

# **STREAM MODIFICATIONS: Needs, Levels, and Methods with an Emphasis on Road Crossings**

**Hosted by:  
Anderson & Associates, Inc.**

**June 17 & 18, 2002**



Anderson & Associates, Inc.  
100 Ardmore Street  
Blacksburg, VA 24060

**Mark your Calendars and register by June 1, 2002!**

## **Hotel Information:**

You are responsible for making your own hotel reservations. We have a block of rooms set up at the Comfort Inn in Blacksburg, VA. The room rate is \$49 for single occupancy and \$54 for double occupancy, plus tax, per night. You must make your room reservations by June 1, reservations made after that date are based on availability. To guarantee your reservations, a credit card is required.

To make your reservation, call the Comfort Inn directly (540) 951-1500. Ask for the "Anderson & Associates" room block. Check in is after 3pm, and check out is before 11am .

The Comfort Inn is located on 3705 South Main Street, Route 460, in Blacksburg, VA. Take exit 118B off of I-81 and go seven miles.

## **Other local hotels and phone numbers:**

Hampton Inn - NRV (540) 381-5874  
Four Points Sheraton (540) 552-7001  
Ramada Limited (540) 951-1330

## **Stream Modification Cancellation Policy:**

Cancellations before June 1, 2002 will be subject to a \$50 processing fee. After that date, registration fees are non-refundable, however, they can be transferred to another individual. Anderson & Associates, Inc. must be notified of this transfer prior to June 10 and a new registration form must be submitted.

# Stream Modifications: Needs, Levels, and Methods with an Emphasis on Road Crossings

**Instructor:** Dr. Peggy Johnson, Associate Professor of Civil Engineering, Penn State University

Stream modification activities are rapidly increasing across the country in a desire to rehabilitate stream corridors degraded by prior modifications, urbanization, land use changes, or natural flood events. The purpose of this two-day course is to introduce some of the issues and methods for modifying streams for the purpose of restoration, relocation, stabilization, or aesthetic improvements. Road crossings frequently intercept project stream reaches and must be incorporated into the stream modification design. Thus, a portion of the course will be devoted to problems encountered at bridges and culverts and methods for creating smooth transitions.

The course will begin with a brief introduction to the characteristics of natural channels, flow hydraulics and sediment transport. These concepts will be used throughout the course to demonstrate the impacts of constraints, such as existing infrastructure, the selection of the channel design type and method, the need for rigid versus nonrigid channels and in-stream structures, and the implications at road crossings. The course will include an optional half-day field trip to a local stream site.



## Reference Information:

Conference will be held on June 17 & 18, 2002 from 8-5 with an optional half day field trip on June 18. This will be held at the main office of Anderson & Associates, Inc. in Blacksburg, VA. For additional information and directions visit our website at [www.andassoc.com](http://www.andassoc.com) or contact Jennen Murphy or Duane Mann at (540) 552-5592 or toll free at 800-763-5596.

## Sign me up!

Yes, I want to learn more about Stream Modifications!

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_  
Email \_\_\_\_\_

Check box if you are planning on attending the half-day field trip

## Conference Details:

The Stream Modification Course will be held on June 17 & 18 at the main office of Anderson & Associates, Inc. in Blacksburg, VA. Registration Deadline is June 1, 2002. Registration cost is \$295 per person. Lunch and breaks are included.

## Please Pre-Register

To do so, complete the attached form and mail with check to:

Attn: Jennen Murphy  
Anderson & Associates, Inc.  
100 Ardmore Street  
Blacksburg, VA 24060

Phone: (540) 552-5592

Make checks payable to:  
Anderson & Associates, Inc.