

**619.06. BASIS OF PAYMENT.**

The accepted quantities of items, measured as provided above, will be paid for at the contract unit price bid as follows:

- |     |  |                             |
|-----|--|-----------------------------|
| (A) | REMOVAL OF STRUCTURES AND OBSTRUCTIONS ..... | LUMP SUM                    |
| (B) | REMOVAL OF (SPECIFIC ITEM) .....             | LINEAR FOOT (METER)         |
|     | .....  | SQUARE YARDS (SQUARE METER) |
|     | .....  | CUBIC YARDS(CUBIC METER)    |
|     | .....  | LUMP SUM, EACH              |
| (C) | SAWING PAVEMENT .....                        | LINEAR FOOT (METER)         |
| (D) | REMOVAL OF EXISTING BRIDGE STRUCTURE.. ..    | LUMP SUM                    |

Such payment shall be full compensation for furnishing all materials, equipment, labor, and incidentals to complete the work as specified. The price shall also include salvage of materials removed, their custody, preservation, storage on the right-of-way, and disposal as provided herein. There will be no separate payment for the excavation, removal, disposal, backfilling, and compacting of the cavity created by the removal of these items.

**SECTION 622****PIPE RAILING AND MISCELLANEOUS PIPE WORK****622.01. DESCRIPTION.**

This work shall consist of furnishing and erecting pipe railing with pipe posts, pipe railing with concrete posts, or miscellaneous work in accordance with these Specifications and in reasonably close conformity with the design, lines, grades, and dimensions shown on the Plans or established by the Engineer.

**622.02. MATERIALS.**

Materials shall meet the requirements of Subsection 732.02.

When standard black steel pipe is used, it shall be painted with two coats of aluminum paint (finish field coat) in accordance with Subsection 730.02.

Concrete posts, when specified, shall be in accordance with Section 504. Reinforcement shall be in accordance with Subsection 723.01 or 723.02.

**622.04. CONSTRUCTION METHODS.**

- (a) **Pipe Railing.** Submit shop drawings of the Railing details. Allow ten days for approval.

Join the rail pipe to the post with fittings as shown on the Plans. Make splices in the rail as male/female connections so that no dimension will exceed the nominal outside dimension of the rail. Approved methods of welding will be permitted.

Secure each railing post in position by means of such fittings as specified on the Plans.

- (b) **Miscellaneous Pipe.** Set pipe used in miscellaneous work—such as conduits or drains through concrete curb, sidewalks, or retaining walls—as shown on the Plans or as directed by the Engineer. When pipe is embedded in concrete, take care to work the concrete in well around the pipe.

**622.05. METHOD OF MEASUREMENT.**

*Pipe railing* will be measured by the linear foot (meter) of pipe railing complete in place, measured center to center of the end posts. Posts of steel or concrete will not be measured for payment.

When classified for payment, *miscellaneous pipe work* will be paid for by the linear foot (meter) of pipe. When this class of work is not specifically classified on the Plans or in the Proposal for payment, it will be considered as incidental work and will not be paid for as a separate item, but the cost will be included in other contract prices.

**622.06. BASIS OF PAYMENT.**

Accepted quantities of pipe railing and miscellaneous pipe work, measured as provided above, will be paid for at the contract unit price as follows:

- (A) PIPE RAILING ..... LINEAR FOOT (METER)
- (B) MISCELLANEOUS PIPE WORK ..... LINEAR FOOT (METER)

Such payment shall be full compensation for furnishing all materials, equipment, labor, and incidentals to complete the work as specified.

**SECTION 623  
GUARD RAIL AND GUIDE POSTS**

**623.01. DESCRIPTION.**

This work shall consist of the construction of guard rail and guide posts in accordance with these Specifications and in reasonably close conformity with the lines and grades shown on the Plans or established by the Engineer.

The types of guard rail are designated as follows:

- Beam Guard Rail-Steel-W-Beam-Single
- Beam Guard Rail-Steel-W-Beam-Double
- Beam Guard Rail-Steel-Thrie Beam-Single
- Beam Guard Rail-Steel-Thrie Beam-Double
- Beam Guard Rail-Steel-Transition Section
- Guard Rail Anchor Unit
- Guard Rail Extruder Terminal
- The Trend (Transition End Treatment)
- The Centre (Safety Barrier End Treatment)

Guide Post with Reflective Bands shall be wood as specified.