AUSTRALIAN RAIL TRACK CORPORATION LTD

Ref No: 08-08-09-003

File No: TA.2005_03_NSW_03.

New Equipment & Systems Approval –

Treated timber walkways for pedestrian crossings.

1. Determination of Need

The Southern and Western Regions of ARTC through their Engineering Compliance Manager have requested Type Approval for the installation of treated timber walkways for pedestrian crossings.

This method of construction is cost effective and allows components to be readily removed for track resurfacing, sleeper and fastening inspections. Other options such as hotmix crossings do not allow easy removal for maintenance. They may also adversely affect drainage.

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 Engineering Compliance Manager advises that a crossing of this type was successfully installed at Junee on the Main Southern Line over 12 months ago.

5. Approval

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

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Off Sir Donald Bradman Drive, Passenger Rail Terminal Rd, Mile End SA 5031; PO Box 10343, Gouger St, Adelaide SA 5000

6. Conditions of Approval

- Only to be installed where grades/alignment are suitable.
- Usage to be endorsed by the local Corridor/Asset Manager, on a site by site basis.
- Design to be modified to suit site.
- Track Patrols are to visually check for integrity of crossings including general damage, flange-way clearance and for any debris.
- Crossings to be inspected during walking inspections to ensure:
    - Surface is suitable for wheelchair and pedestrian traffic i.e. with no deep holes or sharp grades.
    - Height is within limit of 15 mm max above rail, with smooth runups/runoffs.
    - All fixings are secure,
    - Deflector plates remain effective,
    - Flange ways are clear and no debris is accumulating.

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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