



Tacoma/Olympia Section Civil Engineer THE NEWSLETTER

APRIL 2009

Completing Sound Move: D-to-M Streets Sounder Commuter Rail Connector

This presentation will outline regional transit improvements designed and constructed with Sound Move funding in the Tacoma-Pierce County area. The **D-to-M Streets rail connector project**, now in final design of its 1.2 miles of track and roadway improvements is the last project needed to extend Sounder commuter rail service to South Tacoma and Lakewood.

The regional transit system supports economic activity and development throughout the Puget Sound tri-county area. Of special interest to Pierce county residents is a developing sense of a South Sound region stretching between

Tacoma and Olympia that will be dependent on a variety of transportation modes for regional mobility.

Within Tacoma's Dome District and Hillside Neighborhood interest has been high in the specifics of the rail alignment and the design of bridges and roadways. Competing visions for this area of the city have generated extensive discussions amongst community members, elected officials, and the Sound Transit design team. Design has been the vehicle for resolving conflicts amongst competing interests and developing a vision for the Pacific Avenue/South Tacoma Way area that has received endorsement by the Tacoma City Council. ●

April Dinner Meeting

Tuesday, April 14th

Ben Dew's Clubhouse Grill

6501 6th Ave
Tacoma, WA 98406

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

MENU: Buffet with pasta entress, rolls, choice of salad or soup and soft drinks

Cost: \$25 per person
students half/price. Cash or checks payable to ASCE are accepted.

RSVP: Contact Kay Hoke at khoke@cityoftacoma.org or 253.591.5760 by Friday, April 10th.

Speaker

Mark Johnson, AIA,
Sound Transit

As an architect developing and managing transit infrastructure projects in Sound Transit's Sounder commuter rail and ST Express regional express bus programs, **Mark Johnson**, also works with the agency's transit-oriented development group. He played a formative role in developing Sound Transit's 2006-08 Sustainability Initiative, resulting in the agency receiving ISO 14001 certification this year, the sixth US transit agency to be so recognized. A designer and architect for more than 25 years, Mark's portfolio has emphasized projects influencing the public realm. He received his BA in Art History from Reed College and his Master of Architecture from the University of Oregon. ●

President's Corner with Jason Moline



Jason Moline has worked for the City of Tacoma for the past six years. He is currently a Professional Engineer for the Supply section of Tacoma Water. He holds degrees in Civil Engineering from

Stanford (MS '02) and the University of Washington (BS '01).

In January, I wrote about communicating what we do to help bring future engineering professionals into our field. Accordingly, I would like to point out the David Macaulay exhibition currently at the Tacoma Art Museum. The work on display includes drawings from David Macaulay's books "*Cathedral*" and "*Mosque*". His illustrations make engineering principles accessible to children and adults. Lyle Stone, one of our section directors, sum-

marized the appeal of Macaulay's books at a recent section board meeting by saying, "David Macaulay's book '*City*' is one of the reasons I'm a civil engineer."

David Macaulay also hosted the 5-part PBS series "*Building Big*", which was sponsored in part by ASCE. Focusing on five major types of construction integral to modern life—bridges, domes, skyscrapers, dams and tunnels—this series shows viewers the inner workings of big structures and what it takes to build them, as well as the challenges faced by builders throughout history. The companion book for this series was distributed by our section to local middle schools a few years ago.

I have included a news release with more information about the exhibition and associated events later in this newsletter. If you know anyone

who might be interested in becoming a civil engineer, I encourage you to take them to see the exhibit or go hear David Macaulay speak.

Regards,

Jason Moline

2008-2009 Tacoma/Olympia
Section President ●

The following information is reprinted with permission from the Tacoma Art Museum

About David Macaulay

Books by visual storyteller David Macaulay are known for demystifying "*the workings and origins of objects as mundane as a stapler and as monumental as a cathedral,*" according to the John D. and Catherine T. MacArthur Foundation. "*Macaulay's elegant drawings, wry humor, and clear descriptions of the simplest and most complex structures and machines are sophisticated and entertaining educational experiences for both children and adults.*"

Macaulay's books have sold more than three million copies in the United States alone. *The Way Things Work* was on the New York Times bestseller list for 50 weeks. Macaulay's many awards include the Caldecott Medal and Honor Award, the MacArthur Fellowship, the Boston Globe-Horn Book Award, the Christopher Award, and the Washington Post-Children's Book Guild Nonfiction Award. He was a two-time nominee for the Hans Christian Andersen Award and received the Bradford Washburn Award, presented by the Museum of Science in Boston to an outstanding contributor to science. To learn more, visit www.davidmacaulay.com.

Community Programming support provided by Target, The Greater Tacoma Community Foundation, and The Paul G. Allen Family Foundation.

Tacoma Art Museum connects people and builds community through art. The museum serves the diverse communities of the region through its collection, exhibitions, and learning programs, emphasizing art and artists from the Northwest. The museum's five galleries display an array of top national shows, the best of Northwest art, creatively themed exhibitions, and historical retrospectives. In addition, there is an Education Wing for children, adults, and seniors with an art resource center, classroom, and studio for art making. Tacoma Art Museum is located in Tacoma's Museum District, near the Museum of Glass, the Washington State History Museum, and historic Union Station.

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

The following information is reprinted with permission from the Tacoma Art Museum

NEWS RELEASE

March 17, 2009

Media Contact: Paula McArdle, 253.272.4258 x3026, PMcardle@TacomaArtMuseum.org

Beloved Author and Illustrator, David Macaulay, Makes Rare Appearance During Tacoma Art Museum's Free Community Festival

(Tacoma, WA) – **David Macaulay**, award-winning author and illustrator of *The Way Things Work* and *The Way We Work*, will speak about his creative process **April 19** as part of a free community festival at Tacoma Art Museum.

The presentation is in conjunction with **David Macaulay: The Way He Works**, on view at the museum through June 14. The exhibition follows the author's process, from sketch to finished book, including breakthroughs and wrong turns. It includes working drawings, source materials, models, and completed illustrations.

Community members are invited to the museum from noon to 5 pm Sunday, April 19, to participate in a variety of collaborative and individual art activities with local artists. Museum admission is free during the festival.

At 1:30 pm at the University of Washington Tacoma's William W. Philip Hall, Macaulay will present *Winding Roads and Dead Ends*, a lecture in which he will discuss his ideas and process. Tickets for this lecture are \$10 for general admission, \$5 for students and museum members, and free for youth 18 and younger. Following the lecture, Macaulay will be at Tacoma Art Museum to participate in the community festival and sign copies of his books.

During the festival, museum visitors can learn drawing with silverpoint from Linda Hutchins, a Portland-based artist who received The 9th Northwest Biennial Juror's Choice Award. Local artists Ellen Ito and Jeremy Mangan will construct cardboard sculptures that visitors can tag with their drawings. Other activities include a break dance and urban arts demonstration by Fab-5, music by DJ Pana, a performance by Metro Dance, chalk art on the plaza, and other hands-on art making experiences.

Those who bring a new children's book to donate will be entered to win prizes, including a book signed by David Macaulay. Books will go to Page Ahead, which provides new books for children and promotes reading activities for youth and families.

Schedule of Festival Events

Noon and 2:00pm	Break Dance and Urban Arts Demonstration with Fab-5
1:00pm	Drawing with Silverpoint with The 9th Northwest Biennial Artist Linda Hutchins
1:30pm	Winding Roads and Dead Ends: David Macaulay Discusses His Ideas And Process at University of Washington-Tacoma
1:30pm	Three-Dimensional Drawing with Artists Ellen Ito and Jeremy Mangan
3:00pm	Book Signing with David Macaulay
3:30pm	Metro Dance Performs Creation
Ongoing	Music with DJ Pana, Hands-On Art Activities, and Chalk Art on the Plaza

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Tacoma Art Museum

HOURS Tuesday—Saturday 10:00am – 5:00pm, Thursday 10:00am – 8:00pm, Sunday 12noon – 5:00pm.

ADMISSION Adult \$7.50, Student/Military/Senior (65+) \$6.50, Family \$25 (2 adults and up to 4 children under 18). Children 5 & under free. Third Thursdays free. Members always free.

CONTACT 253.272.4258 www.TacomaArtMuseum.org
info@TacomaArtMuseum.org

The following is a paid advertisement.

STORMWATER MANAGEMENT SEMINAR

Wednesday, April 15th, 2009

Hilton Bellevue

300 112th Avenue SE, Bellevue, WA 98004 425-455-1300

Sharpen your skills and enhance your knowledge of ADS/Hancor products. This seminar is perfect for design engineers, consulting engineers, architects, planners and municipal officials.

SESSIONS WILL COVER THE FOLLOWING:

- Water Quality Improvement Structures (BaySeparator® / BayFilter®)
- N-12® HP Pipe
- Retention/Detention Systems using N-12 Pipe and StormTech® Chambers
- Nyloplast® Drainage Structures
- Geotextiles (SecuGrid®)

Please **RSVP** by **April 8, 2009** to Nicole Tompkins at nicole.tompkins@ads-pipe.com

Advanced Drainage Systems, Inc.

www.ads-pipe.com

Hancor, Inc.

www.hancor.com

ASCE Conferences

Your gateway to the newest technical information in your field.

- ◆ Meet new colleagues.
- ◆ Guide the future of the profession
- ◆ Earn CEUs and PDHs.
- ◆ Gain valuable insight to the newest breakthroughs in your profession.

These are just a few of the conferences you can attend in 2009:

Structures Congress 2009

April 30 – May 2, 2009

Austin, TX

2009 Offshore Technology Conference

May 4 – 7, 2009

Houston, TX

World Environmental & Water Resources Congress 2009

May 17 - 21, 2009

Kansas City, Missouri

Automated People Movers 2009

May 31 – June 3, 2009

Atlanta, GA

2009 Triennial Conference - Coastal Engineering: Future Challenges and Risks

June 1 - 2, 2009

St. Johns, Newfoundland

2009 ASCE International Workshop on Computing in Civil Engineering

June 24 - 27, 2009

Austin, TX

Joint 2009 ASCE-ASME-SES Conference on Mechanics and Materials

June 24-27, 2009

Section Coins Available for \$10

The Tacoma/Olympia section coin is available for sale and as a gift to our speakers. The coins are antique brass featuring our section logo on the front and room for engraving on the back. To obtain a coin for your collection, contact a board member or attend a section meeting, where they will be for sale for \$10.00 each.



See Your AD Here!

Advertise in our newsletter! Post your advertisement in our newsletter for the following rates:

One time, 1/8 page - \$50

One year, 1/8 page - \$200

One year, 1/4 page - \$250

One year, 1/2 page - \$400

One year, full page - \$500

Interested? Contact:

Jason Moline... 253.396.3383
jmoline@cityoftacoma.org

SECTION CALENDAR and ENGINEERING RESOURCES



Section Calendar

Tacoma/Olympia
ASCE Section
Meetings/Activities

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

Tuesday, May 12, 2009 – Dinner in Tacoma – Lake Tapps Water to Bellevue

June-August 2009 – Summer recess

Wednesday, September 16, 2009 – Dinner with Structural Engineers Association of Washington (SEAW)

Tuesday, October 13, 2009 – Dinner in Tacoma

*DATE/TIMES/LOCATIONS TO BE
ANNOUNCED/VERIFIED

Tacoma/Olympia ASCE Board Meetings:

Local Board Meetings are open and generally held the first Monday of the month at 5:30pm. Locations vary. Please check the WEB site, this calendar, or contact the president for confirmation.

Younger Member Forum Activities And Update

Younger Member Newsletter

www.asce.org/inside/cym_pubs.cfm

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

Continuing Ed

For scheduled seminars in your geographic area are available on ASCE's website at www.asce.org/conted/seminars.

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 posting information on these seminars in your newsletters and on your websites.

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.

TRANSPEED Courses

For a complete list of courses, visit the website at <http://www.engr.washington.edu/epp/Transpeed/index.html> for specific course descriptions and dates. Click on the specific course link to view the course outline.

or contact:

Julie Smith

Engineering Professional Programs

Phone: 206-543-5539

Toll-Free: 1-866-791-1275

2009 Professional Development Short Courses

For a complete description of the course and registration information visit our website

<http://www.engr.washington.edu> or call us at: Engineering Professional Programs, University of Washington, phone:

206.543.5539

(fax) 206.543.2352 or

(toll free) 1.866.791.1275

Stephanie Strom, Program Mgr:

ssstrom@u.washington.edu

Opportunities to Serve on the Board

The nominating committee is currently seeking new candidates for next year's board positions. Positions available include director (2-year term) and president-elect (that is, the person who will be president in 2010-2011). We understand everyone's time is limited and would be happy to work with whatever interest you have. Serving on the board is a great way to network and expand your skills. It is also a chance to learn about local projects and meet other engineers. Please contact one of the board members if you are interested.



Tacoma/Olympia Section Board 2008 - 2009

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

President

Jason Moline...253.396.3383

jmoline@cityoftacoma.org

President-Elect

vacant

contact any board member for info

Secretary

Don Davis...253.474.9449

DonDavis@sitts-hill-engineers.com

Treasurer

Morris J. "Gus" Fant...253.922.2332

fusgant@aol.com

Director

Lyle Stone...(...) ...-....

lstone@geoengineers.com

Director (2-year)

Bruce McDonald...253.830.5337

Region 8 Governor

Dale A. Nelson, P.E....509.280.9079

danelson@earthlink.net

Younger Member Chair

Brook Maples...

brookm@gmail.com

Past-President

Bernie Hargrave

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richardswanson@comcast.net



We're on the Web at

<http://sections.asce.org>