

**SECTION 537****SUPPLY AND INSTALLATION OF TRAFFIC POLES****INDEX****537.01 SCOPE****537.02 MATERIALS****537.02.01 General****537.02.02 Traffic Pole****537.02.03 Street Lights****537.03 CONSTRUCTION****537.03.01 Bases and Foundations****537.04 MEASUREMENT FOR PAYMENT****537.05 BASIS OF PAYMENT****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.

## **FORM 537**

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.