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.
# PERFORMANCE PROFILE SHEET

**Craft: Heavy Highway Construction**

**Module One: 22201-12**

**Module Title: Introduction to Earth Moving**

---

**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.

**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 for eligibility requirements, or contact NCCER for more information.

---

<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. Draw a plan for basic earthmoving operations:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Clearing and grubbing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Excavating the foundation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Constructing embankments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Backfilling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Compacting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2. Lay out a basic earthmoving operation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>3. Identify and select the proper equipment for a given earthmoving operation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Copyright © 2017 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

HEAVY HIGHWAY CONSTRUCTION — MODULE 22201-12 PERFORMANCE PROFILE
Craft: Heavy Highway Construction Level Two
Module: Module Two, 22307-14
Module Title: Finishing and Grading

TRAINEE NAME: ____________________________

TRAINING PROGRAM SPONSOR: ____________________________

INSTRUCTOR: ____________________________

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

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainee 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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Establish a finish grade after a rough grade has been performed, according to instructions.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Performance Profile Sheet

**Craft:** Heavy Highway Construction Level Two  
**Module:** 27306-14  
**Module Title:** Trenching and Excavating

<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>Draft a job hazard/safety analysis for an excavation according to instructor’s specifications.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INSTRUCTOR:**  

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

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

**Certified Plus Credential:**  
Trainee 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.
Module Number: 36107-17 has no Performance Profile Sheet; performance testing is not required for this module.
Craft: Heavy Highway Construction Level Two
Module: 36108-17
Module Title: Paving

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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Demonstrate setting the stringline to establish the grade for concrete slipform paving.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2. Correctly set up the slipform paver for operation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>3. Perform slipform paving</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>4. Perform a concrete slump test.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>5. At the discretion of your instructor, perform hot-mix asphalt paving.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>6. Perform a quantitative analysis on the segregation of stone.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Performance Profile Sheet (Page 1 of 1)

**Craft:** Heavy Highway Construction Level Two  
**Module:** 27309-14  
**Module Title:** Horizontal Formwork

**TRAINEE NAME:**  
**TRAINING PROGRAM SPONSOR:**

---

**INSTRUCTOR:**

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

Also, list the date for testing for each task was completed.

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

**Certified Plus Credential:** Trainee 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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Erect, plumb, brace, and level a hand-set deck form.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Install edge forms, including instructor-selected blockouts, embedments, and bulkheads.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Copyright © 2017 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.  
HEAVY HIGHWAY CONSTRUCTION LEVEL TWO--MODULE 27309-14 PERFORMANCE PROFILE
Craft: Heavy Highway Construction Level Two
Module: 27308-14
Module Title: Vertical Formwork

TRAINEE NAME: _____________________________________________

TRAINING PROGRAM SPONSOR: _____________________________________________

INSTRUCTOR: _____________________________________________

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

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainee 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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Erect, plumb, and brace an instructor selected wall form.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Erect, plumb, and brace an instructor selected column form.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Erect, plumb, and brace a stair form.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Craft: Heavy Highway Construction Level Two  
Module: 27304-14  
Module Title: Reinforcing Concrete

TRAINEE NAME: _________________________________________

TRAINING PROGRAM SPONSOR: _________________________________________

INSTRUCTOR: _________________________________________

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

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on Training Report Form 200, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainee 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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Use appropriate tools to cut and bend reinforcing bars.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Demonstrate five types of ties for reinforcing bars.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Demonstrate proper lap splicing of reinforcing bars using wire ties.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Demonstrate the proper placement, spacing, tying, and support for reinforcing bars.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Copyright © 2017 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.
HEAVY HIGHWAY CONSTRUCTION LEVEL TWO--MODULE 27304-14 PERFORMANCE PROFILE
Module Number: 36112-17 has no Performance Profile Sheet; performance testing is not required for this module.
## Objective 3

1. Identify job plans and drawings used for ironworking jobs.

### Rating Levels:

1. **Passed:** performed task  
2. **Failed:** did not perform task

### Recognition:

When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Training Report Form 200, 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>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2. Identify the symbols used on selected ironworking plans and drawings.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3. Identify selected structural steel symbols and applications on job plans and drawings.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4. Identify selected ornamental ironwork and welding symbols and applications on job plans and drawings.</td>
<td></td>
</tr>
</tbody>
</table>
### Objective TASK

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Describe different uses for structural steel.</td>
</tr>
<tr>
<td>1</td>
<td>2. Identify selected types, shapes, and grades of structural steel.</td>
</tr>
<tr>
<td>2</td>
<td>3. Identify different types of structural-steel beams.</td>
</tr>
<tr>
<td>1</td>
<td>4. Make bolted connections on structural steel.</td>
</tr>
</tbody>
</table>
### Performance Profile Sheet (Page 1)

**Craft:** Heavy Highway Construction Level Two  
**Module:** 36201-17  
**Module Title:** Bridge Construction

---

**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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1.</td>
<td>Use a bridge plan to explain the details of a project.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2.</td>
<td>Perform layout based on a plan sheet.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Performance Profile Sheet (Page 1)

**Craft:** Heavy Highway Construction Level Two  
**Module:** 36202-17  
**Module Title:** Bridge Foundations

---

## 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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Lay out pile locations according to drawings.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Create a template in accordance with drawings provided.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Craft: Heavy Highway Construction Level Two  
Module: 36203-17  
Module Title: Bridge Formwork

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>
<th>RATING</th>
<th>DATE</th>
<th>START TIME</th>
<th>END TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1. Prepare a material takeoff for concrete formwork.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2. Build a small cap form at least 4’ x 3’ (1.3 m x 1 m) with headers. Include a beam seat and anchor bolts, as well as a blockout for pipe.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>