

SUBPART D - INSPECTION OF CONSTRUCTION WORK

IA512.30(c)(1)(11)

United States Department of Agriculture  
Soil Conservation Service

IA-ENG-46  
June 1986  
(File Code 210-0)

INVENTORY OF SKILLS  
Government Representative

Name	Date
<b>FORMAL TRAINING</b>	
	Date Completed
Construction Contracts	_____
Construction Inspection	_____
Management - Level II	_____
Management - Level III	_____
Training Methods	_____
SM--Classification of Soils--Level I	_____
Soil Engineering for Structural Measures	_____
Concrete	_____
_____	_____
_____	_____

KNOWLEDGE AND SKILLS\*

Contract Administration Requirements

- \_\_\_\_\_ Knows SCS Policy
- \_\_\_\_\_ Authority and Responsibility
- \_\_\_\_\_ Federal Contract Clauses
- \_\_\_\_\_ Local Contract Clauses
- \_\_\_\_\_ Construction Schedule
- \_\_\_\_\_ Documentation
- \_\_\_\_\_ Government Representatives Duties
- \_\_\_\_\_ Inspectors Duties
- \_\_\_\_\_ Diary Entries
- \_\_\_\_\_ Reports
- \_\_\_\_\_ Show Sites to Bidders
- \_\_\_\_\_ Lead Preconstruction Conferences
- \_\_\_\_\_ Evaluation of Low Bidder
- \_\_\_\_\_ Modification Preparation
- \_\_\_\_\_ Completes Payment Estimates
- \_\_\_\_\_ Safety and Health

Engineering Requirements

- \_\_\_\_\_ Specifications and Drawings
- \_\_\_\_\_ Design Report
- \_\_\_\_\_ Geology
- \_\_\_\_\_ Soil Mechanics
- \_\_\_\_\_ Earthwork Construction and Testing
- \_\_\_\_\_ Concrete Construction and Testing
- \_\_\_\_\_ Drainfill Construction and Testing
- \_\_\_\_\_ Pipe Installation
- \_\_\_\_\_ Reinforced Concrete
- \_\_\_\_\_ Corrugated Metal
- \_\_\_\_\_ Material Certification
- \_\_\_\_\_ Tolerances
- \_\_\_\_\_ Equipment Performance
- \_\_\_\_\_ Instrumentation
- \_\_\_\_\_ Surveys Required

\*—2 = understands; 3 = needs supervision; 4 = applies independently; & 5 = proficient

References to use in determining skills:

- National Engineering Manual, Part 512 (construction) & Part 540 (field surveys)
- National Contracts, Grants & Cooperative Agreement Manual, Part 517 (contract administration)
- National Engineering Handbooks
- Engineering Field Manual
- Occupational Safety and Health Regulations for Construction, Part 1926

IA512-11(3)



SUBPART D - INSPECTION OF CONSTRUCTION WORK

IA512.30(c)(1)(ii)

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INVENTORY OF SKILLS  
Inspector

Name	Date
<b>FORMAL TRAINING</b>	
Construction Inspection	Date Completed
SM--Classification of Soils--Level I	_____
Concrete	_____
_____	_____
_____	_____

KNOWLEDGE AND SKILLS\*

Contract Administration Requirements

- \_\_\_\_\_ SCS Policy
- \_\_\_\_\_ Authority and Responsibility
- \_\_\_\_\_ Federal Contract Clauses
- \_\_\_\_\_ Local Contract Clauses
- \_\_\_\_\_ Construction Schedule
- \_\_\_\_\_ Construction Schedule
- \_\_\_\_\_ Documentation
- \_\_\_\_\_ Inspectors Duties
- \_\_\_\_\_ Diary Entries
- \_\_\_\_\_ Reports
- \_\_\_\_\_ Show Sites to Bidders
- \_\_\_\_\_ Preconstruction Conferences
- \_\_\_\_\_ Modifications
- \_\_\_\_\_ Payment Estimates
- \_\_\_\_\_ Safety and Health

Engineering Requirements

- \_\_\_\_\_ Specifications and drawings
- \_\_\_\_\_ Design Report
- \_\_\_\_\_ Geology
- \_\_\_\_\_ Soil Mechanics
- \_\_\_\_\_ Earthwork Construction and Testing
- \_\_\_\_\_ Concrete Construction and Testing
- \_\_\_\_\_ Drainfill Construction and Testing
- \_\_\_\_\_ Pipe Installation
- \_\_\_\_\_ Reinforced Concrete
- \_\_\_\_\_ Corrugated Metal
- \_\_\_\_\_ Material Certification
- \_\_\_\_\_ Tolerances
- \_\_\_\_\_ Equipment Performance
- \_\_\_\_\_ Instrumentation
- \_\_\_\_\_ Surveys required

\*--2 = understands; 3 = needs supervision; 4 = applies independently; & 5 = proficient

References to use in determining skills:

- National Engineering Manual, Part 512 (construction) & Part 540 (field surveys)
- National Contracts, Grants & Cooperative Agreement Manual, Part 517 (contract administration)
- National Engineering Handbook 19, Construction Inspection
- Engineering Field Manual
- Occupational Safety and Health Regulations for Construction, Part 1926

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