities during camp, please contact Sonja Griffing at [griffingds@yahoo.com](mailto:griffingds@yahoo.com).

# ASCE Seattle Section Recognizes Local Outstanding Civil Engineering Projects

## *UW Montlake Triangle and Rainer Vista Project is Top Honoree*

By Stefanie Herzstein, M.ASCE, Immediate Past President

The Seattle Section of the American Society of Civil Engineers (ASCE) has chosen University of Washington (UW) Montlake Triangle and Rainer Vista Project for top honors in their 16th Annual Local Outstanding Civil Engineering Achievement (LOCEA) Awards.

The LOCEA Awards recognize projects that have improved the quality of life and contributed to the economic development of the local community, area, or region. These projects represent the successful combination of multiple engineering objectives, including design innovation and excellence, environmental sustainability, cost effectiveness, the effective use of materials, and aesthetics.

The Seattle Section ASCE is also recognizing three projects with Honor Awards as part of this year's LOCEA Award competition, including: Windermere Combined Sewer Overflow Reduction (Seattle, WA), Honor Award: Water Resources Category; the Ivar's Pier 54 Seismic Upgrades & Renovation (Seattle, WA), Honor Award: Structures Category; and the Tiger Mountain Lower High Point Bridge (Issaquah, WA), Honor Award: Small Project Category.

ASCE Seattle will formally present the outstanding achievement and honor awards at its June 8, 2016 meeting at Mirabella in Seattle.

### **University of Washington Montlake Triangle and Rainer Vista Project**

The ASCE Seattle Section has chosen UW Montlake Triangle and Rainer Vista Project in Seattle, WA for recognition as a 2016 Local Outstanding Civil Engineering Achievement in the Transportation and Development Category. The award-winning project team includes KPPF Consulting Engineers, Gustafson Guthrie Nichol Landscape Architects, Sellen/Merlino JV, and Shannon & Wilson. UW is the project owner.



University of Washington Montlake Triangle and Rainer Vista Project. *Photo courtesy of Gustafson Guthrie Nichol.*

The UW Montlake Triangle and Rainier Vista Project simultaneously created a seamless grade-separated multimodal transportation hub while transforming the main gateway to the University of Washington, completing the historic Olmstead Brothers' campus vision. The project serves as a hub for the University Link Light Rail Station, the Burke-Gilman Trail, Metro Bus Transit, UW Medical Center and Husky Stadium. The project is a seamless collaboration of urban design and engineering satisfying the needs of multiple stakeholders, and is the future of integrating all modes of urban travel.

The project team overcame significant challenges, including:

- Restoring the historic view corridor to Mt. Rainier required 19,000 cubic yards of fill to be added above a 30-year-old parking garage, with fill depths ranging from 18 inches to 10 feet. This may be the largest earthwork project over an existing building structure ever attempted.
- Achieving the signature hourglass shape of the landbridge required an innovative 3D post-tensioning (PT) system.

See **2016 LOCEA Awards** on page 6

**2016 LOCEA Awards** (continued from page 5)

- Lowering a city street by 19 feet for the landbridge resulted in exposing one side of an existing underground parking garage requiring seismic retrofits within the garage, which could not be shut down as it is a critical facility for the UW Medical Center.
- Resolving complex geometric constraints to achieve safe, accessible and efficient pathways that include the regional Burke-Gilman Trail that currently carries over 1,200 bikes and pedestrians per hour (peak PM) and is expected to grow to over 2,100 people per hour by 2030.

**Honor Awards**

The ASCE Seattle Section recognized three additional projects as Honor Award recipients as part of the 2016 Local Outstanding Civil Engineering Achievement Awards competition.

Honor Award, Water Resources Category

*Windermere Combined Sewer Overflow Reduction (Seattle, WA)*

Project Owner: Seattle Public Utilities

Project Team: HDR, CH2M, CDM Smith, HBB Landscape Architects

In order to meet Department of Ecology regulatory requirements of no more than one untreated combined sewer overflow (CSO) per year per outfall in the Windermere Basin, Seattle Public Utilities constructed a new 2.05 million gallon CSO storage facility and two system retrofits. The storage tank, in a parcel adjacent to Magnuson Park, was designed to minimize impacts to the park and future development. The project also included approximately 2,250 linear feet of conveyance piping, associated controls, and mechanical and odor control equipment. The system retrofits consisted of a new modulating combined sewer control gate, improvements to existing weirs, addition of instrumentation for level and flow measurement, and



Windermere Combined Sewer Overflow Reduction

real time monitoring and controls.

Honor Award, Structures Category

*Ivar's Pier 54 Seismic Upgrades & Renovation (Seattle, WA)*

Project Owner: Ivar's

Project Team: Reid Middleton, Inc., Hikari Consulting, Mithun, CB Anderson Architects, RS Consulting, GeoEngineers, W.G. Clark Construction Co. & Pacific Pile & Marine



Photo 7: Pier 54 looking north. Note the retrofitted west and south aprons, the caisson lining area, and the revised window openings.

Ivar's Pier 54 Seismic Upgrades & Renovation

Reid Middleton provided structural engineering for the renovation of Ivar's Pier 54 in Seattle. Project includes the complete replacement of the existing timber aprons on the north and west sides of the building and partial replacement of the south apron with new steel piling, precast concrete caps, and deck panels. The aprons were designed to seismically strengthen the remaining portion of the timber pier supporting the building. A seismic renovation was also completed on the historic restaurant building on the pier. The nearly 100-year-old heavy timber structure required structural upgrades to strengthen the building. Upgrades included installing steel moment frames and upgrades to existing heavy timber trusses to support additional loads.

Honor Award, Small Project Category

*Tiger Mountain Lower High Point Bridge (Issaquah, WA)*

Project Owner: Washington State Department of Natural Resources

Project Team: RHC Engineering and Shannon & Wilson

The 200-foot-long self-weathering steel truss pedestrian bridge is 30 feet above the Lower High Point Creek. The bridge replaced an existing shorter and lower wood bridge damaged by flooding in 2009. The width of the

See **2016 LOCEA Awards** on page 7

**2016 LOCEA Awards** (continued from page 6)

bridge is only 4'6", and the height of intermediate piers is 30 feet. The superstructure is a 4'10" pony truss, with top chord of the truss also working as the top of the railing to save the cost in installing separate railings. The bridge deck is 4" thick treated timber deck. The two intermediate columns are made of curved 12-inch square steel tubes. The spread footings, column pedestals, and abutments are cast-in-place concrete. The foundations were laid outside of potential geological hazard areas. Constructability is an integral part of the design process to fit in the lift limit of a typical small helicopter.



Tiger Mountain Lower High Point Bridge

## Employment Notices

To post an employment notice in the newsletter and on the Section's web site, please contact the [newsletter editor](#) in advance of the monthly deadline (the 20th of the month). Rates for advertising are shown on page 2.



### Senior Engineer

**Position:**

Senior Engineer. This position will report to the Director of Engineering and assist with the responsibilities listed below. This full-time, exempt position is located at 1850 Park Lane, Burlington, Washington.

**Company:**

Pacific Woodtech Corporation manufactures laminated veneer lumber and I-joint products that are used mostly as structural building components both domestically and abroad. Pacific Woodtech began production in 1999. The company employs over 200 people in the plant and about 15 in the office. Benefits include medical/dental/life/disability insurance and a 401(k) plan. Salary commensurate with experience. PWC is an Equal Opportunity Employer. [www.pacificwoodtech.com](http://www.pacificwoodtech.com)

**Requirements:**

- Registered, professional Civil or Structural Engineer
- Strong written and oral communication

skills

- Occasional travel
- Competency with MS Word/Outlook/Access. Strong Excel skills. Competency with VBA and SQL is a plus.
- Wood design experience is a plus

**Engineering Responsibilities:**

- Product Application
  - Create technical content for website and guides used by structural designers
  - Consult with structural design software providers on product properties and structural analysis
  - Consult with customers on project design and damaged product repair
  - Participate in engineered wood industry association activities (e.g. APA, WIJMA)
- Standards and Building Code Compliance
  - Contribute to development of ASTM, ANSI, and other related standards
  - Liaison with third-party inspection and certification agencies, and product evaluation services
- Product and Process Development
  - Design test programs, analyze and report results
  - Participate in decision-making with

Operations and Sales & Marketing

- Quality Control
  - Specify manufacturing quality control policies and procedures
  - Assure continued compliance with evolving product standards
  - Provide oversight and technical assistance to the Quality Control laboratory

**Qualifications:**

- Customer Focus: Quickly and effectively solve customer problems. Maintain productive internal and external customer relationships. Readily adjust priorities to respond to changing customer needs. Anticipate potentially adverse customer reactions and develop better alternatives.
- Self-Management: Set priorities, goals and timelines to achieve maximum productivity. Manage multiple projects and competing priorities. Display a high level of initiative, effort, and commitment towards completing assignments in a timely manner.
- Speaking and Communication: Tailor speaking style for the audience. Communicate effectively with co-workers. Listen with full attention to what others are saying. Understand the needs being

(Continued on page 8)

(Continued from page 7)

expressed. Ask questions as appropriate without interrupting. Effectively present information to managers, customers, and other audiences.

- **Teamwork:** Maintain a collaborative approach when dealing with co-workers. Demonstrate a genuine commitment to reaching mutually beneficial solutions.
- **Accountability and Dependability:** Arrive at work on time. Follow instructions, policies, and procedures. Fulfill commitments made to customers, peers, co-workers, and managers. Hold self and others accountable for measureable, high-quality, timely, and cost-effective results.
- **Reading and Writing:** Read, analyze, and interpret scientific and technical journals, financial reports, and legal documents. Respond effectively to inquiries or complaints from customers, regulatory agencies, or members of the business community. Write speeches and articles for publication that conform to prescribed style and format.
- **Reasoning:** Define problems, collect data, establish facts, and draw valid conclusions. Interpret technical instructions in written, mathematical, or diagram form. Deal with items of either an abstract or concrete nature.
- **Attention to Detail:** Monitor and review work for accuracy and completeness. Complete work according to procedures and standards. Maintain an organized workspace and organized files. Understand verbal instructions.

**To Apply:**

Send resume to

[Employment@pacificwoodtech.com](mailto:Employment@pacificwoodtech.com).



**Civil Engineering Technician**

**Overview:**

SAFEbuilt is currently looking for Civil Engineering Technician with excellent customer service skills to work in one of our municipal offices. This position serves as key

office personnel who interact on a daily basis with the public, city employees, inspectors, engineers, and contractors. Customer service, organization, detail oriented and professionalism is a must. You'll be a member of our highly respected building department team with a full complement of resources to support you and exciting projects to keep you challenged.

**Apply at:** <http://goo.gl/go5rg9>

**With Growth Comes Opportunity!** One of the fastest growing providers of privatized community development solutions in the country, SAFEbuilt has seen a 40% increase in municipal contracts and employee growth over the past two years running. 2016 is already shaping up to see similar growth and opportunity. SAFEbuilt partners with over 300 communities of all shapes and sizes throughout the country for the efficient delivery of privatized community development solutions including: building department services, community and transportation planning & zoning and community improvement services.

Learn more at: <http://safebuilt.com/>

**Responsibilities:**

Candidate must have prior experience performing and enforcing:

- Private development review and processing of permit applications as they pertain to grading and the Village Code, along with general construction inspection and permit close out
- Public utility permit review and processing for work within the public Right-of-Way
- Right-of-Way inspections including but not limited to roadways, sidewalks, curb cuts, underground structures and utilities as well as Erosion control and storm water management "Best Management Practices".
- Working with and reading surveys for private development plan review and enforcing approval of grading elevations as per approved permit drawings.
- Working with public works employees and private utility companies, with the ability to successfully coordinate construction of private development projects as they impact grading, sewer, water, utility vaults as well as other

public utility packages.

- Demonstrate proficiency with plan review processing and coordinating work as to prevent inadvertent damage during projects.
- Act as a professional representative of the Municipality and SAFEbuilt on job sites to confirm work conforms to approved permit plans and ensure proper methods and materials are being used.
- Coordinate with building elements to ensure proper interface between Right-of-Way and building structure are being applied.
- Working with multiple municipal department, managing
- Responsible for managing and tracking complete process including:
  - review of submission package per village/city codes and/or engineering standards
  - working with contractors and engineers to presenting preliminary findings
  - monitoring idle or delayed submissions and communicating with customers
  - facilitating retention of all related documents
  - inspecting and enforcing approved improvements
- Generation and submission of performance and/or production reports as required by client.

**Knowledge and Experience:**

- Candidate shall have working knowledge of applicable municipal codes, regulatory rules, permitting regulations and procedures of IDOT, CCDTH, MWRD, IEPA and JULIE.
- 2 year associates in civil engineering or related field
- 3 year municipal experience

Compensation: Competitive pay and strong benefit offerings

**Inquires:** [jobs@safebuilt.com](mailto:jobs@safebuilt.com)

**Apply at:** <http://goo.gl/go5rg9>

(Continued on page 9)



### Building Plans Examiner

SAFEbuilt is currently seeking talented, energetic Building Plans Examiners to support their Greater Seattle Area Office. This position offers great opportunity for dynamic, motivated self-starters to work on a variety of assignments. You'll be a member of our highly respected building department team with a full complement of resources to support you and exciting projects to keep you challenged.

Apply at: <http://goo.gl/Q6n9Ao>

**With Growth Comes Opportunity!** One of the fastest growing providers of privatized community development solutions in the country, SAFEbuilt has seen a 40% increase in municipal contracts and employee growth over the past two years running. 2016 is already shaping up to see similar growth and opportunity. SAFEbuilt partners with over 300 communities of all shapes and sizes throughout the country for the efficient delivery of privatized community development solutions including: building department services, community and transportation planning & zoning and community improvement services.

Learn more at: <http://safebuilt.com/>

**Great Company Culture and Benefit Offerings:** Our culture is positive and energetic as we empower people to do what they do best. Benefits include health, dental, vision, life, and disability insurances, paid holidays, paid time off, paid training, new certification bonuses, a matching 401K Plan, and more. We'd love to talk with you about joining the other highly qualified and motivated individuals who share the common Core Values of Integrity, Respect, Service, Teamwork and Improvement.

#### Responsibilities:

- Reviews all plans and specifications for commercial, industrial, and residential projects to ensure compliance with city, state, and federal laws and regulations.
- Initiates preconstruction conferences with contractors and/or developers and

associated staff members.

- Provides technical direction and assistance to inspection personnel relating to field problems.
- Assess and resolve complaints received from clients, applicants, public, designers, and contractors.
- Regularly interacts directly with municipal clients and their staff.
- May be required to perform inspections on as needed basis, providing interpretation of codes in the field.
- Attends meetings, educational seminars, and functions relating to building codes.

#### Skills:

- Extensive knowledge of local building codes and current construction procedures/technology.
- Must possess the ability to positively interact with other staff members, the general public, contractors, governmental agencies, and other clientele.
- Excellent verbal and written communication.
- Good time management, organization, and attention to detail.
- Demonstrated ability to exercise initiative and a considerable amount of independent judgment.
- Ability to prepare written plan review correspondence and update information into company software programs.
- Candidate must be able to handle multiple projects in a fast paced atmosphere.
- Candidate must stay familiar and up to date with different editions of the International Building Codes.
- Strong computer skills including Microsoft Office.

#### Special License / Registration / Certification:

- ICC Building Plans Examiner certification preferred.
- ICC Plans Examiner Certifications in multiple trades preferred.
- Civil Engineering or Architectural Degree Preferred

#### Experience:

- 5+ years combined experience in building department field inspection and plans examiner duties.

- High school diploma or equivalent.
  - Acceptable driving record.
- Salary Range:** Competitive compensation package and benefits offered.

Apply At: <http://goo.gl/Q6n9Ao>

Inquiries: [jobs@safebuilt.com](mailto:jobs@safebuilt.com)



### Public Works Director

City of Mountlake Terrace, Washington

Salary: \$107,711 - \$126,720

For a complete position profile, please visit the Prothman Company at <http://www.prothman.com/> and click on "Current Searches."

Located 14 miles north of downtown Seattle along the I-5 corridor, Mountlake Terrace, Washington, pop. 21,000, is known for its convenient location, transportation connections, parks, trails, and first-class schools. The city boasts 355 acres of recreational attractions, including parks, play fields, year-round swimming, a sports pavilion, and public open space, along with a beach and dock at Lake Ballinger which allows fishing, boating, and waterfront recreation. A revitalized Town Center with new mixed-use and wide sidewalks creates a traditional downtown feel, which includes shops, restaurants, offices, clinics, a library, and a variety of housing options.

The Public Works Department is comprised of six divisions: Engineering Services, Equipment Rental, Sewer, Storm, Street and Water. The department's budget for 2016 is over \$16 million. Working under the direction of the City Manager, the Public Works Director is responsible for the planning and organization of the engineering, operations, and maintenance functions of the department. The Public Works Director is also responsible for directly supervising an Operations Manager, City Engineer, Contracts & Capital Projects Manager, and Administrative Assistant.

A bachelor's degree from an accredited college or university in Civil Engineering,

(Continued on page 10)

(Continued from page 9)

Public Administration or related field and eight years of increasingly responsible experience in public works, managing or supervising operations, programs and services in one or more public works specialty areas, that includes four years of staff supervisory, budgetary, and management responsibility; preferably in a municipal or public sector environment. Candidates must be registered as a professional engineer (PE) with the State of Washington or be able to obtain same within six (6) months of hire. Any combination of education and experience may be substituted as long as it provides the desired skills, knowledge, and abilities to perform the essential functions of the job.

The City of Mountlake Terrace is an equal opportunity employer. First review: June 26, 2016 (open until filled). To apply online, visit Prothman at <http://www.prothman.com/> and click on "Submit Your Application" and follow the directions provided. Application materials will only be accepted electronically via the website. For questions, please call 206-368-0050.



### Civil Project Engineer, Seattle Office

AHBL is an award-winning multidisciplinary consulting firm offering career growth for talented industry professionals. We are looking for a Civil Project Engineer to join our Seattle office. The ideal candidate will have four to eight years of civil site design experience for public and private projects in Western Washington.

The ideal civil candidates will have a BSCE, PE, or EIT and design experience for sustainability, grading, drainage, sanitary sewer, water distribution and roads. Familiarity with local development codes and requirements along with AutoCAD, and Civil

3D experience.

Candidates must meet the following criteria to be eligible for an interview:

- 4-8 years of design experience in Western Washington
- EIT is required with a Washington State PE license advantageous
- Experience with public and private land development projects
- Experience with AutoCAD and Civil 3D 2015/2016

Candidates should submit the following items:

- Cover letter,
- Resume, and
- If applicable a brief project list/narrative highlighting the unique challenges associated with each local project.

Candidates should apply online by going to our website [www.ahbl.com](http://www.ahbl.com) and clicking on the Careers Page.

Also, visit our career page to learn about other opportunities at AHBL.

We offer an excellent benefit package including insurance, 401(k) plan, and paid vacation/sick leave. Salary range is \$60,000-\$75,000 DOE

*AHBL is an Equal Opportunity Employer. We embrace diversity at all levels of our organization and we provide equal opportunity without regard to race, color, religion, sex, sexual orientation, age, national origin, genetic information, disability, or veteran status.*



### Civil Project Engineer, Tacoma Office

AHBL is an award-winning multidisciplinary consulting firm offering career growth for talented industry professionals. We are looking for a Civil Project Engineer

to join our Tacoma office. The ideal candidate will have four to eight years of civil site design experience for public and private projects in Western Washington.

The ideal civil candidates will have a BSCE, PE, or EIT and design experience for sustainability, grading, drainage, sanitary sewer, water distribution and roads. Familiarity with local development codes and requirements along with AutoCAD, and Civil 3D experience.

Candidates must meet the following criteria to be eligible for an interview:

- 4-8 years of design experience in Western Washington
- EIT is required with a Washington State PE license preferred
- Experience with public and private land development projects
- Experience with AutoCAD and Civil 3D

Candidates should submit the following items:

- Cover letter,
- Resume, and
- If applicable a brief project list/narrative highlighting the unique challenges associated with each local project.

Candidates should apply online by going to our website [www.ahbl.com](http://www.ahbl.com) and clicking on the Careers Page.

Also, visit our career page to learn about other opportunities at AHBL.

We offer an excellent benefit package including insurance, 401(k) plan, and paid vacation/sick leave. Salary range is \$60,000-\$75,000 DOE

*AHBL is an Equal Opportunity Employer. We embrace diversity at all levels of our organization and we provide equal opportunity without regard to race, color, religion, sex, sexual orientation, age, national origin, genetic information, disability, or veteran status.*

## Featured Projects

Each month in 2015-16, the ASCE Seattle Section newsletter features projects that received the Section's Local Outstanding Civil Engineering Achievement Award in 2015. The final two projects receiving 2015 awards are listed below.

### 2015 ASCE Seattle Section Local Outstanding Civil Engineering Achievement for Ports and Waterways: Seahurst Park Phase II Ecosystem Restoration Project

A shoreline park that was once degraded and at odds with the environment has been restored and rejuvenated to benefit both people and salmon. The 183-acre Seahurst Park, in Burien, Washington, includes more than 4,000 feet of Puget Sound shoreline and is the largest park on Puget Sound between Discovery Park and Dash Point State Park. Puget Sound is the second largest estuary in the United States, and has seen dramatic degradation of its nearshore habitat in the last century, leading to the Endangered Species Act (ESA) listing of multiple species, including Puget Sound Chinook salmon. Key contributors to this degradation have been the placement of concrete or rock-armored walls and bulkheads, and discharge of untreated stormwater.

The Seahurst Park Phase II Ecosystem Restoration project is the culmination of more than 15 years of planning, analysis, public outreach, design, and construction led by the City of Burien and its project partners to remove bulkheads and armoring and restore the shoreline in the park. It's the largest bulkhead removal and shoreline restoration project completed on Puget Sound to date.

#### Project Background

In the 1970s, the shoreline at Seahurst Park was armored with seawalls, gabions, and riprap to protect upland park facilities. The armoring became a safety hazard, interrupted natural beach nourishment processes, and degraded marine nearshore and freshwater habitat. In 1996, ownership of the park was transferred from King County to the newly incorporated City. In 2000, Puget Sound Chinook salmon were listed under ESA, which helped generate public funding for the restoration of Puget Sound nearshore habitat. The City secured funding and selected Anchor QEA to develop a Master



*Left: Pre-project park shoreline with rock armoring and concrete bulkhead wall. The armoring and bulkhead were a safety hazard and degraded nearshore aquatic habitat.*



*Right: Restored beach and shoreline with park facilities. The new shoreline features habitat-friendly beach materials, large woody debris, and improved public access.*

Plan for Seahurst Park in 2001.

The City partnered with the U.S. Army Corps of Engineers (USACE) to help fund and implement the plan with Anchor QEA as the lead design consultant. Phase I began with rock revetment and gabion bulkhead removal, design and construction of beach and riparian habitat restoration, and park rehabilitation along 1,400 feet of the south shoreline of the park. Work occurred in three stages due to grant funding, from 2004 through 2008. In 2011, the Environmental Science Center Foundation funded and built a new public meeting space and educational facility, the Environmental Science Center, designed by Bassetti Architects.

Design of Phase II, restoration of the north shoreline area, began in 2007 and continued the partnership between the City and USACE, with Anchor QEA continuing as the lead design consultant. Construction of the Phase II project began in 2013 and was completed in 2014. The larger, more complex Phase II project included removal of existing concrete bulkhead, restoration of 2,800 feet of beach and riparian habitat, creek daylighting, culvert installation, wetland restoration, replacement of a fish ladder used for educational fish rearing, replacement of the parking area with pervious paving and bioretention facilities, replacement of picnic and play area facilities, and

*(Continued on page 12)*

(Continued from page 11)

extensive utility relocations. Water mains, a sewer main, and on-site power and communication services were relocated to make room for the restoration, modernize the utilities, and provide resiliency to sea level rise. Sewer main relocation was designed and performed by the Southwest Suburban Sewer District in coordination with the City and Anchor QEA.

The Master Plan's comprehensive, balanced approach called for protection of the park's natural areas, restoration of degraded marine nearshore and freshwater habitat, and improved public shoreline access for recreation and education. The City's vision was a restored shoreline that addressed nearshore habitat degradation and public safety issues, while improving aging facilities and infrastructure that support and provide public shoreline access and opportunities for recreation and education.

### Key Project Challenges

The City, its project partners, the design team, and construction contractors overcame a variety of challenges during the planning, design, and construction of the project. The key challenge was balancing resource protection and habitat restoration goals with recreational and educational needs. The \$11 million project was funded from variety of sources, which required that the project be implemented in phases over several years. The Phase II project was designed to accommodate several optional bid items and transition features to allow for flexibility in matching the contracted work to available funding. Other challenges included the phasing of construction to meet regulatory windows for work along the shoreline, the need to provide continuous access through the site for educational and fish-rearing programs, and coordination with utility owners.

### Design and Implementation

Extensive public outreach and integration with stakeholders, including resource agencies, took place during project planning and design. Consistent communication and outreach during planning and

design was an effective means to securing grant funding from multiple state and federal sources. It also ensured consistency between the vision outlined in the Master Plan and the constructed project. The design preserved and protected a forested bluff and other natural areas. The design also called for removal of seawall, gabion, and riprap features. Approximately 90% of the shoreline armoring and bulkhead was removed, restoring natural stream outlets and sediment delivery to the beach. The beach was restored with habitat-friendly materials. Five streams that flow to Puget Sound through the park were daylighted, and several small coastal wetlands were protected or restored.



*Restored North Creek connection to Seahurst Park shoreline. Opening the creek outlet to the beach restored the sediment delivery process from the bluff to the beach.*

Park amenities and infrastructure, including utilities, recreational facilities, and emergency access routes were relocated to more resilient, upland locations less vulnerable to sea level rise. This relocation was integrated with seawall/bulkhead removal and beach

restoration. Parking was reconfigured, and parking surfaces were constructed with pervious asphalt and pavers to reduce the impact of stormwater runoff on the shoreline. Bioretention areas were provided to improve water quality. Pedestrian trail and parking improvements were designed to provide improved access. The main access to the north end of the site was widened to meet emergency access requirements, and cross drainage was improved. Beach access points were strategically aligned with restoration areas to focus access in appropriate locations that protect existing and restored habitat, such as daylighted streams and coastal wetlands. The park's existing environmental education programs were provided with improved, Americans with Disabilities Act (ADA) compliant access, new utility and emergency access facilities, and a more diverse array of restored natural habitats.

The restored Seahurst Park elegantly balances restoration and public uses and has received a positive reception from the community. The City of Burien, its project partners, and the design team achieved the

(Continued on page 13)

---

*(Continued from page 12)*

project's goals of protecting the park's natural areas, restoring marine nearshore and freshwater habitat, and improving shoreline access. What was once an unsafe

and underused park with degraded habitat and ecosystem functions is now a multi-layered, resilient place that benefits both wildlife and people.

---

## **2015 ASCE Seattle Section Local Outstanding Civil Engineering Achievement for Transportation and Development: 25th Street Bike and Pedestrian Improvements Project**

Located in Bellingham, Washington, the 25th Street Bike and Pedestrian Improvements Project, funded through the Transportation Benefit District, upgraded an existing City arterial with deficiencies such as: no defined "accessible" ADA pedestrian routes, no stormwater detention and limited treatment, pavement deterioration, and obstructed sight lines. Goals for the project were to improve access and safety for all non-motorized modes of transportation, reduce vehicle/pedestrian conflict points, increase corridor capacity and circulation, expand bicycle utilization, and enhance existing stormwater quality and runoff controls while providing a minimalistic impact to the environment.

The project team was led by Tuttle Engineering and Management with support from sub-consultants Osborn Consulting, Inc., GeoEngineers, Inc., Mariano & Associates Design, Northwest Environmental Consulting, and Rubenkonig Planning and Landscape Architecture with the City of Bellingham as the owner.

To accomplish the project goals, the team realigned roadways, installed separated sidewalks, created designated bike lanes, constructed low-impact stormwater management facilities, maximized available site infiltration, installed street trees and ground cover, and provided safety features such as ADA-accessible crosswalks and shared-use paths with lighting.

The low-impact stormwater management facilities were a key design aspect for this project. By creating cascading bioretention cells and porous pavements to initiate and control biofiltration, the team creatively and successfully managed and enhanced the stormwater quality and runoff controls in the project area. The facility was installed with a series of eight cells and weirs that would step down to match the steep roadway profile. For each cell, water quality treatment is achieved by filtration through the bioretention media before draining to a slotted underdrain and released through a flow control structure.

The final project required the engineering and artistic skills of a group of consultants that together cohesively merged the multi-modal needs of the community with those of the environment. Many of the design decisions and much of the design documentation was generated in a manner that allowed for reuse by the City as templates for future roadway improvement projects.

---

## ASCE Seattle Section Executive Board Minutes for April 11, 2016 Meeting

### Attendees:

Amanda Shellenberger  
Ananda Schweickert  
Evan Sheesley  
Kelli Dean  
Lisa Harbert  
Stefanie Herzstein  
Tony Nguyen

Meeting called to order at 12:11 pm by Evan. MOTION to approve agenda (as amended with adjustment to approve March, not February minutes) by Kelli and seconded by Lisa. Passed unanimously.

MOTION to approve March meeting minutes (as amended to adjust the wording of the Technical Director Action Item Section) by Lisa and seconded by Courtney. Passed unanimously.

### Old Business

- Nomination – Stef
  - Diana Hasegan for Presided-Elect
  - Cal Bearman for YMF Board Representative
  - Javier Flores for Technical Committees Director
  - Shiale Sztern for Treasurer
    - **ACTION ITEM:** Working with Tony to finalize election polling. May 1st.
    - **ACTION ITEM:** At the April meeting ask for open nominations.
- Connecting with Washington Sections – Evan
  - Outline of proposal of bringing Washington Section together
  - 2-3 weeks is another teleconference
- Centennial Banners – Evan
  - YMF do not have any room for the banners.
  - Could store at Evan's office for a year until a more permanent solution is found.

### New Business

**Treasurer's Report and Action Items** – Gene-NOT PRESENT (Evan discussed the report)

- Tracking well
- Nothing erroneous
- Motion to approve Treasurer's by Stef seconded by Lisa. Passed unanimously.

### **Membership Chair Update** – Kelli

- Up to 2379 members.
- Have not had the designation of Boeing branch for 4 or 5 months. Would like to determine where Boeing branch went to.

- **ACTION ITEM:** Call Nancy at National to see where Boeing branch went to.
- Still going in a positive direction for membership.
- Drop off historically around the summertime.
- Almost 700 YMF Members. Doing well.

### **Standing Committee Report and Action Items** –

#### A. Schweickert

- Moved Lifeline Earthquake Engineering Committee under Technical Committees now.
- PRR: Elizabeth Guevara
- Paper competition
  - **ACTION ITEM:** Advertising rebuilding together. Announce at next meeting.

### **Branch Report and Action Items** – A. Shellenberger

- North branch schedule of meetings set for the year.

### **Technical Committee Report Action Items** – Lisa

- Sustainability Committee 25 people at Bullitt Center
- WRE has meeting next Thursday (4/21)
- Geotechnical meeting. Dinner next Thursday (4/21)
- Lifeline Earthquake Engineering Committee.
  - **ACTION ITEM:** Ask Cory to make a brief summary to announce at next meeting to get on the Lifeline Earthquake Engineering Committee. Put in newsletter.

### **YMF Report and Action Items** – Courtney

- No Action Items.

### Other New Business

- ASCE Annual Conference – Evan
  - In Portland for 2016. Great to network since close by. Budget?
    - **ACTION ITEM:** Advertise in newsletter and website. June 2016
  - Sponsor a student? Recent graduate? Push more for entry level?
    - **ACTION ITEM:** Evan will throw something together about convention coordination and send it out.
- Jones Awards – Stef
  - Two candidates: Did not award anyone last year.
    - Joe Malloy.
    - Esther Chang
    - Motion to approve both candidates by Kelli and seconded by Lisa. Passed unanimously.

*(Continued on page 15)*

(Continued from page 14)

- LOCEA Awards – Stef
  - Asking judges to return scoring by April 20th.
- Section Dues – Evan
  - **ACTION ITEM:** Tony needs to look through the minutes to see what we voted on.
- Voting on board action items.
  - **ACTION ITEM:** Tony and Evan will develop a running database on board resolutions.
- Audit chair
  - No audit committee since Jamie had other obligations.
    - **ACTION ITEM:** Kelli can audit in the interim.

### Miscellaneous

Next Board Meeting will be April 11th.

Next Membership Meeting will be on April 12h.

Meeting called to a close at 1:16pm.

Attached are Board Member Reports.

---

### **MEMBERSHIP REPORT – Kelli Dean**

- **New Members**
  - New Members
  - Based on the new membership information from the ASCE national database, downloaded on April 4, 2016: 27 new members have enrolled with the Seattle Section since March 1, 2016. 24 members are new student members and 1 is an associate member and two are members at large.
- **Membership**
  - As of March 4, 2016, the Seattle Section and Branches have 2,379 members (Seattle 2,104, Boeing 0, North branch 133, Kitsap 152). There are 54 more members than the same time a year ago. There are 698 YMF members at this time a decrease over last month of 92.
  - The membership database received from ASCE headquarters was found to have 179 duplicates this month. The duplicates were removed.

### **STANDING COMMITTEE REPORTS – Amanda Schweickert**

- **Audit Committee – VACANT**
  - VACANT
- **Legislative Committee – Shane Binder**
  - No update
- **Diversity Committee – Diana Giraldo/Jaclyn Hayden**
  - No update
- **History and Heritage – Cindy Hirsch**
  - No update

- **House and Hospitality – Don Nguyen/Katie Sultan-Wright**
  - No update
- **Order of the Engineer – Amy Riley**
  - No update
- **Professional Practice – Ed Huston**
  - No update
- **Program Chair – Younes Nouri**
  - No update
- **RH Thomson Scholarship – Emily Spahn/Casey Nelson/Lorelei Williams**
  - No update
- **Public Information – Elizabeth Guevara**
  - Elizabeth Guevara is our new PRR contact. She can help us with announcements for the scholarships, awards, etc.
- **PSEC – Paul Grant**
  - Planned Activities
    - Engineering Mentor Nights
      - Highline Community College – April 19, 6-8pm
      - Bellevue College – May 4, 11am-1pm (note new noon format)
      - Shoreline Community College – May 11, 6-8pm
    - Links for signups for the events are provided in the newsletter. PSEC is looking for volunteers to serve as coordinators for future events.
- **University Advisory Committee – Amy Riley**
  - Amy is coordinating with UW and SU. The First place winners of the Paper competition will be presenting at the May Section dinner.
- **Washington State Board of Registration Representative – VACANT**
  - VACANT
- **EWB-USA Puget Sound Professionals (PSP) Chapter – Eset Alemu**
  - No update
- **Community Service – Kristina Lowthian**
  - Eight volunteers from YMF helped survey a Southeast Seattle neighborhood for Habitat for Humanity, on March 12th. The event was from 8am-4pm on at the Ethiopian Community Center in Seattle.
  - The April Service event, Rebuilding Together Volunteer Event, Saturday April 30th from 8am-4pm in Seattle.
    - There are over 37,000 low-income homeowners in the Seattle area that are in need of home repairs they cannot afford. ASCE member volunteers will take part in Rebuilding Together Seattle's Spring Rebuilding Day. On this day, nearly 750

(Continued on page 16)

(Continued from page 15)

volunteers will work together on 25-30 houses and nonprofit facilities. You can be one of them!

- 20-40 volunteers needed. Volunteers will be provided with doughnuts and coffee, lunch and water. Volunteers are encouraged to bring gloves, sturdy boots, and any other gear to work in rain or shine.
- Contact Jessica Aguilar at [Jessica.aguilar@abam.com](mailto:Jessica.aguilar@abam.com) if interested.
- **ACTION ITEM:**
  - Advertise/Announce the April event for volunteers. YMF is teaming up with the Seattle Section for Rebuilding Together.
- **K-12 Outreach** - Eset Alemu and Vacant
  - No update

#### BRANCH REPORT – Amanda Shellenberger

- **North Branch** (by Melissa Gehrman)
  - The North Branch has developed a tentative meeting schedule for 2016.
    - March 16: Mt. Vernon
      - Speaker: Wayne Wright, PWS, CFP-GeoEngineers
      - Fish considerations to culvert replacement
    - May 18: Bellingham
      - Speaker: Doug Ranney-Whatcom County
      - Seismic Retrofit of 1929 Bridge
    - July 20: Mt. Vernon
      - Speaker: TBD
    - September 21: Bellingham
      - Chris Damitio, PE and Shane Spahr, PE-WSDOT
      - Anderson Creek Bridge (SR542)
    - November 16: Mt. Vernon
      - TBD
- **Kitsap Branch** (by David Dinkuhn and Shylo Shorthouse)
  - The Kitsap Branch is planning on having an ASCE booth at the West Sound STEM Showcase on Saturday, April 30th from 10am-3pm, at the Kitsap Mall in Silverdale. We are looking for people to sign up and man our table as well as brainstorming ideas for an interactive piece. The Showcase is for grades K-12. We hope to focus on high school students and letting them be aware of the job opportunities in the engineering fields. We also hope that other engineers will see our involvement and possibly become engaged and attend our monthly meetings.

#### ● **Boeing Branch**

- **ACTION ITEM:** Amanda Shellenberger to work on trying to get into contact with Boeing ASCE representatives.

#### TECHNICAL COMMITTEES REPORT – Lisa Harbert

##### ● **Sustainability Committee**

- They had 25 people attend the Bullitt Center tour last Wednesday followed by happy hour at Elysian Brewery.

##### ● **Water Resources Committee**

- Tim Flynn, president of Aspect Consulting, will be the speaker for this Section co-sponsored meeting of 2016. He'll be talking about storing winter surface water in aquifers as a water supply alternative in Eastern Washington.
- You can always go our webpage for further updates and notices. Check out its new mobile-friendly format: [http://www.seattleasce.org/committees/water\\_resource.php](http://www.seattleasce.org/committees/water_resource.php)
- We had 11 people at last month's meeting about the management of the Baker Hydroelectric project during last year's drought.

##### ● **Geotechnical Group**

- We had about 100 people attend our Spring Seminar "Innovations in Deep Foundations" on April 2, 2016 at Kane Hall, University of Washington. Many prominent speakers including: Jerry DiMaggio, John Turner, Armin Stuedlein, Tom Armour, Brice Exley and Steve Spencer, Erik Loehr, Anna Sellountou, and Hisham Saredidine presented.
- A total of 45 people attended our Spring Short Course, which was presented by Jerry A. DiMaggio. His topic was "Design, Construction and Monitoring of Driven Pile Foundations" on April 1, 2016 at the Red Lion Hotel, Bellevue.
- Our next dinner meeting will be April 21st at the Red Lion in Bellevue. Donald Bruce will be presenting the Terzaghi Lecture titled "The Evolution of Specialty Geotechnical Construction Techniques: The "Great Leap" Theory".
  - More details and links to register for any of these events, please visit our website: <http://www.seattlegeotech.org/>

##### ● **New Committee-Lifeline Earthquake Engineering Committee**

- Cory Luker is the chair of this new committee. Right now he is talking with other engineering societies to get information on what is already being done. At his first meeting, he found that

(Continued on page 17)

---

(Continued from page 16)

other groups are putting together a list of engineers who are qualified to assist if we have an earthquake. If you would like to be on the list, please contact Cory at luker.cory@gmail.com. Thanks Cory for taking this on.

## YMF BOARD REPORT – Courtney Davis

### • Past Events

- March 23 – June 13 – ASCE Soccer Team – Spring Season [9 YMs]
  - Games are on Wednesday evenings at various fields around Seattle. All experience levels are welcome to join. Looking for more female players, presently.
- March 3 – Annual YMF Ski Retreat in Leavenworth (joint with North Branch & Portland)
  - Younger members gathered at a large cabin in Leavenworth to network, do hands on activities, and ski at Steven’s Pass. Members from Portland and North Branch came out to the event. Overall, all available spots were taken and it was a successful event.
- March 8 – Executive Panel Planning Conference Call [4 YMs]
  - Call to work out details and speakers for the executive panel coming up this spring.
- March 12 – Community Service Event – Habitat for Humanity [8 YMs]
  - Volunteers from YMF helped survey a Southeast Seattle neighborhood for Habitat for Humanity. Block and parcel surveys were conducted to assess neighborhood conditions.
- March 14 – Eastside Networking Event at Parlor
  - Younger members gathered to network and share a drink after work. Looking to do a joint event with SEAW to bring up attendance.

- March 23 – YMF Leadership/Board Conference Call [8 YMs]
  - Discussed and voted to endorse Kristina Swallow for ASCE President Elect
  - Discussed how to increase attendance at events and get people to read our newsletters
  - Went through all position and checked in on how things are going.
- March 3&17&31 – Lake Stevens High School ASCE Civil Engineering Club Meeting [10 Students, 2 YMs]
  - Lake Stevens High School students gather to do activities to learn about what engineering is. They also reach out within their High School to spread the word about civil engineering with posters, brochures ordered from ASCE, and by word of mouth.
- March 28 – Tour at Pike Place MarketFront Project [20 YMs]
  - Up-close look at the construction of the new Pike Place MarketFront. The project will transform a 0.75-acre surface lot into a dynamic public plaza within the Market Historic District. Construction began in June 2015 and is scheduled for completion in 2016. Tour provided to YMF by Sellen.
- March 28 – Seattle Networking at Alibi Room
  - Following the Pike Place Market Front Tour, YMs joined at the Alibi Room in Pike Place to network and discuss the neat construction project they had the opportunity to tour.
- **Committee Activities**
  - On-going soccer league