

## Seminar Agenda

8:30 am – 9:00 am: Registration

9:00 am – 9:10 am: Curtis Carroll  
*Opening*

9:00 am – 9:45 am: Al Hogan, P.E.  
*Infrastructure Resiliency, Sustainability and LEED Certification – A National Perspective*

9:45 am – 10:30 am: Tyson Hicks, P.E.  
*The Importance of Pipe Specifications*

10:30 am – 10:45 am: Break

10:45 am – 11:30 am: Byard Stevens  
*Reinforced Concrete Pipe Installation and Joints*

11:30 am – 12:15 pm: Toby McIntyre  
*Post Installation Inspection of Buried Pipe Systems*

12:15 pm – 1:15 pm: Lunch

1:15 pm – 2:00 pm: Jeffery P. Brown, P.E.  
*City of Fayetteville's NPDES Storm Water Program*

2:00 pm – 2:15 pm: Break

2:15 pm – 3:15 pm: Al Hogan, P.E.  
*Life Cycle Cost Analysis for Sustainability*

3:15 pm – 3:45 pm: Tyson H. Hicks, P.E.  
*Underground Detention Structures for NPDES Req.*

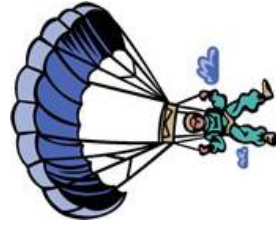
3:45 pm – 4:00 pm: Adjourn

Hosted By:

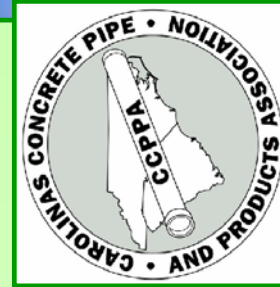


Place  
Stamp  
Here

Carolinas Concrete Pipe and  
Products Association  
PO Box 1673  
New Bern, NC 28563



*Drop on in!*



**“Tomorrow’s Green Infrastructure Today”**



April 23<sup>rd</sup>, 2009 • Fayetteville, North Carolina  
The Airborne & Special Operations Museum

## Seminar Information

For over 40 years the Carolinas Concrete Pipe and Products Association (CCPPA) has represented the concrete pipe and pre-cast concrete industries in the Carolinas. We are committed to sharing the latest technology and industry information with professionals through out the Carolinas.

If you are an civil engineer, project manager, regulator, construction inspector, landscape architect, designer, public works administrator or engineering student, the ACPA & CCPPA cordially invites you to attend the **CCPPA 501 Pipe Seminar**. This seminar is a must for individuals involved with storm water, sanitary sewer, roadway drainage, material testing, and buried asset management.

### Professional Development Hours (PDH)

Licensed Professional Engineers and Land Surveyors may claim up to **5.0 PDH Credits** for attending and participating. PDH certificates required to obtain credit with the South Carolina Board of Engineers and Surveyors will be provided at the close of the seminar. The ACPA and CCPPA are accredited by the North Carolina Board of Examiners for Engineers and Surveyors.

*\*It is the responsibility of each licensee to evaluate the course's content to determine if it had a clear purpose and objective which maintained, improved or expanded the skill and knowledge relevant to the licensee's field of practice.*

### Cost

The seminar cost per attendee is **\$35.00**. There is no charge for students. The cover charge includes: ACPA Reinforced concrete pipe Design manual on CD, handouts, design aids, continental breakfast, breaks, lunch and PDH certificate. Parking provided at the facility at no charge. Please remit check, made payable to the Carolinas Concrete Pipe and Products Association, and registration to:

### Carolinas Concrete Pipe and Products Association

PO Box 1673  
New Bern, NC 28563  
Phone: (252) 617-0757

## Presenters

**Jeffery P. Brown, P.E.** – Jeffery graduated from NC State University with a BS in Biological and Agricultural Engineering in 1997. He worked five years with the North Carolina Department of Environment and Natural Resources. Jeff has worked the past six years with the City of Fayetteville and currently serves as the City Engineer where he leads a talented group of staff engineers and technicians. Jeffery is a licensed Professional Engineering in North Carolina.

**Al Hogan, P.E.** – With over 25 years of experience in the highway construction, consultant engineering and concrete product industries, Al currently serves as the Eastern Regional Engineer for the American Concrete Pipe Association. Al holds a Bachelors of Science in Civil Engineering from Tennessee Technological University. Al has served on the ACPA Board of Directors and is Past Chairman of the Technical Committee. Al is a licensed Professional Engineer in Tennessee

**Tyson H. Hicks, P.E.** – Tyson has over 10 years of experience in the construction, engineering and concrete product industry. He holds a Bachelors of Science in Civil Engineering from the University of North Carolina at Charlotte. Tyson is a licensed Professional Engineer in NC, SC and TN. He involved with the ACPA Technical Committee and serves as Chairman of the CCPPA Technical Committee.

**Curtis Carroll** – Mr. Carroll has over 21 years of experience at various management levels in the concrete pipe and precast industry. Curtis started his career in manufacturing; managing production and quality control operations. Mr. Carroll has served as the CCPPA President.

**Byard Stevens** - Byard has over 20 years in the construction industry. Gaining experience in his fathers construction business early on in his career, he progressed through the ranks to Project Manager with a major general contracting firm. Byard is currently a Business Developer with Johnson Concrete Products; he works with a variety of associations promoting the proper use of concrete products.

**Toby McIntyre** – Toby has over 10 years in the construction and concrete pipe industry. He holds a Bachelors of Science in Construction Management from East Carolina University as well as a Land Surveying degree from Wake Technical College. Toby has extensive knowledge in pipe manufacturing and sales.

## Registration Information

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

License or Certificate No.: \_\_\_\_\_

For more information please call: (803) 936-0006

✂ Cut Here; return registration with payment

**April 23<sup>rd</sup>, 2009 • Fayetteville, NC**

### Airborne & Special Operations Museum

100 Bragg Blvd.  
Fayetteville, NC 28301  
Phone: (910) 643-2766

