

54.16 BREAKAWAY STEEL POSTS FOR HIGHWAY SIGNS

54.16.1 GENERAL

The Work consists of the removal and salvage or disposal and the supply and installation of breakaway steel posts to support major highway signs.

54.16.2 MATERIALS

The Contractor shall supply steel posts and all necessary mounting hardware as shown on drawing TEB 1.82. All bolts and hardware shall be galvanized.

The Contractor shall provide the Engineer with the material manufacturer's certification that the material meets the Department's specifications.

The Contractor shall supply zinc-rich paint (i.e. galvicon or equivalent) for repairs to any damaged galvanized surfaces.

54.16.3 EQUIPMENT

The Contractor shall supply all equipment necessary to complete the Work.

54.16.4 PROCEDURE

Traffic control and signing shall be performed in accordance with Specification 55.1, Traffic Accommodation and Temporary Signing.

When required, the Contractor shall remove the breakaway steel posts and signs from the concrete bases and either salvage or dispose of the material as determined by the Engineer. Salvaged materials shall be hauled to the new installation site. The sign and breakaway steel posts shall be reassembled if necessary, and installed on the base at the new site. Installations shall conform to drawing TEB 1.82. The installed post shall be within 1.5 degrees of vertical.

When new posts are required the size of steel I-Beam post will be as shown on the drawing or specified by the Engineer or in the case of a replacement, it will be the same size as the post being replaced.

Damage to galvanized surfaces shall be repaired by treating the damaged areas with galvicon.

54.16.5 TIME TO COMPLETE

All Work shall be completed within 60 calendar days of the issuance of the Work Order

54.16.6 MEASUREMENT AND PAYMENT

54.16.6.1 Measurement

Measurement will be in metres of post supplied and installed.

Measurement will be made of the number of steel posts removed and disposed of, and the number of steel posts removed, salvaged and reinstalled.

54.16.6.2 Supply and Install

Payment will be made at the applicable unit price bid per metre for:

- "Supply and Install Breakaway Steel posts - 6B 8.5"
- "Supply and Install Breakaway Steel Posts - 8B 10"
- "Supply and Install Breakaway Steel Posts - 6WF 15.5"
- "Supply and Install Breakaway Steel Posts - 8WF 17"

This payment will be full compensation for supplying and installing the post, traffic accommodation and signing, and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

54.16.6.3 Remove and Reinstall

Payment will be made at the unit price bid per steel post for "Remove and Reinstall Breakaway Steel Posts". This payment will be full compensation for removing and salvaging the steel post and sign, hauling salvaged material to the new site, reassembling and installing the steel post and sign, traffic accommodation and signing, and all labour equipment, tools and incidentals necessary to complete the Work.

54.16.6.4 Remove and Dispose

Payment will be made at the unit price bid per steel post for "Remove and Dispose Breakaway Steel Posts". This payment will be full compensation for removing and disposing of the steel post, traffic accommodation and signing, and all labour, equipment, tools and incidentals necessary to complete the Work.

54.16.7 WARRANTY

The warranty period for the installation of steel posts shall be 1 year. The warranty period for the galvanized integrity of the new posts shall be 2 years.