
COURSE DESCRIPTION:

The Grade & Drain Level II training course expands on the information covered in Level I and provides the training for those personnel who are involved with grade and drain construction. This course covers construction and design of cut slopes in rock, geotextiles, karst topography (sinkhole), subgrade stabilization, structural backfill, and pipe installation. In order to attend this course, the participant must have successfully completed Grade & Drain Level I training. This is a one and a half day course for those who are responsible for overseeing quality control on any KYTC grade and drain construction project.

INSTRUCTOR: DAVE ALLEN & CLARK GRAVES

Dave Allen is a graduate of the University of Kentucky. He worked at the Kentucky Transportation Cabinet and later at the Kentucky Transportation Center, where he retired as the Program Manager for the Pavements and Materials Research Program. During his career, he conducted research on landslides, including rheological studies on soils and asphalts. He published over 200 research reports during his career and taught Soil Mechanics for two semesters at UK.

Clark Graves is a graduate of the University of Kentucky with Bachelor and Master's Degrees in Civil Engineering and is a Registered Professional Engineer and Registered Professional Geologist in Kentucky. Currently he is the Program Manager for Pavements/Materials and Geotechnical at the Kentucky Transportation Center at the University of Kentucky with over 20 years of experience in various areas of transportation research including; evaluation of pavement performance, materials and construction, pavement design, and pavement forensic studies.

AGENDA

Day 1

- Introduction
- Rock Cut Slopes
- Karst Topography
- Break
- Activity: Treatment of Open Sinkholes
- Geosynthetics
- Lunch
- Group Activity: What is Wrong with this Picture
- Pipe Installation
- Group Activity: Installing a Pipe

Day 2

- Subgrade Stabilization
- Structural Backfill
- Review
- Exam

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