



# Sydney Tramway Museum

Owned and Operated by the Volunteers of the  
South Pacific Electric Railway Cooperative Society Ltd  
ABN 70 329 300 628

Corner Pitt Street & Rawson Ave (Old Princes Hwy) Loftus NSW  
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## TRAFFIC / SAFETY NOTICE

STM Traffic / Safety Notice No. **1503**

**TITLE: Upgrade The Princes Highway Level Crossing Control System**

**DATE OF OPERATION:** Immediate

### **DETAILS OF NOTICE:**

In summary, it is designed to support convoy operation without needing to switch to manual mode. A timer is started as a tram passes onto the roadway, and the crossing warning will not cease operating until that timer runs down to zero. In convoy working, the timer is reset as each tram passes onto the roadway, so that the final tram of a convoy has the protection for the minimum time.

Presently the timer is set to 19 seconds, based on observations over several days last year, and validated in formal testing early this year.

The timing is actually divided into 2 stages, an initial 15 seconds and a further 4 seconds. If a tram completes crossing in less than 15 seconds, the warning WILL NOT cease operating. Based on the observations and testing, this should not happen unless the tram is quickly advanced to full parallel while crossing the road. Trams are not to exceed full series speed when crossing the road.

- If a tram completes crossing between 15 and 19 seconds, the control system will register the completion, but the warning will continue operating until the full 19 seconds has elapsed.
- At the end of the 15 seconds, the 'T' indication will change back to the bar '-' indication. If in convoy operation a following car is approaching and the driver observes this change before they reach the road, they should try to stop before the loop detector - the warning may cease before the tram reaches the road. If unable to stop before reaching the detector, but the detector is reached before the warning has ceased operating, the indicator will change to 'T' again and the timing will be re-started; if road traffic has remained stopped the tram may then be driven across the road. Tram crew are reminded to monitor the flashing yellow lights on the departure side of the crossing, if the crossing does not cease operating then the driver will have to stop and use the Manual Stop button located in the box on the pole below the flashing lights.

Departments Effected Traffic: Yes/XX Workshop: XX/NO      Infrastructure: YES/XX

Persons Issuing the Notice: Name: Martin Pinches      Title: Traffic Manager

Signature: **Martin Pinches**

Name: Ian Saxon

Title: Rail Safety Manager

Signature: *Ian A Saxon.*

Date of Issue: 30 / 5/2015      .Authorised by: **Martin Pinches**

**DATE TO BE REMOVED FROM NOTICE BOARDS: Until Further Notice Copies to:**

*Be placed on Notice Boards in Traffic Office and Workshop. Copies: STM Secretary RSM (for registering and filing). Traffic Manager (for distribution to Traffic Staff)*