

ANPR 717

Using Emergency Roadside Warning Equipment

Applicability

NSW

SMS

Publication Requirement

External Only

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Introduction

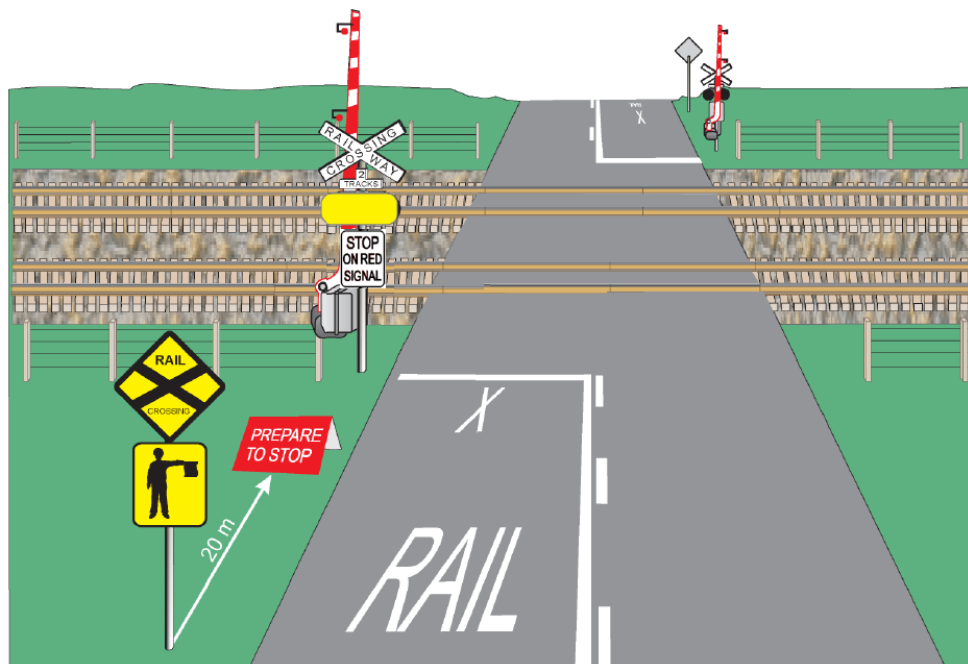
Emergency roadside warning equipment is used to warn road and pedestrian traffic at Type F *level crossings* if warning equipment:

- cannot be operated, or
- is to be disconnected.

It consists of:

- yellow covers for flashing lights
- combined RAIL CROSSING and HANDSIGNALLER signs
- PREPARE TO STOP signs
- hand held STOP signs.

Figure ANPR 717-1



Emergency roadside warning equipment applied to Type F level crossing warning equipment

NOTE

Where necessary, emergency roadside warning equipment must be used on both sides of the crossing.

Setting up emergency roadside warning equipment

Handsignaller

1. If emergency roadside warning equipment is needed, arrange with the *Maintenance Representative* to get the equipment.
2. Get the Test and Emergency keys from the controlling *location*.
3. Compile or make sure that an Infrastructure Booking Advice has been compiled in accordance with the requirements of Rule ANWT 312 Infrastructure Booking Advice.
4. Cover the existing roadside advance warning signs with the combined RAIL CROSSING and HANDSIGNALLER signs.

Figure ANPR 717-2



Advanced warning sign

Figure ANPR 717-3



Combined RAIL CROSSING and HANDSIGNALLER signs

5. Place a PREPARE TO STOP sign 20m closer to the level crossing than the combined RAIL CROSSING and HANDSIGNALLER signs.

Figure ANPR 717-4



PREPARE TO STOP sign

6. Place yellow covers over the level crossing lights.
7. Open the Test and Emergency boxes.
8. Insert the keys in the Emergency switches.
9. Set Emergency switches to OFF.
10. Tie a rope to the top cross-brace of each road boom.
11. Fully raise the booms by hand and tie them to the post.



Be careful not to damage booms.

12. Do not tie pedestrian boom arms.

Managing road and pedestrian traffic

Handsignaller

1. Raise pedestrian booms or open gates, as required, to allow pedestrians to cross.
2. When *rail traffic* approaches the level crossing, use the hand-held STOP sign to stop road and pedestrian traffic.
3. Make sure that pedestrian gates are closed, or pedestrian booms are lowered.
4. After road and pedestrian traffic has stopped, give a PROCEED *handsignal* to the *Driver* or *track vehicle operator*.
Make sure that road and pedestrian traffic does not act on your signal.
5. When rail traffic has fully cleared the level crossing, and if no other rail traffic is approaching, direct road and pedestrian traffic to proceed.

Resuming normal operation

Network Control Officer

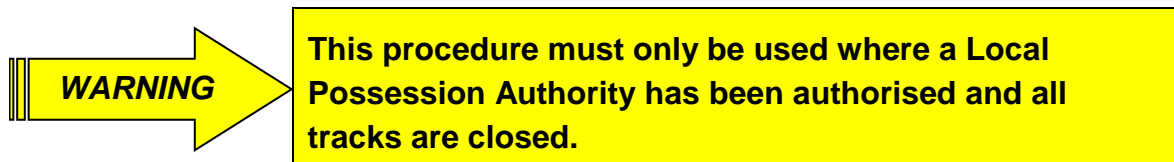
When told by the *Maintenance Representative* that the warning equipment is *certified* as working correctly:

1. Tell *Handsignallers* to test the level crossing and restore it to normal operation.
2. Record the details in *permanent form*.

Handsignaller

3. Make sure that the Test switch is set to NORMAL.
4. Make sure that all Emergency switches are ON.
5. Make sure that the Manual Control switch (if fitted) is OFF.
6. Remove the keys from the Emergency switches.
7. Untie ropes from the post.
8. Set the Test switch to TEST.
9. Check that all warning equipment works correctly.
10. Untie ropes from the top cross-brace of road booms.
11. Return the Test switch to NORMAL.
12. Check that all warning equipment stops operating.
13. Remove emergency roadside warning equipment.
14. Lock the Test and Emergency boxes.
15. Tell the Network Control Officer that the level crossing is operational.
16. Complete the Infrastructure Booking Advice once the TEST has been completed and the equipment has been certified as working correctly.
17. Arrange for emergency roadside warning equipment to be returned.
18. Arrange for the Test and Emergency keys to be returned to the controlling location.

Setting up emergency roadside warning equipment within a Local Possession Authority



The Possession Protection Officer for the *Local Possession Authority* (LPA) must make sure that all tracks are located within the limits of the LPA.

The Possession Protection Officer for the Local Possession Authority and Protection Officer for the worksite must confirm the Type F level crossing is:

- located within the Local Possession Authority limits, and
- located within the worksite limits.

Protection Officer

The Protection Officer must:

1. Protect the worksite (all tracks) inclusive of the Type F level crossing as described in ANPR 700 Using a Local Possession Authority.
2. In addition to the worksite protection, place:
 - a STOP sign / red light clamped to the head of the left-hand rail for approaching rail traffic on all tracks on each side clear of the Type F level crossing, or
 - stop blocks or jersey kerbs with a red flag / red light on all tracks on each side clear of the Type F level crossing.
3. Get the Network Controller's permission to temporarily book out of use the level crossing warning equipment.

Competent Worker

1. Get the Test and Emergency keys and emergency roadside warning equipment from the controlling location.
2. Make sure that the level crossing warning equipment has been temporarily booked out of use by a Maintenance Representative in accordance with the requirements of Rule ANWT 312 Infrastructure Booking Advice.

NOTE

The Maintenance Representative must not deactivate the warning equipment until the road booms are secured in the fully raised position.

3. Open the Test box.
4. Activate the warning equipment to stop road and pedestrian traffic by setting the Test switch to TEST.

WARNING

Do not allow road and pedestrian traffic to proceed while warning equipment is operating.

5. Tie a rope to the top cross-brace of each road boom.
6. Deactivate warning equipment to allow road and pedestrian traffic to proceed by setting the Test switch to NORMAL.
7. Tie the road booms securely in the fully raised position to the post.

NOTE

Be careful not to damage booms.

8. Cover the existing roadside advance warning signs with the combined RAIL CROSSING and HANDSIGNALLER signs.

Figure ANPR 717-5



Advanced warning sign

Figure ANPR 717-6



Combined RAIL CROSSING and HANDSIGNALLER signs

9. Place a PREPARE TO STOP sign 20m closer to the level crossing than the combined RAIL CROSSING and HANDSIGNALLER signs.

Figure ANPR 717-7



PREPARE TO STOP sign

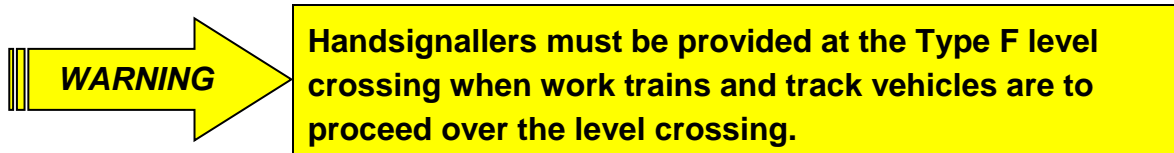
10. Place yellow covers over the level crossing lights.
11. Where pedestrian booms or gates are provided:
- tie a rope to each pedestrian boom arm in the fully raised position to the post,
 - or
 - tie the pedestrian escape path gate in the open position.

NOTE

Pedestrian traffic will operate through the escape path gate which is tied in the open position or through the pedestrian path where the boom is tied up.

12. When the Type F level crossing warning equipment has been deactivated, lock the Test box.

Managing road and pedestrian traffic



Protection Officer

Before work trains and track vehicles are to proceed over the level crossing, the Protection Officer must:

1. Place Handsignallers at the level crossing.
2. Where pedestrian booms or gates are provided;
 - untie each pedestrian boom arm and make sure they are in the lowered position, or
 - untie the pedestrian escape path gates and make sure they are in the closed position.
3. Remove from the track the STOP signs / red lights or stop blocks or jersey kerbs and red flags / red lights from each side of the level crossing that the work train or track vehicle is to proceed.
4. Tell the Handsignallers the STOP signs / red lights or stop blocks or jersey kerbs with red flags / red lights have been removed, and where provided that the pedestrian booms are in the lowered position or the pedestrian escape path gates are closed.

Handsignaller

1. When rail traffic approaches the level crossing, use the hand-held STOP sign to stop road and pedestrian traffic.
2. Make sure that pedestrian gates are closed, or pedestrian booms are lowered.
3. After road and pedestrian traffic has stopped, give a PROCEED handsignal to the Driver or track vehicle operator.
Make sure that road and pedestrian traffic does not act on your signal.
4. When rail traffic has fully cleared the level crossing, and if no other rail traffic is approaching, direct road and pedestrian traffic to proceed.

Resuming normal operation

Protection Officer

1. When told by the Maintenance Representative that the warning equipment is certified as working correctly:
 - test the level crossing and restore it to normal operation, or
 - tell Handsignallers to test the level crossing and restore it to normal operation.
2. Remove from each track the STOP signs / red lights or stop blocks or jersey kerbs and red flags / red lights on all tracks on each side of the Type F level crossing.
3. Make sure that the level crossing warning equipment has been booked into use by a Maintenance Representative.

Competent Worker

1. Make sure that the Test switch is set to NORMAL.
2. Make sure that all Emergency switches are ON.
3. Make sure that the Manual Control switch (if fitted) is OFF.
4. Untie ropes from the post.
5. Where provided, untie pedestrian boom arms or pedestrian escape path gates.
6. Set the Test switch to TEST.
7. Check that all warning equipment works correctly.
8. Untie ropes from the top cross-brace of road booms and pedestrian booms.
9. Return the Test switch to NORMAL.
10. Check that all warning equipment stops operating.
11. Remove emergency roadside warning equipment.
12. Lock the Test box.
13. Tell the Network Control Officer that the level crossing is operational.
14. When the TEST has been completed and the equipment has been certified as working correctly, ensure the Infrastructure Booking Authority is completed.

15. Arrange for the Test and Emergency keys and the emergency roadside warning equipment to be returned to the controlling location.
16. Record the details in permanent form.

Related ARTC Network Procedures

ANPR 704	Using Infrastructure Booking Advices
ANPR 715	Protecting Type F level crossings

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23 February 2020