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safely and efficiently. In addition to building, maintaining, and operating the state highway system consisting of over 18,000 lane miles and 3,600 bridge structures, WSDOT is responsible for the largest ferry system in the nation; owns three Talgo train sets in the Amtrak Cascades fleet; and works in partnership with others to maintain and improve local roads, railroads and airports, as well as to support alternatives to driving, such as public transportation, bicycles and pedestrian programs. Additionally, WSDOT manages the world's widest tunneling project and the world's longest floating bridge. WSDOT's diverse programs and projects are supported by more than 6,800 full-time employees, including engineers, vessel captains, maintenance technicians, environmental specialists, planners, and more. We take pride in our workforce and strive for excellence and integrity in everything we do.

This position will perform the following work:

- xManage development of hydraulic designs for fish barrier projects.
  - xApply appropriate design methodologies based on Washington Department of Fish and Wildlife (WDFW) stream crossing guidelines, compose basis of design reports, and coordinate with WDFW and project design offices.
  - xProvide direction to Olympic Region design teams to ensure that all storm water/hydraulic related design and documentation are economical, practical and comply with applicable storm water/hydraulics regulations and standards.
  - xPerform engineering analysis in support of fish passage design, including stream simulation analysis, using the most current stream crossing guidelines and applicable computer modeling software.
  - xInvestigate project sites, including developed and undeveloped terrain, which may include traversing uneven or steep terrain, near heavy traffic.
- An ideal candidate for this position will have:
- xFour years' experience in the hydraulic field OR a combination of hydraulic experience and experience as a

Transportation Engineer or equivalent experience.

- xMust possess a valid Professional Engineering license in the State of Washington.
  - xBachelor's degree in Civil Engineering or related field.
  - xDemonstrated ability lead and direct design engineers.
  - xAbility to exercise sound judgment in directing, analyzing, and evaluating storm water design of highway facilities.
  - xAbility to perform stream simulation analysis using the appropriate modeling software.
  - xKnowledge of the WSDOT Highway Runoff Manual, Hydraulics Manual, and current environmental and hydraulic laws and regulations.
  - xHighway Runoff Manual Certification.
  - xExcellent communication skills in both the oral and written form, and the ability to communicate complex information with diverse audiences.
  - xProficient use of computers and engineering software.
  - xValid driver's license.
- How to Apply: Applications for this recruitment will be accepted electronically. To view the entire announcement and to apply, please visit [www.wsdot.wa.gov](http://www.wsdot.wa.gov) or email to [Rachel.Giese@wsdot.wa.gov](mailto:Rachel.Giese@wsdot.wa.gov) or call 360.705.2223. Please reference recruitment number 2016-057.
- The Washington State Department of Transportation is an equal opportunity employer. Women, racial and ethnic minorities, persons of disability, persons over 40 years of age, and disabled and Vietnam era veterans are encouraged to apply. Persons with disabilities needing assistance in the application process, or those needing this job announcement in an alternative format may call the Office of Human Resources, at 360.705.7042 or email at [jobinfo@wsdot.wa.gov](mailto:jobinfo@wsdot.wa.gov)



**Project Manager**

Performs civil engineering work for municipal capital projects. Requires: Bachelor's in civil engr or related field such as construction mgnt; 3 yrs related exp; or equiv comb. P.E. required. \$6607 - \$8635 (2017 rates) mnth + benefits.

Apply online at <http://marysvillewa.gov>.

Open until filled. First review 12/9/16. EOE/AA



**City of Portland, Oregon  
Bureau of  
Development Services**  
FROM CONCEPT TO CONSTRUCTION

The City of Portland 2 U H J R Q • V % X U H  
Development Services is recruiting for:

Structural Engineer

Great Benefits Compensation: \$42.96  
\$52.21 Hourly  
Recruitment Opens: 11/14/16  
Recruitment Closes: 12/5/16 no later than 04:30 PM  
Recruitment Summary <http://www.portlandoregon.gov/bds/43591>  
For Qualifications and To Apply Visit: [www.PortlandOregon.gov/JOBS](http://www.PortlandOregon.gov/JOBS) when recruitment opens November 14, 2016

The Mission of 3 R U W O D Q G • V % X U H D  
Development Services is to promote safety, livability, and economic vitality through efficient and collaborative application of building and development codes.

The Position:

Structural Engineers for the Bureau of Development Services (BDS) perform advanced professional engineering assignments. Work is completed by using individual creativity and initiative, while also collaborating and problem solving with team members on unusual or complex projects. The core of the work is performing specialized structural plan reviews of private development and public work structures. Typical projects to review include - but are not limited to - building and non-building structures (both commercial and residential), foundations,

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retaining walls and shoring, and cell towers. The review process assures compliance with applicable codes and regulations and professional standards of practice, with an end goal of meeting the needs of the community. BDS strives to provide all services in an equitable manner; demonstrated understanding and abilities in the areas of equity, inclusion, diversity and/or accessibility are preferred. The vacancy is in the Engineering Plan Review Section of the Bureau of Development Services.

Benefit Highlights:

- x Generous vacation and sick leave accrual benefits; holidays plus three personal holidays each year
- x Medical, dental, vision, life and long term disability dependent coverage (children, spouse or domestic partner)
- x Flexible Spending Accounts: Medical Expense Reimbursement Plan and Dependent Care Assistance Plan
- x City-paid retirement contributions; and an optional employee-paid Deferred Compensation Plan

It is the policy of the City of Portland that no person shall be discriminated against based on race, religion, color, sex, marital status, family status, national origin, age, mental or physical disability, protected veteran status, sexual orientation, gender identity or source of income. The City values diversity and encourages everyone

who is interested in employment with the City to apply

An Equal Opportunity/Affirmative Action Employer

Fluency in a second language is desirable, but not required. To learn more about this position and the qualifications, please join us for an optional Information Session (see below for details).

For questions about this position and the qualifications, contact Amit Kumar at [Amit.Kumar@portlandoregon.gov](mailto:Amit.Kumar@portlandoregon.gov) (503) 237561.

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( Q J L Q H H U R I W K H < H D U \$ Z D U G 1 R P L O D

Every year, the Puget Sound Engineering Council (PSEC), a consortium of regional professional engineering organizations, hosts an award program for distinguished engineers at an annual banquet during ( Q J L Q H H U • V : H H N L Q ) H E U X D U \ participating in PSEC, each is allowed to make a nomination of a single engineer for an award in each of the following categories:

- x Academic Engineer of the Year
- x Engineering Educator (not teacher) of the Year
- x Government Engineer of the Year
- x K-12 STEM Engineering Teacher of the Year

- x Industry Engineer of the Year
- x Professional Engineer of the Year
- x Young Engineer of the Year

During the month of December, the Seattle Section of ASCE will develop a list of nominees for these categories. If you are interested in nominating a Section member for one of these awards (self nominations included) or for more information on the program, please contact Paul Grant [pgrant@pangeoinc.com](mailto:pgrant@pangeoinc.com) or 2062620370.

Attendees:  
Amanda Schweickert  
Cal Bearman  
Diana Hasegan  
Evan Sheesley  
Homero Flores Cervantes  
Shailee Sztern  
Kelli Dean

Branch Report and Action Items  
A. Shellenberger  
(absent)  
x ACTION ITEM: Need to reach out to Amanda Shellenberger.  
Technical Committee Report and Action Items  
Homero  
x ACTION ITEM: Need chairs for Board of Registration and Urban Development committees.  
YMF Report and Action Items  
Cal

Meeting minutes taken by Evan Sheesley. Transcribed by Tony Nguyen.

x Updated YMF Board  
x Kenneth Porter Award: Young Member  
Stick Bridge Leader

Meeting called to order at 10:05am by Kelli. MOTION to approve agenda by Evan and seconded by Amanda. Homero abstains. Remaining board members approves. Motion passes.

x ACTION ITEM: Cal to distribute requirements for ASCE-PSEC nominees.

MOTION to approve June meeting minutes by Evan and seconded by Amanda. Homero abstains. Remaining board members approves. Motion passes.

Other New Business  
x Membership meeting in February will be on 1 R U Z D \cdot V ) O R D W L Q J 7 X Q Q H O  
x Dream Big  
o The Pacific Science Center is organizing an idea gathering meeting for lead volunteers. Brad Strandquist and Nigel Lyons will update the Board of the outcome of the meeting.  
Board Reports need to be posted as early as possible.

Old Business

x Washington Section Update  
o Tacoma, Columbia, and Seattle Sections to meet and outline a draft of Washington Section Constitution and Bylaws.

Miscellaneous  
Next Board Meeting will be November 15th.  
Next Membership Meeting will be on November 30th.  
Meeting called to a close at 11:00=5am.  
Attached are Board Member Reports.

New Business

**Treasurer's Report and Action Items** ‡ Shailee

x Donated twice to UW concrete canoe.  
o ACTION ITEM: Evan to confirm check was cut up.  
o ACTION ITEM: Shailee: Provide approved EX G J H W W R E R D U G D O G S U  
Logic.  
o ACTION ITEM: Shailee will determine what is needed to complete taxes this year. (Should expect a cnotice from ASCE HQ in November).

STANDING COMMITTEE REPORT + L J Khabda Schweickert

Membership Chair Update—Diana  
x Diana signed up as membership champion.  
x Numbers continue to increase.

x Audit Committee—Stefanie Herzstein  
o No update, will review treasurer report once it is posted.

Standing Committee Report and Action Items

A. Schweickert  
x History and Heritage  
o ACTION ITEM: Does Board need to review/approve the plaque text?

x Legislative Committee—Vacant  
o Advertised for a Legislative Chair  
x Diversity Committee—Jaclyn Hayden  
o No update

o . H O O L Z R X O G O L N H W R U H V S  
D S S U R Y H E X W F D Q U H Y L H Z  
x No update from legislative committee  
o ACTION ITEM: Make announcement at meeting tomorrow for the legislative committee.

x History and Heritage—Cindy Hirsch  
o History & Heritage will meet on 11/12 at 8:45 at the Panera at Northgate. We'll finalize the language for the replacement plaque for the Snoqualmie Falls Power Generation Nat'l Historic Civil Engineering Landmark.  
o ACTION ITEM: Does the Board need to see the language before History & Heritage

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- forwards it onto the National Committee or is a copy of the language sufficient?
- o Gathering archivable materials to send to the firm for archiving. Need to get an estimate before archiving because of additional items found that need to be archived.
- x House and Hospitality- Don Nguyen/Katie Sultan-Wright
  - o No update
- x Order of the Engineer- Amy Riley
  - o No update
- x Professional Practice Ed Huston
  - o No update
- x Program Chair-Tara Beitler/Henry Haselton
  - o No update
- x RH Thomson Scholarship - Aaron Olson/Hillary Stibbard/Amy Riley
  - o No update
- x Public Information - Elizabeth Guevara
  - o No update
- x PSEC - Paul Grant
  - o Past Activities (None for September)
  - o Planned Activities
    - Engineering Mentor Night
      - ‡ Seattle Pacific University October 24th 6 to 8 pm Has been published in the newsletter.
      - ‡ PSEC is looking for volunteers to serve as coordinators for future mentor night events.
    - Engineer of the Year Awards
      - ‡ Seeking any board suggestions for PSEC Engineer of the Year awards (i.e. Academic, Government, Professional)
      - ‡ YMF will provide their own nominations for the Young Engineer
- x University Advisory Committee- Amy Riley
  - o No update
- x Washington State Board of Registration Representative- Amy Thatcher
  - o No update
- x EWB-USA Puget Sound Professionals (PSP) Chapter- Eset Alemu
  - o No update
- x Community Service- Kristina Lowthian
  - o October Volunteer Event Food Lifeline
    - Wednesday October 26th 5:45-8:00pm
    - Food Lifeline 815 S. 96th St., Seattle
    - Help fight hunger in the Seattle area. We'll help inspect, pack and sort food donations for distribution to local food banks, shelters, and meal programs. There are 10 spots available, so please RSVP to Kristina

Lowthian at nalani83@gmail.com by October 19th. When responding, please indicate if you need or could provide a carpool.

- x K-12 Outreach- Brad Strandquist
  - o No update

BRANCH REPORT - Amanda Shellenberger

- x North Branch (by Melissa Gehrman)
  - o New 2017 officers were elected in September. Our new branch officers are:
    - President: Aaron Hartvigsen
    - President Elect: Erik Andersen
    - Secretary/Treasurer: Dawn Greenwood
  - o ACTION ITEM: North Branch to provide updated contact information for new branch officers.
- x Kitsap Branch (by David Dinkuhn and Shylo Shorthouse)
  - o No update
- x Boeing Branch
  - o No update and no current contact information.

YMF BOARD REPORT - Cal Bearman

- x Past Events
  - o September 28-December 14 ASCE Soccer Team Fall Season [6 YMs]
    - Games were on Wednesday evenings at various fields around Seattle. All experience levels are welcome to join.
  - o September 10-September Community Service Event Storm Drain Marking at Kennydale Lions Park.
    - 6 younger members were on hand to help educate Renton residents in pollution prevention techniques. They marked storm drains with "Only Rain Down the Drain" decals, while expanding their stormwater knowledge and distribute educational materials to the public. Volunteering was followed by a BBQ Picnic in the park.
  - o September 15-Seattle Networking [20 attendees]
    - We had a great turnout for our first west side happy hour of the year! Everyone gathered at Rhein Haus Restaurant on First Hill near Seattle University to catch up and enjoy HH-priced drinks and play bocce.
  - o September 29-Eastside Networking [4 attendees]
    - Eastside Networking this month drew new IDFHV DQG DJRRG WXUQRXW was held at Tavern Hall in Downtown Bellevue.

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x Upcoming Events

- o October 11 UW Resume Critique
- o October 13 UW Mock Interviews
- o October 13 Networking (Bellevue Joint with SEAW)
- o October 15 Tour of the Smith Tower
- o October 20 Networking (Seattle)
- o October 26 Volunteer Event: Food Lifeline
- o October ?? New Leadership Activity
- o February ?? Popsicle Stick Bridge Competition 2016

x Committee Activities

- o Transitioning officer and chair positions for the new ASCE year
- o PSEC Young Engineer of the Year Nomination

x Action Items

- o New officers as of October 1, 2016
- Office / Name  
YMF Board Representative: Al Bearman  
YMF President: Jared Nakamoto

YMF President-Elect: Don Nguyen  
YMF Treasurer: Bobbie Gilmour  
YMF Secretary: Schyler Hect  
YMF Past Executive: Courtney Davis  
YMF Bellevue Program Chair: Daniel Worthen  
YMF Community Service Chair: Kristina Lowthian  
YMF K-12 Student Outreach Chair: Nigel Lyons  
YMF Popsicle Stick Bridge Coordinator: Christopher Rhodes  
YMF Scholarship Chair: Leo Moyer  
YMF Seattle Program Chair: Shelley Collins  
YMF University Liaison SU: Jessica Lim  
YMF University Liaison UW:  
YMF Sports Activities Chair: Alyssa Dixon  
YMF Professional Development Chair: Ramulos Ragudos  
Web Master: Eric Knigge  
Executive Workshop Chair:  
Golf Tournament Chair: Matt Thomas

# Explore. Inform. Learn. Prepare.

F O R A B R I G H T F U T U R E .



**Explore** STEM careers in our community and region. **Inform** scholars of secondary course selections. **Learn** about STEM and STEAM learning opportunities offered in our district. **Prepare** scholars for STEM careers.

Washington ranks #1 in the concentration of STEM jobs. FWPS wants **you** to be prepared to access STEM-related college and career pathways which are high-demand, high-wage professions.

Federal Way Public Schools

F I R S T A N N U A L

## STEM Exploration Night

Thursday | February 23, 2017 | 5:00-7:30 p.m.



Federal Way High School

30611 16th Ave S.

Federal Way, WA 98003

Hashtag: #FWPSSTEM2017

Check out [fwps.org](http://fwps.org) for more information about the event, including parking.



**FEDERAL WAY  
PUBLIC SCHOOLS**

EACH SCHOLAR: A VOICE. A DREAM. A **BRIGHT** FUTURE.