



AUSTRALIAN RAIL TRACK CORPORATION LTD

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Engineering Practices Manual Civil Engineering

Tamping Depth for Concrete Turnout Ties

RCSI 030

Issue A, Revision 0

March 2006

1 Purpose

To specify the additional tamping depth required to allow for the greater depth of concrete bearers and special plating.

2 Reason and nature of change

Document reissued as ARTC Engineering Practice Manual.

3 Detail

For tamping concrete turnout ties, tynes on turnout tamping machines are to be set to a depth of 550mm below rail. This allows for a depth of 445 to 450mm to the underside of sleeper and an additional 100mm for the tamping tyne operation. The tamping depth must be restored to normal for timber turnout bearers. Failure to set the additional depth for concrete will cause damage to the concrete ties and failure to reset the depth for timber may cause the tynes to punch through the capping.