I-99 Acid Rock Drainage Remediation Project

by Kevin Foye, PhD, CTI and Associates, Inc.

Thursday, February 11, 2010
12:00 – 13:00
Room 2355 GGBL

Abstract: Construction of the $700 million+ I-99 corridor – an all new interstate highway through central Pennsylvania – was abruptly halted in early 2004 by the development of acid rock drainage on the final segment through State College, PA. After years of treatment studies and negotiation with the state environmental agency, remediation of the acid rock drainage began in late 2006. Remediation included hauling and landfilling millions of tons of rock and covering 1.4 million square feet of steep rock cut slopes. CTI and Associates, Inc. was responsible for the design and inspection of the cover system. This presentation discusses some unique features of the project and the technical challenges in its design and construction. I-99 opened to traffic December 2008.

Speaker’s Bio: Dr. Kevin Foye is a project engineer with CTI and Associates, Inc., where he works to address a variety of geotechnical problems in landfill, highway, levee, and other construction projects. He has consulted to projects in Michigan, Ohio, Pennsylvania, New York, Brazil, China, and India. Dr. Foye completed his Ph.D. in Civil Engineering at Purdue University in 2005 while researching reliability analysis for foundations and other geotechnical structures. He has published 12 technical journal articles, conference papers, and research reports and is currently teaching classes at Lawrence Technological University as an Adjunct Professor. Dr. Foye is the lead engineer and project manager for CTI on the I-99 Acid Rock Drainage Remediation project.

***** Everyone is invited – bagels will be available*****