

## SECTION 230

## GENERAL REQUIREMENTS FOR LEVEL CROSSINGS

### Definitions and abbreviations

**1** The following definitions and abbreviations shall apply:

(i) AFIGP - Agreed Final Installation Ground Plan.

The AFIGP graphically depicts the physical arrangements including the existing services and all associated required dimensions for all items of road and rail infrastructure appertaining to the level crossing installation and its protection system.

(ii) UTX - Undertrack crossing,

(iii) URX - Under road crossing,

(iv) REB - Relocatable equipment building.

(230.001)

### Agreed Final Installation Ground Plan

**2** Construction work at a public vehicular level crossing shall not commence without the AFIGP specific to the crossing.

Construction work at non-public vehicular level crossings may commence without an AFIGP provided prior approval is obtained from the Employer's Representative.

All construction work Site shall be carried out in accordance with the AFIGP.

(230.002)

### Railtrack's Level Crossing Standard Drawings

**3** Construction work at level crossings shall be carried out in accordance with the relevant Level Crossing Standard Drawings. A list of Level Crossing Standard Drawings to be used in this Contract is shown in Appendix 230A.

(230.003)

### Positioning of equipment

**4** Liaison with other contractors on the Site shall be carried out by the Contractor to ensure crossing equipment (permanent or temporary) is located to avoid existing or proposed equipment (permanent or temporary) to be supplied by other contractors.

Telecommunications equipment shall be located such that telecommunications service providers may maintain their service without access to the track.

(230.004)

### Sight lines

**5** Level crossing equipment or infrastructure (permanent or temporary) shall be positioned so as not to impair visibility of sight lines to the level crossing for pedestrian, vehicular or rail traffic. Vegetation shall be trimmed back as necessary where specified on the AFIGP in accordance with Sections 255 - 257: Management of Lineside Vegetation.

(230.005)

**Method statement  
to be submitted  
with the Tender**

- 6** Further to Railtrack Line Standard RT/LS/S008, an outline method statement for construction of the level crossing(s) shall be submitted with the Tender. The outline method statement shall include but not be limited to the following:
- (i) the proposed method of excavation for the UTX(s) and URX(s),
  - (ii) details of absolute possessions required for the level crossing works, and a list of work proposed to be carried out in such possessions,
  - (iii) details of protection (TII) required for the level crossing works and a list of such work proposed to be carried out under such protection,
  - (iv) details of electrical isolations of electrical traction supply required for the level crossing works, and a list of work to be carried out in such isolations,
  - (v) details of road or footpath closures required for the level crossing works,
  - (vi) method of installation of level crossing equipment including craneage where necessary.
- (230.006)

**Detailed method  
statement**

- 7** Further to Clause 230.007 a detailed method statement shall be submitted to the Employer's Representative for acceptance not less than two weeks before start of the relevant work. The level crossing works shall not commence until the detailed method statement has been accepted by the Employer's Representative.
- (230.007)

**Construction  
works requiring  
absolute  
possessions**

- 8** The following items of work at level crossings shall be carried out under absolute possession:
- (i) all construction involving permanent-way renewal or alteration,
  - (ii) all construction involving level crossing surfacing systems.
- The following items of work at level crossings may be required to be carried out under absolute possessions:
- (i) construction of undertrack crossings,
  - (ii) construction of under road crossings which lie between the level crossing stop lines,
  - (iii) excavations for turning chambers,
  - (iv) positioning of relocatable equipment buildings (REBs) and portaloos,
  - (v) positioning and erection of camera and lighting columns.
- (230.008)