

Certification: Soils Special Inspector



Exam ID: EC

- 90 multiple-choice questions
- 3-1/2-hour limit
- Open book

Scope:

The Soils Special Inspector is responsible for enforcing the earthwork construction details contained in the approved plans and specifications for a building site. The special inspector reviews the statement of special inspections and the approved plans and specifications and verifies the classification of the soils at the building site, performs required soil tests, monitors site preparation, grading, and fill placement to verify compliance with plans and specifications. The special inspector is responsible for writing and submitting required reports, including reports of items that do not comply with the plans, to the building official, contractor, and/or registered design professional.

01	General Requirements	17%
0101	<u>Construction Documents and Soils Report</u> Review approved construction documents, including specifications, soils reports, and submittals for special inspection requirements.	10%
0102	<u>Notification of Discrepancies</u> Notify the contractor of deviations from approved construction documents. If the deviations are uncorrected, notify the registered design professional and the jurisdiction of deviations.	2%
0103	<u>Inspection Reports</u> Submit special inspection reports to the registered design professional and the jurisdiction describing tests which were performed and compliance of work. Submit final summary report stating whether work requiring special inspection was in conformance with the approved construction documents.	5%
02	Sampling, Classification, and Laboratory Test Results	19%
0201	<u>Sampling</u> Obtain representative samples of fill materials.	3%
0202	<u>Classification</u> Determine fill material types for compliance with project documents.	8%
0203	<u>Laboratory Test Results</u> Use laboratory test results to verify fill material is in compliance with approved construction documents.	8%
03	Grading Plans and Site Preparation	34%
0301	<u>Grading Plans and Staking</u> Become familiar with grading plans and identify cuts, fills, overexcavations, drainages, slopes, features, and other relevant conditions, and use information on stakes.	28%
0302	<u>Site Preparation</u> Verify that the site has been cleared and grubbed according to approved construction documents. Verify the subgrade is prepared in accordance with approved construction documents. Verify that overexcavation (undercutting), where required, is completed according to approved construction	6%

04	Fill Monitoring and Testing	30%
0401	<u>Fill Placement Monitoring</u> Observe placement operations and equipment used	12%
0402	<u>Testing of Compacted Fill</u> Perform required tests on compacted fill.	18%