

LTAP

Local Technical
Assistance
Program

WSDOT's Highways & Local Programs LTAP Center presents:

Roadway Materials

A one-day course

Cost: \$75

Times: 8:00 am to 3:30 pm

Class Size: 25

Target Audience

Low volume road agency personnel and contractors that routinely work with soil and aggregate during the design, construction and maintenance of roadways.

Course Description

The major and most important components we work with for all phases of the construction and maintenance of high quality, long lasting roads are the materials. This class will introduce the student to soils and aggregates. Students will learn how to classify their properties and test methods available to determine their appropriateness for road construction.

Course Objectives

- Understand the importance of roadway materials characteristics
- Recognize problem soils and aggregates
- Become familiar with basic field and laboratory testing of roadway materials
- Understand construction methods used with problem soils and aggregates

Course Modules

- Introduction to Soils
- Classification of Soils
- Soil – Water Interaction
- Rock Types and Engineering Characteristics
- Crushed Aggregate Properties
- Roadway Materials Compaction
- Stabilization and Modification of Soil and Aggregate
- Geosynthetics

Instructor

Stephen L. Monlux, P.E. Mr. Monlux is an engineering consultant specializing in materials and pavement engineering, contract administration, and technology transfer for several federal agencies and numerous counties in the northwest. He spent 26 years as the Northern Region Materials Engineer for the Forest Service in Missoula, Montana. Some of his many accomplishments include managing the Northern Region Materials Engineering Laboratory, writing most of the Region's specifications for construction and materials, and providing consultation to Forest project road and bridge programs on all types of construction materials (soil, aggregate, asphalt dust abatement, concrete, stabilization agents, geotextiles, etc.). He is a licensed professional engineer in the state of Washington.

For further information contact Laurel Gray at (360) 705-7355 or GrayL@wsdot.wa.gov.