



KNOXVILLE BRANCH

[www.asceknoxville.org](http://www.asceknoxville.org)

## PRESIDENT'S MESSAGE

Hello Members,

Thank you for entrusting me to lead our Knoxville Branch for the 2016-2017 year. It is an exciting time to be a civil engineer because of the many civil engineering projects currently underway. There is a lot of focus on our country, state and local declining infrastructure. Many of these problematic situations are drawing a lot of national attention to our profession. For instance, consider a California dam's spillway failing threatening hundreds of thousands of residents, the local headlines of major threats being found in Tennessee's dams, and the Flint, Michigan's water system, those are all recent issues that are highlighting the infrastructure problems in this country. Nothing demonstrates it better than the recently released report card on Tennessee's and the United States infrastructure. (The report can be found at [www.infrastructurereportcard.org](http://www.infrastructurereportcard.org).)

The report card can be compared to a personal annual physical. We go to the doctor for a series of tests and examinations to receive results of our current well-being. While most of us aren't in perfect health, we look at the diagnosis and say, "What do I need to do better?" The main reason for this yearly physical is to find areas of concern before they become serious problems, which may require significant effort to fix. We would much more rather watch our diet, take blood pressure medicine, or whatever is prescribed now as to end up in the emergency room with cords and tubes attached to us later.

This past fall, we received our "physical" on the state's infrastructure. While an immediate hospital trip may not be needed, corrective measures do need to be taken to head problems off now instead of waiting on that huge "hospital" bill to come later due to some major collapse. You know what the old-timers use to say, "A stitch in time saves nine." So, we need to urge our federal, state, and local governments to save nine stitches by acting now instead of later.

Of course, this is not as easy as just asking; they have hundreds of people seeking money, and practically everyone is not wanting taxes to be raised. But as engineers, it is our duty to protect the welfare of the public, so, I am asking you to speak to your legislators. Ask them to strongly consider the necessity of our infrastructure and the importance it plays in our lives. Let's correct this now before we end up lying flat on a table with people leaning over us, charging a bunch of money, and asking "how do we feel." Please accept this task as we enter this challenging and exciting time in Civil Engineering. The other branch officers and members are also here to work with you to help you further the mission of safe public infrastructure and competent engineering.

Sincerely,

David Matlock

## BRANCH'S WEBSITE

The Knoxville branch of ASCE has a website in which you can get the most up to date ASCE happenings of the local, state and national organization. Please check it out at [www.asceknoxville.org/](http://www.asceknoxville.org/)

## BRANCH ACTIVITIES

A tour of **Neyland Stadium** was conducted on October 25, 2016. It was hosted by UT, and representatives from Ross Bryant (Structural Engineers) were there to inform us on the technical aspects of the structure. It was well attended with over 65 engineers and students taking the tour. The tour included the fashionable aspects of the facility such as the locker room, media complex as well as getting to see the "inter bowels" of the stadium. Everyone was excited to see parts of the stadium that most never get the chance.



November 8th, 2016 we join with the **Tennessee Valley Post of the Society of Military Engineers (SAME)** to hear speaker will be Lt. Col. Stephen F. Murphy commander of the US Army Corps of Engineers Nashville District. Col. Murphy's gave an overview of the Corps of Engineers organization and detailed the significance of the Nashville District as it relates to navigational waterways of the Tennessee and Cumberland rivers. Lt. Col. Murphy will spoke about the current projects in the Nashville District that included the locks at the Chickamauga Dam which is of great interest to the upper Tennessee Valley.



December 13th, we held a meeting at the newly open office building for Knoxville's Engineering Department. Jon Linvengood with the city gave a presentation on alternative transportation with the main emphasis on bicycle traffic. Jon spoke about various design methods to include bicycles into traffic patterns reducing conflicts between bicycles and motorized vehicles. Also, the Knoxville branch invited Paul Laudman with Kickstand Knoxville to discuss this organization's mission. Kickstand Knoxville takes used bicycles, rehabilitates them and then gives them to the needy of Knoxville. **Our branch donated 7 "gently used" bicycles and \$260 to this organization.**



## Concrete Canoe

SEC ASCE Student Conference is March 16-18 in Boca Raton, Florida. Our student chapter is working hard to get ready for it, and are really excited for this year. The pictures show the students working on this year's concrete canoe. Its name is Ayers and it has daisies in the design because that is how UT got it's orange color - from someone seeing daisies on the top of the hill where Ayres Hall is now located. We'll get a report on how the students did at conference when we have our joint meeting with them on April 17. We hope everyone can come out for this fun event!



# JOB POSTING

<b>Requisition ID</b>	18465BR
<b>Job Title</b>	Civil Engineer 5-Transportation
<b>Job Site Location</b>	Tennessee - Knoxville
<b>Home Office Location</b>	Knoxville, TN
<b>Why CDM Smith?</b>	CDM Smith provides lasting and integrated solutions in water, environment, transportation, energy and facilities to public and private clients worldwide. As a full-service consulting, engineering, construction, and operations firm, we deliver exceptional client service, quality results and enduring value across the entire project life cycle.
<b>Job Description</b>	<p>As a member of this team, you would contribute to CDM Smith's mission by:</p> <ul style="list-style-type: none"><li>-Working as a key team member and project manager on smaller, diverse transportation projects</li><li>-Performing roadway design and roadway drainage design on urban highway improvement projects</li><li>-Design and Plans will be prepared with the aid of Microstation and Geopak</li><li>-Mentoring junior design staff</li><li>-Actively participating or assisting in new business development by contributing to strategic planning, marketing, and business operations planning</li></ul>
<b>Minimum Qualifications</b>	<p>A successful CDM Smith candidate will have:</p> <ul style="list-style-type: none"><li>-B.S. Civil Engineering</li><li>-7+ years of experience since B.S. with at least 2 years' experience in transportation project management</li><li>-Registration as a licensed P.E.</li><li>-Excellent written and oral communication skills</li></ul> <p>Preferred Qualifications</p> <ul style="list-style-type: none"><li>-Strong preference for candidates familiar with TDOT requirements and procedures</li><li>-Erosion control plan development experience</li></ul>
<b>Assignment Category</b>	Fulltime-Regular
<b>Amount of Travel Required</b>	10%
<b>EEO Statement</b>	We attract the best people in the industry, supporting their efforts to learn and grow. We strive to create a challenging and progressive work environment. We provide career opportunities that span a variety of disciplines and geographic locations, with projects that our employees plan, design, build and operate—as diverse as the needs of our clients. CDM Smith is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, or protected veteran status.

To apply please email your resume to [schroedermk@cdmsmith.com](mailto:schroedermk@cdmsmith.com) or visit this link; <https://sjobs.brassring.com/TGWebHost/jobdetails.aspx?partnerid=25038&siteid=5220&Areq=18465BR>

**SAVE  
THE  
DATE**

# SIX MONTH LOOK AHEAD



## FEBRUARY

- Annual TSPE Banquet: Thursday, **February 23**.
- Engineer's Week **20-25**

## MARCH

- Student Cookout **March 6th**, 12:20-1:10pm @ UT's John D. Tickle Engineering Building. RSVP to [kgrisso2@vols.utk.edu](mailto:kgrisso2@vols.utk.edu)
- SEC ASCE Student Conference is **March 16-18** in Boca Raton, Florida
- 8-Hour Continuing Education Seminar: **March 31** at Buddy's Banquet Hall in Knoxville - Registration begins March 1st.

Topics:  
Management,  
Geotechnical,  
Transportation,  
Structural, Ethics,  
Environmental.

## APRIL

- **April 17th:** UT ASCE Student Chapter/ASCE Knoxville Branch Joint Meeting; John D. Tickle Building. Parking will be provided.

## MAY

- McGee-Tyson Airport field trip

## JUNE

- June 20th: Bearden's Banquet Hall, Dr. Edwin Burdette



## JULY

- ASCE Annual Golf Tournament

**SAVE THE DATE**  
September 27th- 29th:  
Tennessee Engineer's  
Conference; Music City  
Center, Hyatt Place Hotel