



Australian Government

RIICTB203E Produce bridge drawings and sketches

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to produce bridge drawings and sketches in civil construction, including two-dimensional, three-dimensional, and orthographic sketches as well as the development of specifications.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

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. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to Produce drawings and sketches	1.1 Access, interpret and apply documentation required to produce bridge drawings and sketches 1.2 Confirm and apply safety requirements according to job and site requirements 1.3 Select plant, tools and equipment required to carry out tasks and check for faults 1.4 Identify, confirm, and locate materials required for work application 1.5 Obtain, interpret and comply with quality requirements, format and

ELEMENT	PERFORMANCE CRITERIA
	drawing conventions 1.6 Select drawing type according to job requirements 1.7 Identify bridge features, site dimensions and orientation, structures and services according to job requirements
2. Create sketches, orthographic drawings and sectional views	2.1 Select drawing medium according to job requirements 2.2 Prepare two dimensional drawings and sketches according to job requirements 2.3 Prepare three dimensional drawings and sketches according to job requirements 2.4 Prepare sectional details of structural elements and elevations according to job requirements 2.5 Include symbols and abbreviations 2.6 Prepare title panels to confirm drawing used is the current version
3. Develop specifications	3.1 Identify purpose of specifications as they relate to bridge drawings 3.2 Identify elements as suitable for use in specifications according to job requirements 3.3 Prepare specifications for a bridge project according to job requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	Calculates basic measurements, including scale and dimension
Oral communication	- Identifies and interprets information from verbal instructions - Conveys information and instructions to others verbally

Unit Mapping Information

Supersedes and is equivalent to RIICTB203D Produce drawings and sketches.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

