

FORM 537



GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Transportation and Works
Highway Design Division

SECTION 537

SUPPLY AND INSTALLATION OF TRAFFIC POLES

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537.01 SCOPE

The work covered by this specification shall cover the supply and installation of traffic and light poles, anchor bolts, mounting arms and associated hardware.

537.02 MATERIALS

537.02.01 General

Steel poles shall be designed to meet CSA-S6-06 Canadian Highway Bridge Design Code Standards. Aluminum poles shall be designed to meet CSA-S157-05 Strength in Aluminum Design Standards. They shall be able to withstand wind loads of 160km/h and a wind gust factor of 1.3 and have a design life of 60 years.

The design shall be prepared by a Professional Engineer who shall submit shop drawings and installation procedures to the Department at least two weeks prior to start of construction. Shop drawings are required to detail the EPA and reactions to be transferred to the foundation from the base of the pole to the foundation and shall bear the stamp and signature of a Professional Engineer licensed to practice in the Province of Newfoundland and Labrador.

537.02.01 Traffic Pole

Unless otherwise specified traffic poles: shall be hot dipped galvanized steel having offsets and mounting heights as specified on the contract drawings.

537.02.02 Traffic Lights

Traffic lights shall be as specified on the contract drawings and documents.

537.03 CONSTRUCTION

537.03.01 Bases and Foundations

The Contractor shall supply under separate pay items concrete bases and foundations for the installations of poles, however, the supplying and placing of anchor bolts for these bases and foundations shall be considered included in the price bid for supplying and installing poles.

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Where poles are of the direct bury type then excavation to the required grade and backfilling shall be included in the price bid for supply and installation of poles.

537.04 MEASUREMENT OF PAYMENT

Measurement for payment for Poles shall be by the number of Poles supplied and installed.

537.05 BASIS OF PAYMENT

Payment shall be at the unit price or lump sum price for each pole or item supplied and installed complete with anchor bolts, nuts, washers, template, leveling grout, shop drawings and incidentals.