



AUSTRALIAN RAIL TRACK CORPORATION LTD

Ref No: 08-08-11-038

Ref No: projects/south/06-07/CRN 06-07/

**New Equipment & Systems Approval -
Strail Rubber Level crossing**

1. **Determination of Need:** Presently only 2 modular level crossing systems are approved by ARTC. One is a concrete panel and the other is a steel level crossing surface. Alternatives are required so supply times and most cost efficient prices can be obtained. Strail offers an acceptable alternative for low volume low speed (50Kph) level crossing. Modular systems allow quick and cheap track rectification as the panels can be removed. Normal concrete and bitumen surfaces do not have this advantage.

The first crossing proposed to be installed is a double track on the Main South, Kowcumbra Rd, Cootamundra 430.700 Km. Kowcumbra Rd is a tarred main street leading out of town. The road speed is 50 Kph and it is used mainly by cars and some trucks. The road is NOT a B double route. The level crossing is one lane each way and is approximately 9 m wide. Technical details for the Strail Modular panels are attached.

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. **Approval**

Approved for use where suitable across the ARTC network.

5. **Conditions of Approval**

- Install as per manufacturers instructions

6. **Sign off
Review Panel:**

John Cowie *per signed original* Date 07/08/2006

Tim Calver *per signed original* Date 07/08/2006

Ian Domleo *per signed original* Date 07/08/2006



STRAIL

with locking system

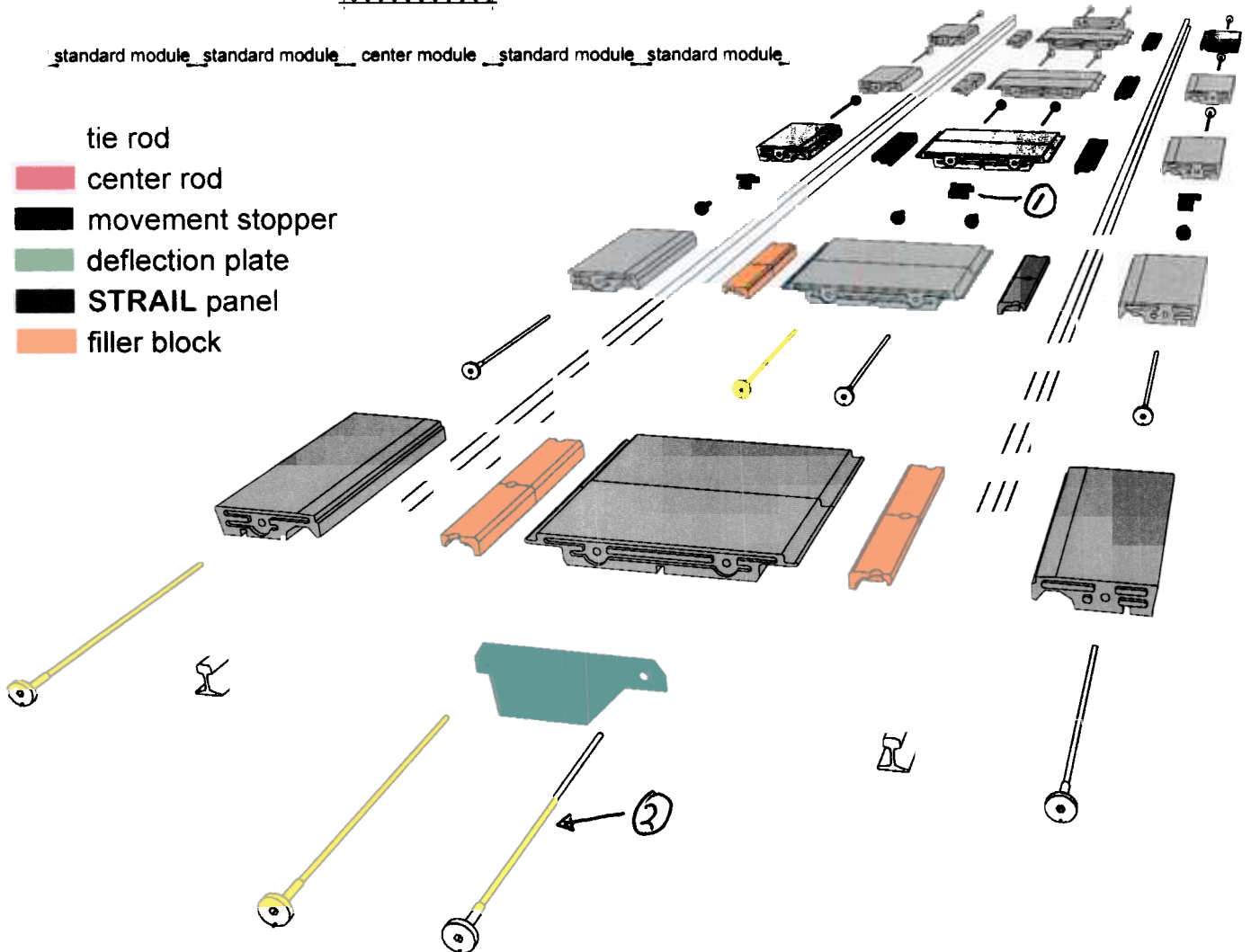
length of crossing

deflection plate



standard module standard module center module standard module standard module

- ② tie rod
- center rod
- ① movement stopper
- deflection plate
- STRAIL panel
- filler block



Subject to technical alterations
02.03.99/LHA/Index B

