



**ASHE**  
**Old Dominion**

*American Society of Highway Engineers  
Old Dominion Section*

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

**Peter James of CINTEC**  
**Innovative Bridge Strengthening System**  
**Thursday July 14, 2005**

A couple of years ago VDOT used an innovative approach to reinforcing a historic masonry bridge in Loudoun County using a "grouted anchor" technique. They were able to reinforce the bridge (built in 1820) without shutting down the road it carries (U.S. 50) or any significant reconstruction. A very successful project, the application of that approach was led by a company called CINTEC America.

Since the first Archtec project in 1998, CINTEC's innovative bridge strengthening system has become highly popular with state and local authority bridge engineers. To date some seventy bridges have been upgraded with Archtec in the United States of America, Australia and Europe.

CINTEC has already won four coveted awards: The Australian Engineering Excellence award for the conservation of Red Bridge Tasmania and in Great Britain two Historic Bridge awards to encourage excellence and innovation in historic bridge conservation and the Engineering Council's award for environmental advantages using the Archtec method to rehabilitate masonry bridges.

The American Society of Highway Engineers is pleased to have **Mr. Peter James**, a Principal with CINTEC, to speak about his firm's unique applications and methods. Please plan to join Mr. James, an entertaining and engaging speaker, on this relatively unfamiliar topic.

**VERY IMPORTANT:**

We are at our normal location for the ASHE meetings, the auditorium in the VDOT Central Office complex.

In order to gain access to the building, you **MUST** have a picture ID (VA driver's license preferred) or your VDOT identification card.

Parking is available at the metered and non-metered spaces along the city streets or at the pay lots in the area. State provided parking next to the VDOT Annex building is available for a few vehicles. Carpoolers have priority. Free parking is available at the State operated Main Street Station lot for other vehicles. To register for the State provided parking visit our web site at [www.asherichmond.org](http://www.asherichmond.org) then go to the "Next Meeting" link. **All those who register will need to report to the guard shack located behind the Annex building for their assignment and parking pass.**

**PLEASE JOIN US FOR OUR  
ASHE MEETING**

**Thursday July 14, 2005**

Lunch, social time and presentation of member certificates from 12:00 Noon until 12:15pm; program from 12:15 until 1:00pm.

**Location:**

Front Auditorium  
VDOT Building  
1221 East Broad Street  
Richmond, Virginia

Lunch menu and ordering instructions are on our web site [www.asherichmond.org](http://www.asherichmond.org) under the "Next Meeting" link.