

COURSE DESCRIPTIONS

Course:	Earthwork Construction Inspection - Level I
Objective:	To safely and effectively sample soil materials from the roadway, take earthwork density readings and record those findings in a density log book.
Course Content:	<ul style="list-style-type: none"> ▪ Moisture Density Relationship (FM 5-521 and 5-525) ▪ Density of Solid and Bituminous Concrete Mixtures in Place by the Nuclear Method (FM 1-T 238) ▪ Determination of Moisture Content by Means of a Calcium Carbide Gas Pressure Moisture Tester (FM 5-507) ▪ Reporting Test Results in the Earthwork Record System ▪ Sampling soils and limerock
Duration of Class:	Two days, including course and examinations.
Examinations:	
Written	Required. Multiple-choice.
Proficiency	Required. The trainee must demonstrate proficiency in nuclear density testing (FM 1-T 238) and Speedy moisture content (FM 5-507) and report the test results on Earthwork Record System forms. The trainee has two opportunities to successfully demonstrate all items on their checklist. Two failures in one area will constitute failure of the proficiency examination.

Course:	Earthwork Construction Inspection - Level II
Objective:	To provide trainees with the instruction and skills required for applying the various Standards and Specifications associated with earthwork testing and the proper recording and tracking of those test results in the FDOT Earthwork Record System.
Course Content:	<ul style="list-style-type: none"> ▪ Density theory ▪ Density logbooks ▪ Overview of FDOT standard specifications and design standards
Duration of Class:	Two days, including course and examination.
Examinations:	
Written	Required- Multiple-choice
Proficiency	None

Course:	FDOT Concrete Field Inspector Specification
Objective:	To understand portions of Sections 346, 347, 400 and other sections of the FDOT Standard Specifications for Road and Bridge Construction relevant to placement and field testing of concrete.
Course Content:	<ul style="list-style-type: none"> ▪ FDOT Standard Specifications for Road and Bridge Construction Sections 346, 347, 400 and other sections
Duration of Class:	Two days, including course and examination.
Examinations:	
Written	Required- Multiple-choice
Proficiency	None

Course:	FDOT Concrete Laboratory Inspector Specification
Objective:	To understand portions Sections 346 and 347 of the FDOT Standard Specifications for Road and Bridge Construction relevant to laboratory tests for concrete..
Course Content:	<ul style="list-style-type: none"> ▪ FDOT Standard Specifications for Road and Bridge Construction Sections 346 and 347
Duration of Class:	One day, including course and examination.
Examinations:	
Written	Required- Multiple-choice
Proficiency	None

Course:	Drilled Shaft Inspector
Objective:	To provide trainees with the instruction and skills necessary for the proper inspection and documentation required during construction of Drilled Shaft foundations.
Course Content:	<ul style="list-style-type: none"> ▪ FDOT Standard Specifications for Road and Bridge Construction Sections 455, Typical Plan Sheets, Installation Plan ▪ Drilled Shaft equipment ▪ Construction Methods, Slurry, Rebar Cage, Concreting ▪ Documentation, Forms, Math
Duration of Class:	Three day, including course and examination.
Examinations:	
Written	Required- Multiple-choice
Proficiency	None

Course:	Pile Driving Inspector- Module A
Objective:	To provide trainees with the instruction and skills necessary for the proper inspection and documentation required during installation of driven piling.
Course Content:	<ul style="list-style-type: none"> ▪ FDOT Standard Specifications for Road and Bridge Construction Sections 455, Typical Plan Sheets, Installation Plan, Test Pile Program ▪ Pile Driving Equipment ▪ Pile types, templates ▪ Observations, Math ▪ "When to Stop" ▪ Pay Quantities
Duration of Class:	Two day, including course and examination.
Examinations:	
Written	Required- Multiple-choice
Proficiency	(See Pile Driving- Module B)

Course:	Pile Driving Inspector- Module B
Objective:	To provide trainees with the instruction and skills necessary to utilize the FDOT Pile Drive software for the documentation required of Inspectors during driven pile installation.
Course Content:	<ul style="list-style-type: none"> ▪ FDOT Pile Drive Software ▪ Hands-on use of program with computer and printer ▪ Set-up Pile Driving Records, Bent/Pier files, Pile file ▪ Entering pile and pile driving information into program ▪ Print Pile report
Duration of Class:	One day, including course and examination.
Examinations:	
Written	None
Proficiency	Required- Hands-on with computer and program