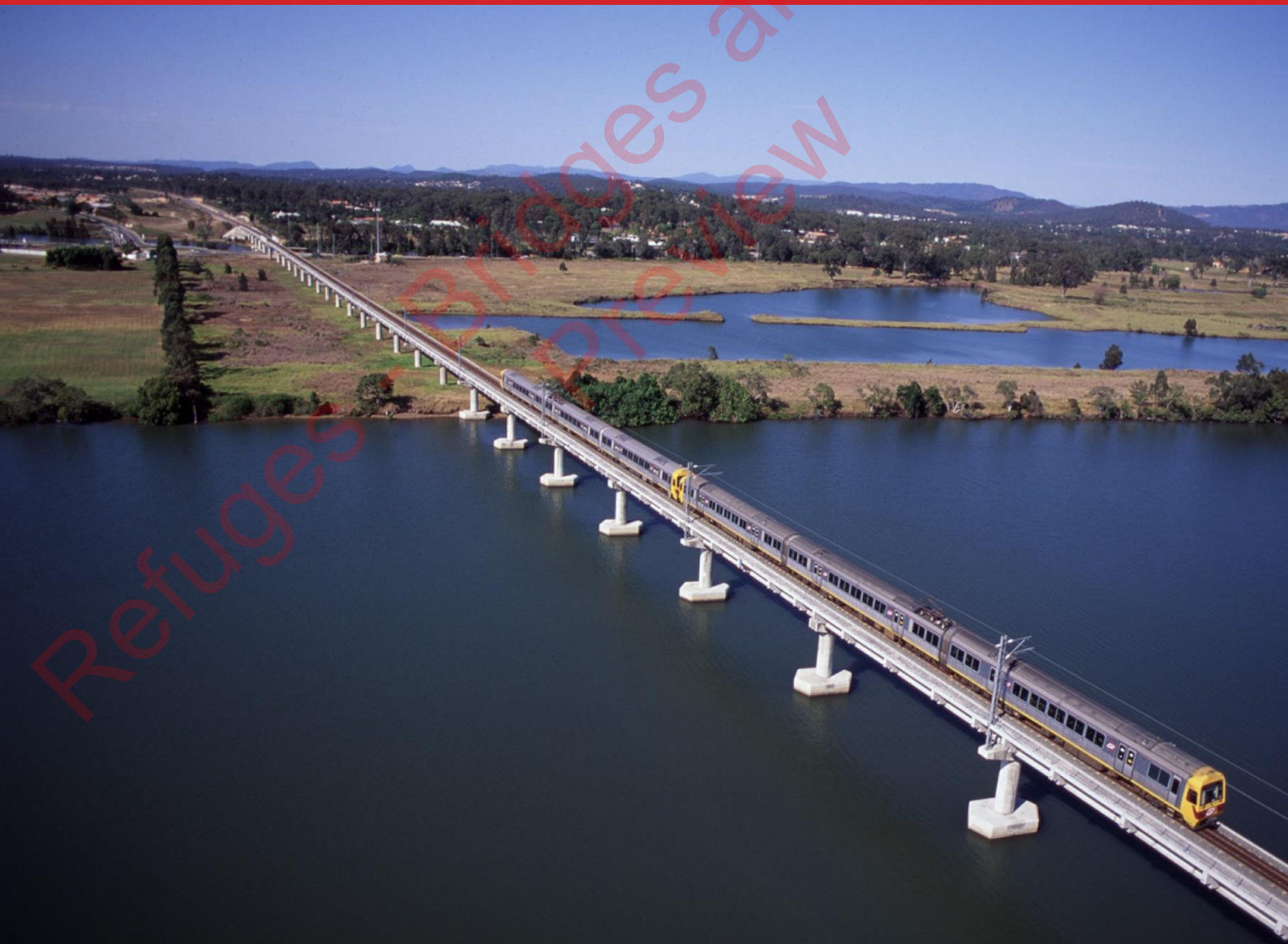


Refuges – Bridges and Tunnels

Guideline



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Document Control

Identification

Document Title	Version	Date
Refuges – Bridges and Tunnels	Final 1.0	22/06/17

Document History

Publication Version	Effective Date	Page(s) Affected	Reason for and Extent of Change(s)
Final 1.0	22/06/17		First Published

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1. Introduction

1.1 Purpose

This guideline sets out the recommended requirements for the provision of refuges at structures within the rail corridor for authorised staff to stand during the passage of trains.

Refuges should not be used as the primary position of safety; they should be used only where authorised staff cannot get to a location which is clear of the Danger Zone during the passage of trains.

This guideline should be applied by rail infrastructure managers (RIM) for all new and existing structures. Where a rail network has older structures, which do not meet the requirements of this guideline, the RIM must carry out risk assessments to ascertain the requirements at each of those structures.

1.2 Scope

This guideline covers the recommended requirements for the provision of refuges at wall structures (such as overbridge abutments, dives, tunnels, retaining walls, air space developments, permanent fences and cuttings) and rail bridges, including culverts.

This guideline is not specifically intended to cover urban on-street tramway or light rail networks, cane railways, or heritage railways operating on private reservation, but items from this guideline may be applied to such systems as deemed appropriate by the relevant RIM.

1.3 Referenced documents

The following documents are referenced in the application of this Guideline:

- AS 1318 SAA Industrial Safety Colour Code
- AS 1319 Safety signs for the occupational environment
- AS/RISSB 7633 Railway Infrastructure: Track Clearances
- AS/RISSB 7636 Railway Infrastructure – Railway Structures - Infrastructure

1.4 Definitions

Kinematic Envelope (KE): A two-dimensional cross-sectional representation of the swept path of a particular vehicle.

Safe place:

- A place where workers and equipment cannot be struck by rail traffic.
- A place where no track worksite protection is provided and is either –
 - a properly constructed refuge to an approved design,
 - behind the safety line on a platform,
 - a place where a structure or physical barrier has been erected to provide protection but includes subways and overhead bridges,
 - a place that is not on or near the track.