

53.22 PERMANENT PAVEMENT MARKINGS

53.22.1 GENERAL

The Work consists of supplying and applying various permanent pavement markings.

53.22.2 MATERIALS

The Contractor shall supply materials from the Alberta Transportation Recognized Products list. The use of other materials will be subject to the approval by the Engineer.

53.22.3 PROCEDURE

Dimensions of pavement markings shall comply with drawings TEB 2.26, TEB 2.29, TEB 2.30, TEB 2.31, TEB 2.32, TEB 2.33, TEB 2.34, TEB 2.35 and TEB 2.37 and the attached Figures TCS-C-4.08, TCS-C-4.09, TCS-C-4.10 and TCS-C-4.11. The dimensions shown are in millimetres unless otherwise indicated.

The Contractor shall conform to the manufacturers recommended procedures, or the best industry standard, for material handling, storage, installation and disposal. The Contractor shall provide a copy of the manufacturer's recommended procedures to the Engineer prior to commencing the Work.

When permanent markings are required in areas where there are no existing messages or where revisions to the existing messages are required, the positioning of the pavement messages will be determined by the Engineer.

The Contractor shall inspect the work area and perform any sweeping or cleaning of the pavement surface which is required.

The Contractor shall leave the work area in a clean condition after installation of the marking.

53.22.4 TIME TO COMPLETE

The Contractor shall complete the Work within 90 calendar days of the issuance of the Work Order.

53.22.5 ACCEPTANCE CRITERIA

Evaluation of the Work will be based on a visual inspection by the Engineer. To be acceptable, markings must be correctly applied regarding location, colour, size, alignment (within 2° measured from the painted centreline), and have a uniform appearance for colour and reflectivity.

To be acceptable during the warranty period the markings shall:

- ! not lift from the pavement,
- ! exhibit no material loss within 4 weeks of installation,
- ! not deteriorate by contact with sodium chloride, calcium chloride or traffic residue,
- ! show no appreciable deformation or discolouration under exposure to traffic and road temperatures between -40°C and 40°C and,
- ! maintain their original dimension and placement without chipping or cracking.

53.22.6 MEASUREMENT AND PAYMENT

Measurement will be in square metres (to the nearest tenth of a square metre) of the area of the markings applied.

Payment will be made at the unit price bid per square metre for "Permanent Pavement Marking, Tape-Supply and Install", or the unit price bid per square metre for "Permanent Pavement Marking, Thermoplastic - Supply and Install". These payments will be full compensation for inspecting the work areas, cleaning the pavement surface when necessary, supplying and applying the permanent marking material, cleaning the work site after installation, and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

53.22.7 WARRANTY

The warranty period for this Work shall be 1 year for workmanship of the Contractor, with the manufacturer's warranty for the material as applicable (minimum of 3 years). The warranty period for Stop Bars only will be 1 year.







