



AUSTRALIAN RAIL TRACK CORPORATION LTD

Ref No: 08-08-09-002

File No: TA.2005_03_NSW_01.

**New Equipment & Systems Approval -
Steel Level Crossings at low road usage crossings e.g.
Accommodation (Cocky's) Crossings**

1. Determination of Need

The Southern and Western Regions of ARTC through their Compliance Manager have requested Type Approval for the installation of steel level crossings in low usage situations e.g. accommodation or Cocky's crossings usually on seasonal grain lines, etc.

These crossings would normally carry only up to approximately 20 vehicles per day and at very slow speed. There would be no significant public pedestrian access.

They are economical to install and, most importantly, can be readily removed for track resurfacing, sleeper and fastening inspections. They also do not contaminate the ballast or detrimentally affect drainage as some other methods can do e.g. hot mix crossings.

2. Significant Change or Not

This change in equipment is assessed as MINOR

3. Review Panel

- John Cowie - Manager, ISP, Standards and Systems
- Tim Calver - Standards and Technical Services Engineer
- Ian Domleo – Senior Track and Civil Consultant

4. Equipment Suitability e.g. usage elsewhere

The Assistant Corridor Manager, Hunter and Delivery Manager, North West confirm that approximately 100 such installations have been successfully completed in past in the North Coast and the Hunter regions. RIC issued waivers 04 230 & 04 228 covering usage on the former RIC controlled lines.



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5. Approval

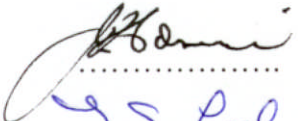


Approval is granted for installation to proceed at any appropriate site on ARTC tracks – subject to the conditions below.

6. Conditions of Approval

- Only to be installed where very low density of slow speed road traffic and where there is insignificant public pedestrian usage.
- Usage to be endorsed by the local Corridor/Asset Manager on a site by site basis.
- Design may be modified to suit sleeper type/conditions on site.
- Corridor Manager to list installations on a suitable register.
- Track Patrols are to visually check for integrity of level crossings during normal hirail patrols including - general damage, flange-way clearance and for any debris, especially metal items, which could affect signalling.
- Crossings to be inspected during walking inspections to ensure crossing is fully functional e.g. all fixings are secure, crossing is not significantly damaged, height is within limit of 15 mm max above rail, flange ways are clear and no debris is accumulating that could affect signalling.

7. Sign off

Review Panel:

John Cowie		Date	15.3.2005
Tim Calver		Date	15/3/05
Ian Domleo		Date	15.3.05

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