

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

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

In the Schedule of Signs, all sign patterns shall conform to the Uniform Traffic Control Devices of Canada Sign Pattern Manual or to the Alberta Transportation and Utilities Sign Pattern Manual. All other signs shall be as specified by the Engineer.

All lettering on signs shall conform to the series Type Highway Font from the Standard Alphabet for Highway Signs, available from the Federal Highway Administration (CHTO-20), Washington, D.C., 20590, unless otherwise specified by the Uniform Traffic Control Devices of Canada Sign Pattern Manual or the Alberta Transportation and Utilities Sign Pattern Manual.

The Contractor shall supply the Engineer with certification from the supplier that the signs conform with the specifications.

54.12.2.1 Material Specifications:

54.12.2.1.1 Reflective Sheeting

- Level I - Highest Reflectivity, wide angle, long durability sheeting

54.12.2.1.2 Backing

- Plywood - Sanded one side
 - ½" 100/100 or 120/120 Hi-Density
 - ¾" 100/100 or 120/120 Hi-Density

- Aluminum
 - Extruded aluminum for major signs, Alcan Shape #73247 anodize treatment.
 - Aluminum for standard signs from the Schedule of Sign shall be one of the following or equivalent:
 - (i) Alcan S-67
 - (ii) 5083-H32
 - (iii) 6061-T6
 - (iv) Reynolds 5154

54.12.3 PROCEDURE

The Engineer will specify required signs from the Schedule of Signs.

When signs not included in the Schedule of Signs are required, the Engineer will provide the following information:

- Dimensions of the sign
- Dimensions of the lettering
- Colours of the sign
- Material specifications

The Contractor shall only purchase signs from a 3M certified supplier.

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.

Critical signs, "Stop" and "Yield," shall be supplied immediately upon request.

Warning and regulatory signs shall be supplied within 10 calendar days of the issuance of the Work Order.

All other standard signs listed in the Schedule of Signs shall be supplied within 30 calendar days of the issuance of the Work Order.

Signs not listed in the Schedule of Signs shall be supplied within 60 calendar days of the issuance of the Work Order.

54.12.5 MEASUREMENT AND PAYMENT

Measurement will be made of the number of each type of sign supplied from the Schedule of Signs.

Measurement of signs not included in the schedule of signs will be in square metres for the specific reflective sheeting and backing required.

Payment will be made at the unit price bid per sign for "Supply of Signs" for the particular size and type of sign listed in the Schedule of Signs. This payment will be full compensation for supplying the signs to the work site and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

Payment for signs not included in the Schedule of Signs will be made at the applicable unit price bid per square metre for "Supply of Signs - Level 1, ½" Plywood or Aluminum", or "Supply of Signs - Level 1, ¾" Plywood" or "Supply of Signs - Level 1 - Extruded Aluminum". This payment will be full compensation for supplying the signs to the worksite, and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

54.12.6 WARRANTY

The warranty period for this Work shall be 2 years.