



The Official

Newsletter

of the Oregon Section Association of Engineering Geologists

Serving Professionals in Engineering, Environmental, and Groundwater Geology

JAN. 2005 SECTION MTG JOINT WITH ASCE GEOTECH

GUEST: GLENN BOYCE, P.E., PH.D., PARSONS BRINCKERHOFF

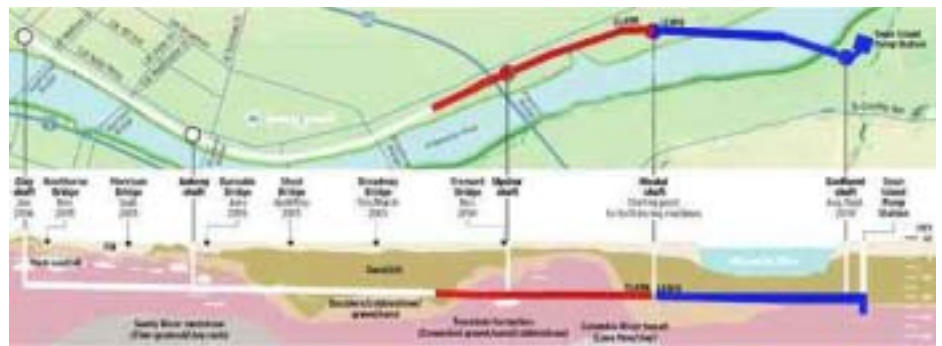
PRESENTATION: West Side CSO Tunnel, Shafts, Pump Station, & Pipeline Project

The City of Portland Bureau of Environmental Services (BES) is currently undertaking the \$293 million West Side Combined Sewer Overflow Project that involves construction of:

- 18,162 feet of 14-foot-diameter storage tunnel
- 10,600 feet of 72" and 84" micro-tunneled feeder pipelines
- 220-mgd pump station

This project is an effort to obtain a 94% reduction of sewer overflows to the Willamette River. The presentation will highlight construction. Some of the new innovations incorporated in the design and by the contractor include:

- Use of two slurry mix-shield tunnel boring machines
- Use of two different pre-cast segmental liner designs
- Slurry wall shaft construction
- Wet excavation of the shafts
- Microtunneling with one machine for 3 different diameters
- Excavation in soft ground of the 135-foot diameter, 160-foot deep pump station shaft (one of the largest soft ground excavations ever completed)
- Use of jet grouting to a depth of 300 feet for ground water cut-off



Glenn Boyce is a geotechnical/tunnel engineer with Parsons Brinckerhoff and Project Manager for BES's Design Consultant Team. Glenn has been involved with the project since preliminary design and continues to provide design support

services during construction. Glenn has over 20 years of tunnel design and construction experience. He has a BS and MS from Drexel University and a PhD from University of California, Berkeley.

This Month's Meeting is on Tuesday January 18

Madison's Grill & Catering

1109 SE Madison Ave.

Portland, OR 97214

(503.230.2471)

Banquet room entrance is east of the restaurant entrance

Parking lots:

Main: south side of restaurant

Extra: SE 12th & Salmon

6:00 pm Social

7:00 pm Dinner

8:00 pm Presentation

\$25.00 dinner (\$12.50 for students)

Wild Coho Salmon, mashed potatoes
roasted seasonal vegetables, green
garden salad

Call 503-639-3400, or email
<glenda.christman@amec.com>
with "AEG Reservations" in the
subject line, by 4 pm Thurs. Jan. 13.
There is a \$2.00 surcharge for those
who do not reserve by the deadline,
so call now!

MESSAGE FROM THE CHAIR

This month Glenn Boyce, Project Manager of the Parsons Brinckerhoff Design Team for the West Side CSO Tunnel project will speak for the joint ASCE/AEG gathering. It should be an interesting presentation as there were several “ground improvements” implemented during the tunneling. Dave Scofield is trying to arrange a field trip into the tunnel at a later date so keep watching for more information on that.

Ruth Wilmoth has agreed to take the Membership Chair position which was vacated when Matt Brunengo took the Treasurer position. Those of you who are not members may be hearing from her

regarding the many advantages of membership. I urge you to support the organization.

We are starting the nomination process for next years officers, i.e. we are looking for a strong candidate(s) for Treasurer of the Oregon Section. This is a five year commitment as you rotate through the positions of Treasurer, Secretary, Vice Chair, Chair, and Past Chair. I think anyone who has worked on the board will tell you it is a rewarding experience, and the current board is a great group to work with. Many of our former Oregon Section officers have continued, or are continuing, to work with the local

and the national AEG organization. Both the Oregon Section and the national require strong volunteer support from our profession to keep the programs going. I have found the time commitment manageable, certainly not overwhelming, and the work gratifying. If you are interested, or if you know individuals whom you would like to “nominate”, please talk with myself, Brent Black (next year’s Chair), or any other section officer.

I hope you all had an enjoyable break over the Holidays. See you at Madison’s.

Rowland French
AEG Oregon Section Chair

Images of West Side CSO:



NEWS ITEMS

2005 AEG Annual Meeting

Plan to attend the 2005 AEG Annual Meeting - "Under the Neon" in Las Vegas, Nevada, September 17 - 25! For more information log on to www.aegweb.org. Abstract deadline is May 1, 2005.

Membership Renewals

We keep getting reminders from Becky Roland at AEG headquarters that many of you have not yet renewed your membership for 2005. Please, if you haven't already done so, don't put it off any longer. You can renew through the website, www.aegweb.org, Log in (if you can remember your UserID and password, they are on your membership card) and click on *member renewals*. Your twenty dollars in Oregon Section dues comes back to us to support our programs and the student scholarships which the section awards every year.

AEG Section and Student Chapter Support Committee

In response to the member survey conducted in January 2004,

AEG has formed a Section and Chapter Support Committee (S/CSC) to develop new methods to actively assist Sections and Chapters and their programs. This is a key component of the Strategic Plan recently approved by your Board of Directors. The S/CSC will work to address Goal II of the Strategic Plan. You can review the Strategic Plan goals in the June 2004 issue of AEG News, Vol. 47, No. 2. The committee consists of 10 people from AEG Sections and Chapters throughout the country. Ruth Wilmoth (Columbia Geotechnical) is on the committee, and Drew Harvey (PBS Engineering and Environmental) is serving as committee chair. Two immediate tasks have been initiated: 1) Developing a clearinghouse of program information to give Sections and Chapters ideas for speakers and presentations, and 2) Developing training/orientation programs for chairpersons and officers both in their work as a Board member and roles within their sections.

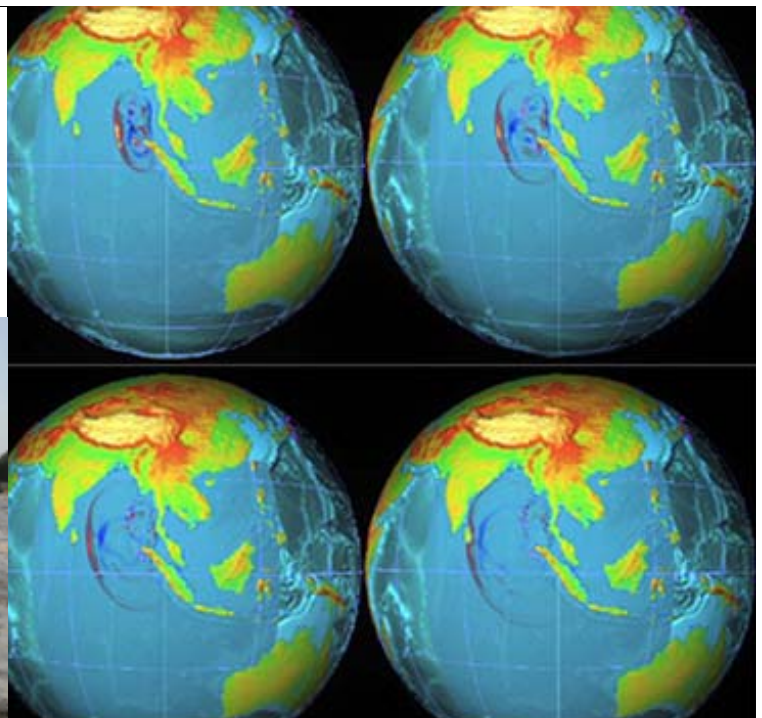
The S/CSC is in the process of talking with all Section and Chapter chairpersons to get information on their successful programs, meetings, speakers and other events, and their use of officer duty guidelines. The S/CSC welcomes any input from present and past Section officers, and any other members, in helping the committee do our best in addressing these first goals. Please feel free to contact Drew Harvey at (503) 417-7693; andrew_harvey@pbsenv.com

AEG Oregon Section Website Seeks Sponsors:

The Board is pleased to announce the opportunity for corporate sponsorship of our Oregon Section website <www.aegoregon.org>. Companies can have their name, logo, and link to their website displayed on the Oregon Section website for a nominal fee of \$100 per year. Benefits of sponsorship include high visibility within the AEG community and support of the AEG section. Email George Freitag (gfreitag@gri.com) if inter-

TSUNAMI URL'S

- Videos: <http://www.asiantsunamivideos.com/>
- Satellite images: http://earthobservatory.nasa.gov/NaturalHazards/natural_hazards_v2.php3?img_id=
- Pictures: <http://www.theaustralian.news.com.au/>
- Education pays: <http://www.nypost.com/news/worldnews/37579.htm>



AEG OREGON CALENDAR

Feb 15: Ryan Shelby, Geo-Tech Explorations, Drilling Methods

Mar 22: Matt Rea, US Army Corps,

Willamette River Basin Management

Apr 19: Student Night at PSU

May 17: Jeff Keaton, subject TBA

Sept. 17-25: 2005 AEG Annual Meeting - "Under the Neon" in Las Vegas, Nevada, Abstract deadline: May 1, 2005.

THANKS FOR SUPPORTING OREGON AEG!

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PSI, Inc.
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OREGON SECTION OFFICERS & COMMITTEE CHAIRS



Chair: Rowland French, Northwest Geophysical Associates, Inc., (541)757-7231, rowland@nga.com



Chair-Elect: Brent Black, Cornforth Consultants, Inc., (503)452-1100, bblack@cornforthconsultants.com



Secretary: Michael Zimmerman, GRI, Inc., (503) 641-3478, mzimmerman@gri.com



Treasurer: Matt Brunengo, (503) 534-0414, mbrunengo@aol.com



Past-Chair: Warren Krager, PSI, Inc., (503) 978-4727, wkrager@aol.com

PSU Student Chapter

President: Hiram Henry, hiramhenry@hotmail.com



Program Co-Chair: Julie Griswold, griswold@pdx.edu

Program Co-Chair: Lisa Glonek, AMEC, lisa.glonek@amec.com

Membership Chair: open



Field Trip Chair: Dave Scofield, Portland District COE, (503) 808-4867, scofield@onemain.com

History Chair: George Freitag, GRI, Inc., (503) 641-3478, gfreitag@gri.com



Newsletter Editor: Charlie Hammond, Cornforth Consultants, Inc., (503) 452-1100, or.aeg.news@cornforthconsultants.com



Assistant Newsletter Editor: Darren Beckstrand, Cornforth Consultants, Inc., (503) 452-1100, dbeckstrand@cornforthconsultants.com

Legislature Chair: Dorian Kuper, Kuper Consulting, Inc., (503)638-9722, dkuper@cybcon.com



Continuing Ed. Liaison: Andrew Harvey, PBS Environmental, andrew_harvey@pbsenv.com

OREGON SECTION AEG NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Section or other Sections, and other interested people who have requested and paid a local subscription fee of \$10.00. Email sub-

scriptions are free.

News items are invited and should be sent to: Charlie Hammond, OR Section AEG Newsletter Editor, Cornforth Consultants, 10250 SW Greenburg Road, Portland, OR 97223, email: <or.aeg.news@cornforthconsultants.com>,

phone (503) 452-1100. Electronic media is preferred. Deadline for submittal is Friday three weeks before each meeting.

Please notify Charlie if you have a change to your email or mailing address.