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7	3				1			

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Introductions:

- Practitioner Advisors: Dave Karnowski
Peter Clark
- Honorary Lifetime
Contact Member: Bob Thorn
- Faculty Advisors: Dr. Hossain
Dr. Riding

Officer Reports:

- President: Jessica Hennes
- Vice President: Jennifer Sommerfeld
- Treasurer: Xinchu Zhang
- Recording Secretary: Adam Emerson
- Corresponding Secretary: Taylor Smith
- Newsletter Editor: Jessalyn Fisher
- Historian: Carl Peterson
- Student Council Rep: Cole Turner
- Freshman/Sophomore Rep: Schyler Rohleder
- Graduate Student Rep: Gus Wuertz
- Activities Chair: Casey Mahoney
- Special Projects Chair: Walter Hicks
- Webmaster: Ryan Scott
- Steel Bridge Chair: Rachel Spicer
- Concrete Canoe Chairs: Jenny Swabb
Brianna Kryzstof
- Open House Chairs: Cale Armstrong
Don Powers
Vince Studer

Agenda:

- Announcements: Jessica Hennes
- Introduction of Speaker: Jennifer Sommerfeld
- Speaker: Catherine Patrick, P.E



Speaker Profile

Catherine Patrick, P.E. -

Catherine has been with the Kansas Department of Transportation for 22 years. She earned a Bachelor of Science degree in Civil Engineering from Kansas State University. She spent the first 15 years with KDOT in field construction in the Kansas City metro area. Since then she has held various positions for KDOT in the Topeka area. Catherine is currently the Director of Operations over Construction & Maintenance activities for all districts in the state of Kansas. She has held this position since 2007. She lives in rural Tonganoxie with her husband, Don, and they have two children.

ASCE Building Profile



John Hancock Tower

The John Hancock Tower, officially named Hancock Place and colloquially known as The Hancock, is a 60-story, 790-foot skyscraper in Boston. The tower was designed by Henry N. Cobb of the firm I. M. Pei & Partners (now known as Pei Cobb Freed & Partners) and was completed in 1976. It has been the tallest building in Boston for more than 30 years, and is the tallest building in New England.

The building was a much-anticipated landmark from the country's most respected design firm, but has been more notorious for its engineering flaws than for its architectural achievement. Its opening was delayed from 1971 to 1976, and the total cost is rumored to have rocketed from \$75M to \$175M. It was an embarrassment for the firm, modernist architects, and the architecture industry. During the excavation of the tower's foundation, temporary steel retaining walls were erected to create a void on which to build. The walls warped, giving way to the clay and mud fill of the Back Bay which they were supposed to hold back. The building's upper-floor occupants suffered from motion sickness when the building swayed in the wind. To stabilize the movement, contractors installed a device called a tuned mass damper on the 58th floor: Two 300-ton weights sit at opposite ends of the 58th floor of the Hancock. Each weight is a box of steel, filled with lead, 17 feet square by 3 feet high. Each weight rests on a steel plate. The plate is covered with lubricant so the weight is free to slide. But the weight is attached to the steel frame of the building by means of springs and shock absorbers. When the Hancock sways, the weight tends to remain still, allowing the floor to slide underneath it. Then, as the springs and shocks take hold, they begin to tug the building back. The effect is like that of a gyroscope, stabilizing the tower.

Officer Contacts

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Don Powers – *dlpowers@ksu.edu*

Vince Studer – *studerv@ksu.edu*

8	2	3	5	7	9	6	4	1
9	7	6	2	1	4	5	8	3
4	1	5	8	3	6	7	9	2
5	4	9	1	8	7	3	2	6
3	8	7	6	9	2	4	1	5
1	6	2	3	4	5	9	7	8
6	5	4	9	2	8	1	3	7
2	9	1	7	6	3	8	5	4
7	3	8	4	5	1	2	6	9

Sudoku No. 48677

Important Information

FE Review manuals are available for purchase for \$75 each. Contact any officer if you are interested in purchasing the manual.

Students must become national members to receive credit for ASCE Student Membership. Registration is free and can be done online at <http://www.asce.org/>. Click "login" at the top of the page, then click "click here to create one" and follow the instructions to become a national member.

Scholarship and Internship Opportunities:

Mid West Concrete Scholarship, Due April 30

Applications available in CE office or at www.mcibconcrete.org

KS APWA Steve Webb Memorial Scholarship, Due May 1

Contact Person: Bob Stokes

KS American Water Works Association Scholarship, Due July 27

Contact Lester Estelle at lestelle@olatheks.org

Internship with Delta Companies

www.deltacos.com

Internship with Riley County Engineering Division

www.rileycountyks.gov

Schedule

February 23 – **Assembly: Catherine Patrick, P.E. from KDOT (Fiedler Auditorium)**

March 8 – **Assembly: Senior Presentations (Fiedler Auditorium)**

March 19-23 – **Spring Break**

March 29 – **Assembly: Ryan Chancey from Nelson Architectural Engineers**

April 5 – **Joint Dinner (KU)**

April 12 – **Picnic (City Park)**

April 14 – **FE Exam**

April 20-21 – **Open House & Regional Competitions**

April 26 - **Assembly: Elections & Senior Projects**