

# 2012 Western Regional Younger Member Council

## Technical Tours

### Port of Portland Headquarters



Recognized as one of the world's most high-tech green buildings by Forbes.com, the building was recently awarded LEED, Platinum Certification and has received numerous awards for its environmental features. The building features tried and true resource conservation measures, like using energy efficient lighting, materials from renewable or recyclable sources, and water efficient fixtures. It also relies on innovations like ground-source heating and cooling produced through a closed-loop system reaching 300 feet below the surface and a Living Machine® system, which recycles wastewater onsite for reuse in the building's toilets and cooling towers.

The 1720 ft. cable-stayed bridge with a main span of 780 ft. will carry light rail trains, buses, pedestrians and, in the future, streetcars but will not accommodate private vehicles. The newest edition to "Bridgetown" broke ground in the summer of 2011 and completed two temporary work bridges and cofferdams for construction of the tower foundations. 10ft. diameter shafts 150-170 ft. deep are being oscillated in by a special machine from the cofferdams.

### TriMet – Portland-Milwaukie Light Rail Bridge



**Portland State University** – "University Pointe at College Station is pursuing green building certification under the US Green Building Council's LEED rating system. Each characteristic of the building, including water efficiency, energy efficiency, materials/resource use, indoor air quality and site attributes will undergo a high level of scrutiny as part of this process. The end result will be a sustainable and efficient building that not only has a reduced carbon footprint, but also promotes health among its occupants and is sensitive to the local ecosystem."

**Portland Bridge Walk** - Led by Sharon Wood Wortman and Ed Wortman, authors of The Portland Bridge Book, and now at work on the first book about the local bridges for children, The Big & Awesome Bridges of Portland & Vancouver—A Book for Young Readers. Visit the Oregon Department of Transportation Region 1 bridge museum and Traffic Management Operations Center, and then tour the double-leaf bascule Burnside Bridge operator's tower and meet the bridge operator. Bridge mechanics and weather permitting, watch a test lift while standing mid-span or inside the bridge tower.

