Registration

When: Thursday, September 14, 2017, 1:00 PM - 9:45 PM (Central Time)
Where: Wharton Civic Center, 1924 N. Fulton Street, Wharton, TX 77488

Schedule:
- 1:00 PM - 4:45 PM - Short Course
- 5:00 PM - 6:15 PM - BBQ Dinner
- 6:30 PM - 9:45 - Site Tour (Bus)

PDH Credits: 6.5

Please register me:
- Regular $125 (to 8/31/17)
- Late $150 (after 8/31/17)
- Student: Regular $65  Late $80

Name: ________________________________________________________________

Organization: __________________________________________________________

Address: ________________________________________________________________

Phone: ________________________________

Email: ________________________________

- Check enclosed (payable to Cement Council of Texas)
- Credit Card:
  - Visa  - MC  - Amex  - Discover

CC #: ________________________________

Exp. Date: ___/___  Security Code: ______

Mail/Fax/Email:
Cement Council of Texas  Phone: 817-540-4437
1820 Harwood Court  Fax: 817-605-7259
Hurst, TX 76054  Email: aswift@cementx.org

More info and online registration:
www.cementx.org/soil-cement_lane_city

Organizers and Sponsors

This short course and tour is organized and produced by the Cement Council of Texas, in cooperation with the Lower Colorado River Authority (owner), Phillips and Jordan (contractor), and CH2M (engineer).

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Hurst, TX 76054
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Soil-Cement Slope Protection: Lane City Reservoir Short Course and Tour

Thursday, September 14, 2017
1:00 PM—9:45 PM (Central Time)
Wharton Civic Center
1924 N. Fulton Street
Wharton, TX 77488
Soil-Cement Helping to Secure Texas’ Future Water Supply

Texas is growing fast, and the state must develop water resources that keep up with drinking water, industrial, and irrigation demands. The Lower Colorado River Authority’s (LCRA) Lane City Reservoir is a large ongoing project that will increase the efficiency and reliability of the state’s water supply.

Five miles of stepped soil-cement are being constructed to protect reservoir slopes from wave action and wind. Several similar Texas reservoir projects plan to use soil-cement technology.

Construction Site as Classroom

This short course and tour is an unprecedented opportunity for engineers, agency planners, development professionals, and contractors to learn and see firsthand how soil-cement slope protection has been economically utilized for this key Texas reservoir. The training and site visit should be considered essential for companies and individuals engaged in this sector, because of planned reservoirs, as well as the State Water Implementation Fund for Texas (SWIFT, est. 2013) supporting $30 billion in projects over 50 years.

Attendees will learn about the history, benefits, and characteristics of soil-cement slope protection, design considerations for the Lane City project, and construction methods used. The course instructors are all seasoned industry experts who have been involved with the planning, design and construction of the Lane City Reservoir and similar facilities nationwide. Attendees will shuttle to the project site to observe ongoing nighttime construction operations.

Agenda

- Soil-Cement is Big in Texas: Lessons Learned Over the Years - Ken Hansen, P.E., FACI, FASCE, Consulting Engineer
- LCRA and the Lane City Reservoir - Gregor Forbes, LCRA
- Design of the Lane City Reservoir Soil-Cement Slope Protection - Dave Bentler, PhD, PE, Project Engineer, CH2M
- Construction of the Lane City Reservoir Soil-Cement - Gerry Arvidson, Vice-President, Phillips & Jordan
- Soil-Cement for Stream Bank Protection - Ken Hansen
- Future Projects in Texas and Questions - Panel
- Networking Dinner—Hinze’s BBQ
- Lane City Reservoir Tour (Busses Provided)

LCRA’s Lane City Reservoir

The Lane City Reservoir in Wharton County is the first significant new water supply in the lower Colorado River basin in decades. It features:

- Five miles of stepped soil-cement to protect the embankment from wave and wind erosion.
- An embankment that is 350 ft wide and 45 ft tall, with all of the sand for the soil-cement recovered from site excavation.
- Approximately 230,000 cy yd of site-manufactured soil-cement requiring 48,000 tons of cement.
- 3 ft tall concrete parapets on top of the embankment for overtopping protection during storms.
- Multiple gates for in/out flows, industrial irrigation pumps, and 50 inch diameter pipe to pump in water from the Colorado River.

Nighttime soil-cement construction at LCRA’s Lane City Reservoir