

TNZ P/16: 1993

SPECIFICATION FOR THE INSTALLATION OF EDGE MARKER POSTS

1. SCOPE

This specification covers the installation of edge marker posts, either for newly constructed or upgraded sites.

2. RESPONSE TIMES

All posts will be in place prior to the first day's trafficking for new construction sites. For upgraded sites no gaps shall be allowed in the specified positions of the edge marker posts overnight.

3. PRIOR APPROVAL

Before commencing work the contractor shall submit a programme for approval by the Engineer.

4. MATERIALS

Unless the contract involves relocation of existing marker posts they shall be new plastic posts and comply with TNZ M/14.

Where the contract involves relocation of existing posts:

- (a) Plastic posts may be reused provided they are intact, are washed, new reflectors are installed, and the red band intact.
- (b) Wooden posts may be reused provided they are repainted (including the red band) with a high quality gloss paint applied in accordance with the manufacturer's instructions. New reflectors shall also be installed.

5. INSTALLATION

New or refurbished posts shall be installed in accordance with the guidelines given in the Manual of Traffic Signs and Markings. Additional details may be supplied elsewhere in the contract documentation.

Each installed post shall be:

- within 5° of vertical;
- within ± 2 metres from the specified longitudinal position except when obstructions such as drive ways, side roads etc are apparent. In this case a post shall be placed on either side of the driveway, side road, etc, and then placed progressively away from these posts. Where possible the gap between the posts shall not be greater than the specified spacing. It also preferable that post spacing are not reduced by more than 20%.
- within ± 100 mm from the transverse position specified by the Engineer; and
- shall not have greater than 10° twist from the specified direction.

Marker posts shall be firmly installed in a vertical position with the top 900 mm above the nearest white edge line or above the edge of the carriageway where no edge line is marked.

The minimum embedment length, unless otherwise specified by the Engineer, shall be:

- (a) 300 mm for posts with retaining clip approved by the Engineer;
- (b) 400 mm for posts without approved retaining clip; and
- (c) 300 mm for posts comprising type approved barb retaining anchorage installed with not with less than 200 mm embedment from the top of the barb to the surface. Those posts with type approval appear in TNZ M/14 Notes.

The minimum marker post length is specified in TNZ M/14.

6. PERFORMANCE CRITERIA

The performance of the contractor will be assessed by the following criteria:

- (a) All edge marker posts are installed in accordance with this specification and the programme specified.
- (b) Posts remain within specified tolerances for twist, verticality and embedment length.
- (c) Installed posts cannot be pulled vertically out of the ground by hand.
- (d) Installed posts cannot be tilted or swivelled permanently about their axis by hand.

7. BASIS OF PAYMENT

Payment shall be an all inclusive rate for each post installed for:

- (a) the supply and installation of posts; or
- (b) refurbishment and relocation of posts supplied by client.