NOTE ON PERFORMANCE TESTING

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. This examination is designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:

- Test objectives and criteria
- Safety precautions
- Procedures for each task to be tested

The instructor administering the performance testing should also do the following:

- Ensure that all of the needed equipment is available and operating properly.
- Set up the testing stations.
- Organize and administer the test in a way that allows for optimal performance.
- Complete the Performance Profile Sheet(s) for each trainee by assigning a pass/fail score for each listed task. Include the testing date and start and end times for each task in the rating boxes.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

Performance Testing

If Performance Testing is done as part of the NCCER Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification.
2. The training must be delivered through an Accredited Training Sponsor recognized by NCCER.
3. The specific performance testing must be completed successfully.
4. The results of the testing must be recorded and submitted to the local Accredited Training Sponsor for approval through NCCER’s Registry system.

Certified Plus Credential

If the sponsor is working through an NCCER-Accredited Assessment Center, candidates who successfully pass performance testing may be eligible for a Certified Plus credential. A number of NCCER’s Performance Profiles cross over to NCCER’s Assessment Performance Verifications and may be completed simultaneously. Note that two other important conditions are required for the Certified Plus credential:

1. Candidates must first pass the associated written assessment.
2. An NCCER-Accredited Assessment Administrator must sign off on the Performance Verification before it is submitted to NCCER.
Module Number: 36101-17 has no Performance Profile Sheet; performance testing is not required for this module.
Module Number: 36111-17 has no Performance Profile Sheet; performance testing is not required for this module.
### OBJECTIVE

<table>
<thead>
<tr>
<th>TASK</th>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Develop a job safety analysis.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Craft: Heavy Highway Construction Level One
Module: 75104-13
Module Title: Work Zone Safety

Trainee Name: 

Training Program Sponsor: 

Instructor: 

Rating Levels: 
(1) Passed: performed task 
(2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: 
When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

Certified Plus Credential: 
Trainees who successfully complete these performance tasks may be eligible for a Certified Plus credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

<table>
<thead>
<tr>
<th>OBJECTIVE</th>
<th>TASK</th>
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<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Demonstrate how to properly use traffic control devices.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Heavy Highway Construction Level One – Module 75104-13 Performance Profile
# Performance Profile Sheet

**Craft:** Heavy Highway Construction Level One  
**Module Six:** 22308-13  
**Module Title:** Soils

---

**Trainee Name:** _______________________________________________________________________

**Training Program Sponsor:** ____________________________________________________________

**Instructor:** _________________________________________________________________________

**Rating Levels:**  
1. (1) Passed: performed task  
2. (2) Failed: did not perform task  
   Be sure to list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

---

<table>
<thead>
<tr>
<th>Objective</th>
<th>Task</th>
<th>Rating</th>
<th>Date</th>
<th>Start Time</th>
<th>End Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Identify five basic types of soils, and summarize their characteristics.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2. Read results from a field density test and explain what additional compaction effort is needed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Compute shrinkage and relative compaction for two different types of soils.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

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HEAVY HIGHWAY CONSTRUCTION LEVEL ONE — MODULE 22308-13 PERFORMANCE PROFILE
**Objective Task Rating**

<table>
<thead>
<tr>
<th>OBJECTIVE</th>
<th>TASK</th>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1. Interpret layout and marking methods to determine grading requirements and operation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2. Set up a level and determine the elevations at three different points, as directed by the instructor.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rating Levels:** (1) Passed: performed task  
(2) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.
**PERFORMANCE PROFILE SHEET**

Craft: Heavy Highway Construction Level One  
Module Three: 22207-13  
Module Title: Excavation Math

---

**TRAINEE NAME:** ____________________________________________________________________

**TRAINING PROGRAM SPONSOR:** ______________________________________________________

**INSTRUCTOR:** _____________________________________________________________________

**Rating Levels:**  
(1) Passed: performed task  
(2) Failed: did not perform task  
Be sure to list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

---

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<tr>
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<th>TASK</th>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1. Using information provided by the instructor, calculate the volume and weight of a given excavation project.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Craft: Heavy Highway Construction Level One  
Module Four: 22209-13  
Module Title: Interpreting Civil Drawings

<table>
<thead>
<tr>
<th>OBJECTIVE</th>
<th>TASK</th>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Determine the scale of different drawings.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1, 2, 3</td>
<td>2. Interpret a set of drawings to determine the proper type and sequence of excavation and grading operations needed to prepare the site.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rating Levels:**  
(1) Passed: performed task  
(2) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

**Recognition:**  
When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.
Performance Profile Sheet (Page 1 of 2)

Craft: Heavy Highway Construction Level One
Module: 38102-18
Module Title: Rigging Practices

Trainee Name:

Training Program
Sponsor:

Instructor:

Rating Levels: (1) Passed: performed task  (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

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<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 2</td>
<td>1. Inspect various types of rigging components and report on the condition and suitability for a task.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Configure a sling to produce a single-wrap basket hitch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Configure a sling to produce a double-wrap basket hitch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4. Configure a sling to produce a single-wrap choker hitch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>5. Configure a sling to produce a double-wrap choker hitch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>6. Select the correct tagline for a specified application.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Heavy Highway Construction Level One – Module 38102-18 Performance Profile
<table>
<thead>
<tr>
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<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7. Tie specific instructor-selected knots.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>8. Select, inspect, and demonstrate the safe use of the following rigging equipment:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Block and tackle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Chain hoist</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Ratchet-lever hoist</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• One or more types of jacks</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Module Number: 21106-18 has no Performance Profile Sheet; performance testing is not required for this module.
Performance Profile Sheet (Page 1 of 1)

Craft: Heavy Highway Construction Level One
Module: 21102-18
Module Title: Basic Principles of Cranes

Trainee Name:

Training Program Sponsor:

Instructor:

Rating Levels: (1) Passed: performed task  (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

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</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Verify the boom length of a telescopic- and/or lattice-boom crane using manufacturer’s date or a measuring tape.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Measure the operating radius of a telescopic- and/or lattice-boom crane using a measuring tape.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Calculate the amount of blocking needed for the outrigger of a specific crane.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4. Verify that a crane is level.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Performance Profile Sheet (Page 1 of 1)

**Craft:** Heavy Highway Construction Level One  
**Module:** 53101-18  
**Module Title:** Crane Communications

#### Trainee Name:

#### Training Program Sponsor:

#### Instructor:

**Rating Levels:**  
(1) Passed: performed task  
(2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

#### Recognition:
When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

#### Certified Plus Credential:
Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

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<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Demonstrate proper crane-communication techniques using a handheld radio or another acceptable verbal-signaling device.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Demonstrate each standard hand signal depicted in 29 CFR 1926.1400, Subpart CC, Appendix A.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Direct an operator to move and place a load using the appropriate hand signals.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4. Direct an operator to move and place a load using voice communication.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>