

**COURSE NUMBER**

FHWA-NHI-132070B

**COURSE TITLE****Drilled Shaft Inspector Tutorial - WEB-BASED**

This training is a prerequisite of another NHI training and is offered at no cost.

132070B Drilled Shaft Inspector Tutorial provides training on the fundamental concepts of drilled shafts construction for those involved in the inspection of drilled shafts. This 4-hour Web-based training (WBT) includes the following topics related to drilled shafts: foundations drilled shaft types, methods of construction, construction equipment, and tools. 132070B was developed as a companion training aid for the Instructor-led training 132070 Drilled Shaft Foundation Inspection course. This course replaces 132070A and it is recommended that this WBT be completed prior to attending 132070 Drilled Shaft Foundation Inspection.

This course details the work of the inspector prior, during and after completion of the drilled shaft construction process. Areas of focus include: the inspector's roles, functions, responsibilities, and levels of involvement at different phases of construction. The drilled shaft construction process is covered from the inspector's viewpoint with regards to the documents and tools required for inspection, including equipment and site required checks. Also highlighted is the inspector's role during the drilled shaft excavation process; the rebar cage fabrication and positioning process; and during the placement of concrete. Theoretical and actual drilled shaft concrete volumes calculation, post installation, load, and integrity tests, and other types of tests are also addressed in this course. 132070B details the steps in the drilled shaft construction process and identifies specific responsibilities and methods that will assist inspectors in safely achieving project goals.

OUTCOMES

Upon completion of the course, participants will be able to:

- Describe the inspector's duties and responsibilities during drilled shaft construction
- Explain the inspector's role in the drilled shaft construction process
- Identify different construction methods
- List equipment and tools used by the inspector and at a drilled shaft construction site
- List the steps in the drilled shaft construction process
- Identify specific responsibilities and methods to assist the inspector in achieving their goal

TARGET AUDIENCE

Federal, State, and local highway agency employees and consultant personnel who inspect foundations or major structures, as well as project managers and construction engineers responsible for drilled shaft construction inspection may benefit from this course.

TRAINING LEVEL: Intermediate

FEE: 2017: \$0 Per Person; 2018: N/A

LENGTH: 4 HOURS (CEU: 0 UNITS)

CLASS SIZE: MINIMUM: 0; MAXIMUM: 0

NHI Customer Service: (877) 558-6873 • nhicustomerservice@dot.gov