



Australian Government

AHCLSC316 Implement a paving project

Release: 1

AHCLSC316 Implement a paving project

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to install and construct a paved surface, including preparing for paving project, setting out and preparing site, implementing the paving project, installing stone paving, checking and cleaning up site.

The unit applies to individuals who implement a paving project under broad direction, and take responsibility for their own work and for the quality of the work of others.

State/territory licensing, legislative or certification requirements apply in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Pre-requisite Unit

Nil

Unit Sector

Landscape (LSC)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for paving project	1.1 Interpret site plans and specifications 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Select tools, equipment and machinery required to implement a paving project and check for safe operation 1.4 Identify and ameliorate environmental impacts of proposed works 1.5 Select, fit, use and maintain personal protective equipment (PPE)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	applicable to the task 1.6 Organise delivery of materials to site according to workplace priorities
2. Set out and prepare the site	2.1 Erect site bunting, control pedestrian access and place safety signage 2.2 Determine, locate and mark out services from site plan 2.3 Make provision for irrigation lines to cross paved areas 2.4 Mark out paving pattern according to plans and specifications 2.5 Place and compact sub-base material to required finished levels 2.6 Incorporate surface drainage as specified
3. Implement paving project	3.1 Construct paving according to plans and specification 3.2 Install appropriate drainage as required 3.3 Use tools, equipment and machinery safety in accordance with workplace safe operating procedures and workplace health and safety requirements
4. Install stone paving	4.1 Set out and prepare area to be paved according to site plan 4.2 Excavate area to shape, depth and dimensions to sub-base level 4.3 Trim the sub-base to designated level and falls and place and compact base material to finished level 4.4 Spread bedding material over area and level to designated level and falls 4.5 Treat, place and fit stone accurately and fill gaps in the pattern within tolerances nominated in site plan and specifications 4.6 Install edge constraints as required by site plan
5. Check quality of work and clean-up site	5.1 Inspect quality of finished works to ensure standard of finished paving project is in accordance with design drawings and specifications 5.2 Clean work-site and dispose of or recycle waste material from site 5.3 Clean, maintain and store tools, equipment and machinery 5.4 Identify and report unserviceable tools, equipment and machinery according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Oral communication	Use clear language and industry standard terminology to report tool, equipment and machinery unserviceability
Numeracy	- Calculate quantities of material, take measurements, interpret and use scale, interpret and calculate levels - Set out geometric shapes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC316 Implement a paving project	AHCLSC306 Implement a paving project	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCLSC316 Implement a paving project

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has implemented a paving project of at least ten square metres on solid and flexible bases using straight and curved edges, individually or as part of a team on at least one occasion and has:

- interpreted site plans and specifications
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- selected, used and maintained tools, equipment and machinery required for implementing a paving project
- measured and cut pavers to specified tolerances
- installed edge restraints and drainage if required
- set out and excavated area, and installed stone paving according to site plan
- installed base, bedding material, jointing sand or grout, and pavers according to site plans and specifications
- checked quality of work and cleaned up site
- cleaned up, stored and maintained tools, machinery and equipment
- reported unserviceable tools, equipment and machinery.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices of paving, including:
 - landscape paving materials
 - methods and practices for maintaining and repairing paved areas
 - methods of work schedule programming
 - set-out techniques

- paving patterns and techniques, including formal and random
- techniques for laying rigid and flexible paving
- techniques for laying stone paving
- the range and use of required materials, equipment and machinery
- workplace requirements applicable to health and safety in the workplace for implementing a paving project, including appropriate use of PPE.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represent workplace conditions
- resources, equipment and materials:
 - workplace procedures applicable to implementing a paving project
 - materials, tools, equipment and machinery applicable to implementing a paving project
 - PPE applicable to implementing a paving project
- specifications:
 - workplace requirements applicable to health and safety in the workplace for implementing a paving project
 - site plans, design drawings and specifications applicable to implementing a paving project
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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