

54.12 SUPPLY OF PERMANENT HIGHWAY SIGNS

54.12.1 GENERAL

The Work consists of supplying highway signs to the worksite.

54.12.2 MATERIALS

All materials supplied by the Contractor shall be in accordance with the Alberta Transportation Recognised Products list. The Contractor is responsible for ensuring that the material provided meets the specified characteristics.

The Contractor shall supply all signs in accordance with the Schedule of Signs, or as specified by the Engineer.

For the purpose of this specification, the type of sign supplied shall be defined as "Standard" or "Non-Standard". Signs manufactured on 2 mm flat tension levelled aluminum backing are considered Standard Signs. Signs manufactured on 3/4" plywood or extruded aluminum are considered Non-Standard Signs.

The Contractor shall ensure that all signs are marked with the name of the manufacturer and the date of manufacture.

54.12.3 PROCEDURE

The Engineer will specify the type of sign required including:

- ! Dimensions of the sign
- ! Dimensions of the lettering
- ! Colours of the sign

54.12.4 TIME TO COMPLETE

This Work shall be completed in conjunction with the installation of the sign and the supply and installation of the sign post where applicable.

All signs shall be supplied in sufficient time to meet the installation requirements as shown in Specification 54.13, Maintenance of Highway Signs.

54.12.5 ACCEPTANCE CRITERIA

The Work will be accepted when the materials conform to the following requirements:

54.12.5.1 Sheeting Material

Lettering and symbols shall be clear and legible and of the required retro-reflectivity. The sheeting shall be applied free of blistering, delaminations, peeling or chipping, with no discolouration or fading.

54.12.5.2 Backing (Substrate)

54.12.5.2.1 Wood

Panels shall be straight and smooth with no warping, bending, twisting or splitting; and shall be sealed to prevent swelling.

54.12.5.2.2 Aluminum

Aluminum panels shall be straight with no warping, bending, twisting or splitting and shall not tear or deform at connections.

54.12.6 MEASUREMENT AND PAYMENT

54.12.6.1 General

Measurement for supplying signs will be made in square metres of the actual surface area of each sign of the applicable type and category.

When a sign contains more than "one print", measurement will also be made of the number of extra ink prints required to manufacture the completed sign. A two colour sign is considered to be one print; that is, the background colour plus a one colour message. A three colour sign requires two printings and a four colour sign requires three printings.

54.12.6.2 Supply of Standard Signs

Bid items for Standard Signs will be categorized according to size ranges. Payment will be made at the unit price bid per square metre (actual area) for a one print sign under the applicable category as follows:

- ! Standard Signs, 0.27 m² and under - Supply
- ! Standard Signs, 0.28 m² to 0.45 m² - Supply
- ! Standard Signs, 0.46 m² to 0.56 m² - Supply
- ! Standard Signs, 0.57 m² to 1.44 m² - Supply
- ! Standard Signs, 1.45 m² and over - Supply

Payments will be full compensation for supplying the one-print signs to the worksite, and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

When extra prints are required, they will be paid for at the unit price bid per print for "Extra Prints." This payment will be full compensation for all labour, materials, equipment, tools and incidentals necessary to complete the Work.

54.12.6.3 Non-Standard Signs

Payment for Non-Standard Signs will be made at the applicable unit price bid per square metre for "Non-Standard Signs, 3/4" Plywood - Supply" or "Non-Standard Signs - Extruded Aluminum - Supply". Payments will be full compensation for supplying the signs to the worksite, and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

54.12.7 WARRANTY

The warranty period for this Work shall be 2 years. All materials shall meet the requirements of Section 54.12.5, Acceptance Criteria for the entire warranty period.