

Hand spread asphalt Learner Workbook



STUDENT COPY

RIICBS202E –
Hand spread asphalt



This resource was developed by:



Learner Name: _____

Student Number: _____ Date: _____

Contact Details

Candidate's details	
Name:	
Address:	
Student Number:	
Phone number:	
Email:	
I.D supplied / USI No ?	
Signature:	

Trainer/Assessor's / Supervisor details	
Name:	
Company/registered training organisation:	
Phone number:	
Email:	
Assessment location:	
Assessment date:	
Signature:	

I declare that:

Student Signature: Date:	This submission is all my own work and has not been copied nor does it violate the material that is listed under the Statement on Plagiarism and Academic Integrity rules.
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SAMPLE

Training support materials

Training package: Resources and Infrastructure Industry Training Package

Unit of competency: RIICBS202E Hand spread asphalt

Application / Context of Assessment

This unit describes the skills and knowledge required to hand spread asphalt in civil construction.

It applies to those working in operational roles. They generally perform routine tasks and work under direct supervision.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Civil construction

Notes to Candidate:

Practical components of this assessment may be filmed on hand spread asphalt. It applies to those working in operational roles. They generally perform routine tasks and work under direct supervision along with hand spread asphalt on at least two different occasions including;

hand spreading at least 5m² of asphalt (per patch) to line and level without segregation, including:

- ~ two patches over 50mm thick, each with a different type of asphalt
- ~ two patches under 50mm thick, each with a different type of asphalt.

- working with a paver to lay at least 100 lineal metres of longitudinal joint and two transverse joints.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

Include access to:

- asphalt hand spreading equipment
- personal protective equipment
- 2 different types of asphalt mix
- be conducted in a safe environment; and,
- be assessed in context of this sector's work environment; and,
- be assessed in compliance with legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.
- Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment* provided it is realistic and sufficiently rigorous to cover all aspects of this sectors workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- If applicable access to paver and delivery support truck for asphalt material

Summary of Practical tasks to be performed.

You must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- hand spread asphalt on at **least two different occasions**, including:
 - hand spreading at least 5m² of asphalt (per patch) to line and level without segregation, including:
 - ~ two patches over 50mm thick, each with a different type of asphalt,
 - ~ two patches under 50mm thick, each with a different type of asphalt,
- work with a paver to lay at least 100 lineal metres of longitudinal joint and two transverse joints.

Along with;

- locating and applying legislation, documentation, policies and procedures required for hand spreading asphalt.
- working with others to complete the hand spreading of asphalt that meets required outcomes, including:
 - organising work activities to meet task requirements,
 - communicating with others to receive and clarify work instructions,
 - using a range of communication techniques and systems,
 - using signage to advise others of work activity and exclusion zone,
 - identify, report and record hazards and risks,
 - clean, check, perform maintenance on and store equipment,
 - complete housekeeping activities.

Equipment description

- asphalt hand spreading equipment
- personal protective equipment
- 2 different types of asphalt mix
- If applicable access to paver and delivery support truck for asphalt material

Assessor's qualifications and assessment conditions

To conduct valid assessments for this qualification the assessor must meet the assessor requirements outlined in the assessment conditions.

The assessment conditions and assessor requirements for this unit of competency can be viewed at www.training.gov.au/Home/Tga and are also outlined in the mapping document prepared by Easy Guides.

Assessors should access the assessment conditions prior to undertaking assessments. The assessment conditions and the assessor requirements form part of the assessment tool.

Please note: Units of Competency and Assessment Requirements change frequently; it is the Assessor's responsibility to ensure they meet the criteria for the assessment to be valid.

Assessment Guidelines

This assessment is designed to be used with the learning materials developed by Easy Guides Australia. The assessor must be satisfied the applicant has successfully demonstrated each aspect of the Unit of Competency. The answers provided are model answers only. The written assessment determines the candidate's underpinning knowledge.

This assessment can be customised to suit your requirements. When customising this assessment, you must ensure all performance criteria and knowledge evidence are addressed to maintain the integrity of the assessment.

Reasonable adjustments to assessments should be made to accommodate candidates with special needs.

Where ever a practical task is demonstrated it should be filmed and document in the assessment sheet of the file name, location of file store and to whom the assessment video is associated to.

Determining competency

Evidence from the knowledge assessment together with evidence from the practical assessment should be used by the assessor to determine the candidate's competency.

Right of appeal

On completion of the assessment:

- the candidate is to be advised of assessment result
- the candidate might disagree with the result of the assessment
- the candidate has the right to challenge the assessment result
- an unsuccessful candidate may apply to the R.T.O. for re-assessment.
(Please note: applications for reassessments are subject to the RTO's policies and procedures)

Duration of Assessment: Single session or over a period of time.

Assessment Date: _____

Knowledge Assessment



The assessor must be satisfied the candidate has successfully demonstrated each element and performance criteria contained in the Unit of Competency.

Knowledge Assessment Instructions



1. This assessment should be completed in writing (pen not pencil). However, where necessary it may be undertaken verbally. If verbal assessment is undertaken the candidates' responses must be clearly recorded by the assessor. The assessor must clearly note on the assessment that it was undertaken verbally.
2. Candidates should be allowed 10 minutes reading time before commencing the assessment and a further 180 minutes to complete the assessment.
3. The assessment should be completed in a quiet area free from distraction.
4. The assessment is to be completed without the assistance of learning resources. Students may ask the assessor for assistance to clarify questions they do not understand.
5. A pass mark of 90% (63/70) must be achieved for a satisfactory result. The assessor must provide feedback to the candidate to clarify any answers deemed to be incorrect.
6. Reasonable adjustment to the assessment is to be made by the assessor where deemed necessary.



Knowledge Assessment



Question 1

What does the term "hand spread asphalt" refer to in civil construction?

It involves:

- a. The automated application of asphalt mixtures using specialized machinery.
- b. The manual application of asphalt mixtures by workers.
- c. The use of asphalt in gardening and landscaping.
- d. The production of asphalt mixtures in a factory setting.

PC 1.1



Question 2

What are some of the key tasks associated with the role of hand spreading asphalt in civil construction?

- a. Planting trees and shrubs in the work area.
- b. Managing office paperwork and documentation.
- c. Distributing asphalt evenly with hand tools and ensuring proper compaction.
- d. Supervising the installation of electrical wiring on the construction site.

PC 1.1



Question 3

When hand spreading asphalt in civil construction, the following tasks are typically performed by a worker?

Choose all the correct tasks of a hand spread asphalt worker would do.

- a. Material handling
- b. Pouring and spreading
- c. Leveling and smoothing
- d. Edge work
- e. Heat management
- f. Working with the paver operator

PC 1.1



Score for written assessment

Written Assessment (Knowledge)		
Correct answers:	_____ / 70 (Pass Mark is: 63 questions)	
Percentage:		
Result (circle):	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Not satisfactory

Assessor comments to clarify assessment results:

If you have any questions about your results, speak to your trainer/supervisor.

Trainer / Assessor signature: Date:	The learner has been assessed as <input type="checkbox"/> Not Yet Satisfactory / <input type="checkbox"/> Satisfactory in the elements and performance criteria, for knowledge of this unit and the evidence presented is: <input type="checkbox"/> Authentic <input type="checkbox"/> Valid <input type="checkbox"/> Reliable <input type="checkbox"/> Current <input type="checkbox"/> Sufficient
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Practical Assessment

The skills and knowledge required to **hand spread asphalt in civil construction**, work must be performed on at least different two occasions and carrying out the actual practical task may be filmed and noted of where the video file is stored.

Practical Assessment 1



You are to be provide with a work order that covers all of the following aspects of hand spread asphalt.

Summary details about what must be covered in hand spreading asphalt for work order:

You must demonstrate the ability to;

- hand spread asphalt on at least two different occasions, including:
- hand spreading at least 5m² of asphalt (per patch) to line and level without segregation, including:
 - ~ two patches over 50mm thick, each with a different type of asphalt
 - ~ two patches under 50mm thick, each with a different type of asphalt.
- work with a paver to lay at least 100 lineal metres of longitudinal joint and two transverse joints, according to the work order.

Note: See unit learning guide for sample work order or see your trainer / assessor for work order.

When carrying out the work in the work order you must perform the following tasks.

Task 1. You are to locate or source a work order. i.e. Use the sample work order found in the Learner Guide or one will be provided to you from your Trainer / Assessor. When you complete your practical assessment submit the work order document. (**sample work order.docx**)

Task 2. You are to review the work order task instructions and consult with the supervisor or assessor to **confirm** the **work** that needs to be performed and note down or write notes in the Work order confirmation checklist list of what needs to be done. Submit **Work order Confirmation checklist document (.docx)** to your Trainer / Assessor. (PC 1.1, 1.2)

Task 3. You are to assess and address risks by creating/perform an job safety analyses (JSA).docx, safe work method statements (SWM).docx for the work site according to the work order. (PC 1.3)

Task 4. You are to assess and address **environmental** issues and potential hazards and create a JSEA (.docx) document (PC 1.3)

Task 5. Source and gather all the PPE equipment to complete the work order. (PC 1.4)