



Tacoma/Olympia Section Civil Engineer THE NEWSLETTER

MAY 2006

Tacoma Narrows Bridge Tour*

Tuesday, May 9th
11:30am - 2:00pm

WSDOT Gig Harbor Office
3214 50th St Ct NW, Ste 302
Gig Harbor, WA 98335-8583

presented by:

Dennis Engel, WSDOT
Eric Ostfeld, WSDOT

PIZZA FEAST-\$10

* Please note, space is limited to 20 people for the tour. An additional 10 people can attend the presentation and be on standby for the tour. Attached are forms that must be filled out by each person prior to the tour. **NOTE: YOU MUST BRING YOUR RELEASE FORMS WITH YOU TO THE TOUR.**

Reservations:

Please RSVP by
Friday, May 5th at noon
Contact Kay Hoke at
khoke@cityoftacoma.org
or 253.591.5760

Tacoma Narrows Bridge Tour

Tour the construction site of the largest suspension bridge under construction today, and the largest suspension bridge to be built in the US since 1964. In this \$849 million, 5.5-year design-build project, crews are building not only the mile-long bridge, but 2.4 additional miles of improvements to SR16 leading to/from the bridge.

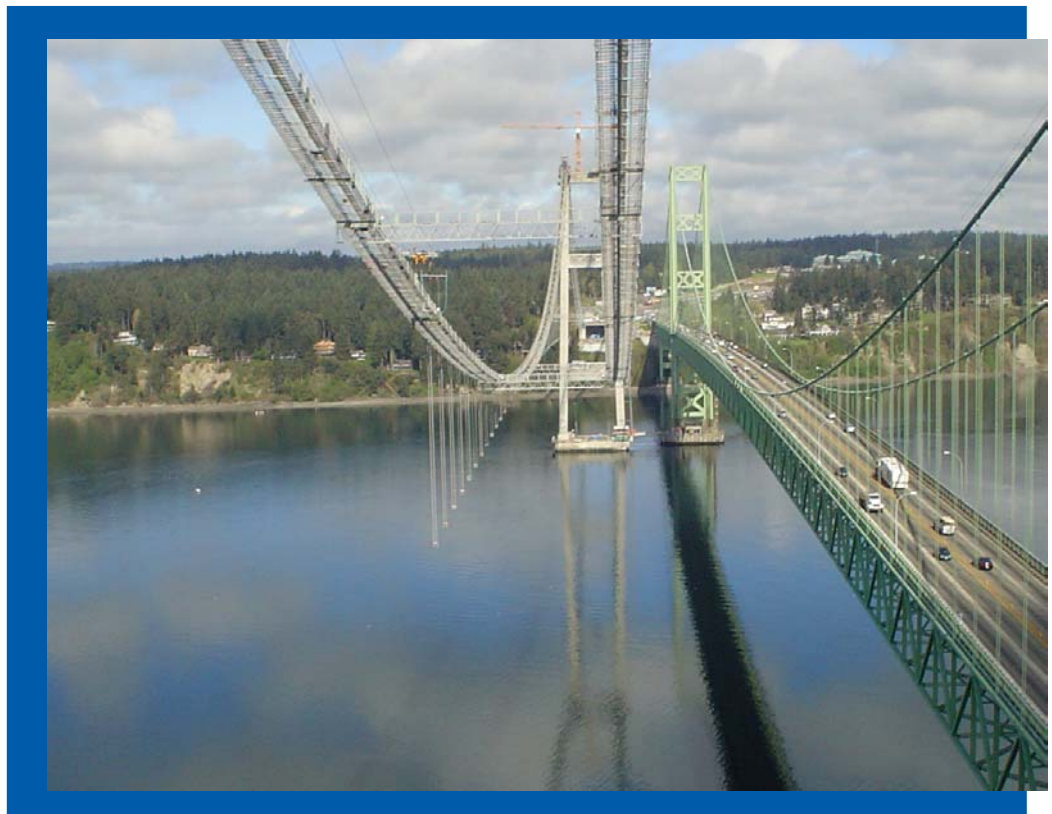
Speakers:

Dennis Engle, Tacoma Narrows Bridge Project Engineer

A 1983 WSU Civil Engineering graduate, Dennis has worked for WSDOT for 22 years. The last six years he's been WSDOT's Tacoma Narrows Bridge Project Engineer, responsible for overseeing all construction and inspection of the project. Prior to working on this bridge, Dennis worked on several noteworthy projects around Tacoma, including the SR507 corridor and its cable-stayed bridge, and I-705 (Tacoma spur).

Eric Ostfeld, Tacoma Narrows Bridge Design and Environmental Manager

A 1997 Civil Engineering graduate from WSU, Eric joined the Tacoma Narrows Bridge team in 2001. He first served as Field Roadway Engineer, leading the inspection oversight team focused on roadway improvements, including a precast girder bridge, numerous retaining walls, drainage and embankment construction. Now the Design and Environmental Manager, Eric oversees permitting and design issues. Prior to coming to the project, Eric worked at Exeltech Consulting in Olympia, WA as a project engineer and at Grinnell Fire Protection in Denver, CO, as a design engineer.



Tacoma Narrows Bridge Project



Tacoma Narrows Bridge Tour

Agenda:

Meet at the Gig Harbor WSDOT office at 10:00am for a short presentation and pizza feast, then take a tour of the bridge.

Please note, space is limited to 20 people for the tour and is restricted to Tacoma/Olympia ASCE members only. The conference room at the WSDOT office can accommodate an additional 10 people who want to attend the presentation and be on standby status for the tour. If additional spaces are available after the sign-up period, non-ASCE members will be considered.

Attached are forms that must be filled out by each person prior to the tour.

(See end of newsletter.)

You MUST wear OVER-THE-ANKLE-BOOTS to access the job site. If you have a hard hat, safety vest and safety glasses, please bring these along as well. We will provide safety gear to people who don't have it.

Directions:

Take I-5 to exit 132 to SR16 in Tacoma. Cross the Tacoma Narrows Bridge; drive to Gig Harbor. Take the westbound SR16 exit to Olympic Drive; turn left off exit. Go straight through two short lights; you'll see QFC on the left. Immediately after QFC, turn left onto a small road called 50th Street Court NW. Drive to end of road (about a block); turn left into last parking lot. **Park anywhere that's not labeled "reserved."** We're in the lower corner building, third floor.

Address is 3214 50th Street Court NW in Gig Harbor
Office phone number is (253) 534-4640.

Job Opening

Tacoma Building and Land Use Services Division has an upcoming job announcement for a **Professional Engineer or Architect** to do Plan Reviews for the Division, along with related duties. Prefer a professional engineer or architect with experience in the design or review of buildings and is interested in the structural, geotechnical or mechanical aspects of buildings.
Salary: from \$34.10 to \$41.45 per hour (\$70,928 to \$86,216 per year) with benefits. The candidate must live within the City limits at the time he/she is hired.

Prior to official job announcement contact
Cap Pearson, P.E., S.E.
253-591-5019
cpearson@cityoftacoma.org at 253-591-5019.

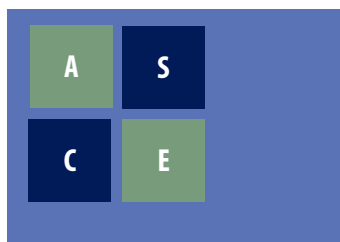
Track job announcement by going to the City of Tacoma's Web Site:
<http://www.cityoftacoma.org/default.asp?main=/13jobs/default.asp>

**See Your AD
Here!**

**Advertise in our
newsletter!**

Post a business card sized ad in our newsletter for \$200 per year. If you are interested, please contact:

Sue Coffman
253.594.7905
suecoffman@cityoftacoma.org



**Engineers Make
The Difference—
They Provide the Quality of Life!**

Civil Engineer Newsletter is published monthly from September to May for the Tacoma/Olympia Sections of the American Society of Civil Engineers.

To submit ads or articles of interest please contact the President of the section or the Editor. Information must be submitted not later than the 15th of the month to be included in the next publication.

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

President's Corner by Sue Coffman



Sue Coffman, Tacoma/
Olympia Section President
2005-'06

Well, it's May already, and we have a new crop of civil engineers graduating from colleges around the country. The lucky ones already have jobs lined up, but many will be still searching after graduation. Engineers are definitely a force to be reckoned with. In 2004, engineers held 1.4 million jobs, with about 16 percent of those in the civil engineering specialty.

According to the U.S. Department of Labor, overall engineering employment is expected to grow about as fast as the average for all occupations over the 2004 to 2014 period, and overall job opportunities in engineering are expected to be favorable because the number of engineering graduates should be in rough balance with the number of job openings over this period.

So what salaries should our graduates expect coming out of college? Of course, earnings for engineers vary significantly by specialty, industry, and education, but even so, as a group, engineers earn some of the highest starting salaries among those holding bachelor's degrees. According to a 2005 survey by the National Association of Colleges and Employers, the average starting salary offers for civil engineers were \$43,679 for Bachelor's degree graduates, \$48,050 for Master's

degree graduates, and \$59,625 for those holding Ph.D's. Just a reminder about your membership perks: ASCE offers free resume critiquing. Visit their website on www.asce.org/careers for more information. Also, members can post their resume on ASCE's Career Connection website, which is visited by hundreds of potential employers every day.

If any of you out there happen to be hiring a new civil engineer, please encourage them to join their local ASCE section. It's a great opportunity for them to network with other engineers and also to learn new things.

Speaking of new things – we have the opportunity to tour the new Tacoma Narrows Bridge in our May section meeting. **Remember – space is limited to the first 20 to sign up, so get your reservations in as soon as possible.**

A little reminder before I sign off for the summer – ASCE will have a booth at the Puyallup Fair again in September. Please consider volunteering in our booth this year. We will have a training session before the fair to show the volunteers how to use the software or run the demonstration. Please contact either me or one of the other board members if you can volunteer some time to run our booth.

Have a great summer everyone!

Best Regards,

Sue Coffman

Tacoma-Olympia Section President

Thank You Section Members Serving on National Committees



The following Tacoma/Olympia Section members serve on committees at the national level. We'd like to thank them and tell them we appreciate their time and dedication!

Michael Adams, P.E., M.ASCE,
COPRI - Coast, Oceans, Ports

and Rivers Institute: Ports and Harbors Committee

Donald Ballantyne, P.E., M.ASCE, Technical Activities -
Technical Council on Lifeline Earthquake Engineering:
Earthquake Investigation, Gas and Liquid Fuel Lifelines,
Water and Wastewater Lifelines

James Carlsen, P.E., M.ASCE, ASCE Board of Direction:
Past & Active Officer

James Collins, M.ASCE, SEI - The Structural Engineering
Institute: Seismic Rehabilitation of Existing
Building Standards

Frank Davidson, P.E., M.ASCE, COPRI - Coast,
Oceans, Ports and Rivers Institute: Ports and
Harbors Committee

Charles Gloyd, P.E., M.ASCE, SEI - The Structural
Engineering Institute: Bridge Security Committee,
Subcommittee on Concrete Bridge Designs (W/ACI 343)

Kris Kauffman, P.E., M.ASCE, EWRI - Environmental
and Water Resources Institute: Laws and Institutions
Committee, Water Regulatory Standards Committee

Jerald La Vassar, P.E., Aff. M.ASCE, The Geo Institute:
Embankments, Dams and Slopes

Dintie Mahamah, M.ASCE, Technical Activities -
Technical Council on Lifeline Earthquake Engineering:
Water and Wastewater Lifelines

Michael Mucha, P.E., M.ASCE, Professional Activities:
CPP Committee on Peer Review of Public Agencies,
ASCE Board of Direction-National Committees of the
Society: Strategic Planning Committee

Timothy Nordstrom, A.M.ASCE, CI - The Construction
Institute: Design Build Committee

Elmer Ozolin, P.E., M.ASCE, COPRI - Coast, Oceans,
Ports and Rivers Institute: Ports and Harbors SC:GIS

Thomas Skaggs, P.E., M.ASCE, SEI - The Structural
Engineering Institute: Minimum Design Loads for
Building and Other Structures Committee, Seismic
Rehabilitation of Existing Building Standards

Thomas Williamson, P.E., F.ASCE, National Committees
of the Society: Codes & Standards Activities Commit-
tee. Technical Activities Committee: Committee on
Sustainability. SEI -The Structural Engineering

Institute: Design of Engineered Wood Construction
Standards, Flood Resistant Design and Construction
Standards, SEI Codes & Standards Activities Division
EXCOM, Seismic Rehabilitation of Existing Building
Standards, Timber Bridges, Wood Education

Borjen Yeh, P.E., M.ASCE, SEI - The Structural Engi-
neering Institute: Design of Engineered Wood Construc-
tion Standards

Thanks for all you do!!!

Section Calendar

Section Meetings are open and held once a month, September through May. Meetings are **generally held** on the **second Tuesday** of the month. Locations alternate between Tacoma and Lacey, and times vary between lunch and dinner meetings.

2006 Section Meetings:

September 8-12, Puyallup Fair ASCE Booth - Please Volunteer!

September 12, Joint meeting with SEAW, Program TBA, Location - La Quinta Inn, 5:30 pm.

October 10, Induction of New Officers, Program - Cost/Risk Estimation and Management, Mark Gabel, WSDOT, Location - St. Martin's Worthington Center, 5:30 pm

November 14, Program TBA, St. Martin's Worthington Center, lunch meeting.

***DATE/TIMES/LOCATIONS ARE TO BE VERIFIED**

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.

Board Meetings:

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

See Your AD Here!

Advertise in our newsletter!

Post a business card sized ad in our newsletter for \$200 per year. If you are interested, please contact:

Sue Coffman **253.594.7905**
sue.coffman@cityoftacoma.org

TRANSPEED Courses

The TRANSPEED Schedule Below is a list of the upcoming courses.

Please view our 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:

Christy Pack
TRANSPEED Program Manager
UW Engineering Professional Programs
10303 Meridian Ave N #301
Seattle, WA 98133
1-866-791-1275 toll free
direct 206-543-5539 206-543-2352 FAX
croop@u.washington.edu

See the website at

<http://www.engr.washington.edu/epp/Transpeed/index.html> for more.

2006 Winter/Spring 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
(direct) 206-685-9682
Stacy Williamson, Prog. Coord.
stacyw@u.washington.edu
(direct) 206-543-5743

Continuing Ed

In our continuing effort to enhance communications between ASCE's Sections, Branches and ASCE National, Geographic Services is pleased to advise you of the following seminars scheduled in your geographic area from April through September 2006:

May 4-5, 2006 Seattle, WA

Structural Condition Assessment of Existing Structures

June 8-9, 2006 Portland, OR

Design of Waste Containment Liner & Final Closure Systems

June 14-16, 2006 Seattle, WA

Introduction to the Design & Construction of Tunnels

June 22-23, 2006 Portland, OR

Dam Safety and Rehabilitation

July 20-21, 2006 Portland, OR

Post Tensioning Construction & Design

August 10-11, 2006 Portland, OR

Design and Renovation of Wood Structures

August 24-25, 2006 Seattle, WA

Structural Renovation of Buildings

September 13-15, 2006 Seattle, WA

HEC-RAS Computer Workshop

September 28-29, 2006 Seattle, WA

Residential Land Development Practices

These in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department and may be of interest to many ASCE members in your Sections and Branches. We would greatly appreciate if you would consider posing information on these seminars in your newsletters and on your websites.

Detailed descriptions of the seminars (by title) are available on ASCE's website at www.asce.org/conted/seminars.

If you have questions or need assistance, please contact Kelly Jarvis, Continuing Education Registrar at kjarvis@asce.org or Michael Cook at mcook@asce.org.



Tacoma/Olympia Section Board **2005 - 2006**

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sue.coffman@cityoftacoma.org

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mhale@cityoftacoma.org

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benlaurie@sitts-hill-engineers.com

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jmoline@cityoftacoma.org

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MohameM@wsdot.wa.gov

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Greg@tvwd.org

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wesjones@sitts-hill-engineers.com

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richardswanson@comcast.net



We're on the web!

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

Tacoma Narrows Constructors - RELEASE

I agree to the following in consideration of receiving permission to enter onto the Tacoma Narrows Bridge Project construction site ("the Site") for the purpose of a site tour:

1. I acknowledge and fully understand that a construction site is inherently hazardous and that in entering on the Site I will be subject to risk of serious bodily injury, property damage, permanent disability or death, and I voluntarily and knowingly assume all such risks.
2. I hereby exculpate, release, remise, waive and forever discharge Tacoma Narrows Constructors (TNC), the State of Washington Department of Transportation (WSDOT) and their parent companies, their directors, shareholders, agents, officers, employees, successors and assigns (collectively "Tacoma Narrows Bridge Project"), from any and all responsibility for any conditions or hazards on the Site and from any losses, damages, liabilities or claims whatsoever arising on account of or in any way resulting from my entry or presence on the Site, regardless of cause and whether or not caused or alleged to be caused in whole or in part by the negligence of Tacoma Narrows Bridge Project, or otherwise.
3. I agree to indemnify and to hold harmless Tacoma Narrows Bridge Project from and against any and all claims or liability arising out of or relating to my entry or presence on the Site.
4. I agree to follow all safety rules and directions applicable to the Site including but not limited to those on the other side of this Release.

I HAVE READ THE ABOVE RELEASE AND UNDERSTAND THAT I HAVE GIVEN UP SUBSTANTIAL RIGHTS BY SIGNING IT.

Signed By Requestor Company Date

Printed Name:

Authorized Access Period Date: _____ from _____ to _____

Authorized By TNC: Date: _____

Release Form 2

RELEASE DEPARTMENT OF TRANSPORTATION

I, _____, AGREE TO RELEASE THE state of Washington and the WSDOT, their employees, officers, and directors, from any claims I may have for liability resulting from any injury or damage sustained as a result of participation in the tour of the Tacoma Narrows Bridge.

(Signature)

(Date)