

Section 01200**MEASUREMENT AND PAYMENT PROCEDURES****1.0 GENERAL****1.01 SECTION INCLUDES**

- A Procedures for measurement and payment of Work.
- B Conditions for nonconformance assessment and nonpayment for rejected products.
- C References to Technical Specifications: See Bid Proposal Sheet
- D Reference Standards:
 - 1. Concrete Reinforcing Steel Institute (CRSI)
 - 2. American Institute of Steel Construction (AISC)

1.02 AUTHORITY

- A Units and methods delineated in this Section are intended to complement the criteria of the Technical Specifications and Section 00300 – Bid Proposal.
- B In the event of conflict, the unit specified for Bid Items in Section 00300 – Bid Proposal shall govern.
- C Measurements and quantities submitted by the Contractor will be verified by the Engineer.
- D Contractor shall provide necessary equipment, workers, and survey personnel as required by Engineer to verify quantities.

1.03 UNIT QUANTITIES SPECIFIED

- A Quantity and measurement estimates stated in Section 00300 – Bid Proposal are for contract purposes only. Quantities and measurements supplied or placed in the Work, authorized and verified by Engineer shall determine payment as stated in Section 00700 – General Conditions of Agreement.
- B If the actual Work requires greater or lesser quantities than those quantities indicated in Section 00300 – Bid Proposal, provide the required quantities at the unit prices contracted except as otherwise stated in Section 00700 – General Conditions of Agreement or in executed Change Order.

1.04 MEASUREMENT OF QUANTITIES

- A Measurement by Weight: Reinforcing steel, rolled or formed steel or other metal shapes will be measured by CRSI or AISC Manual of Steel Construction weights. Welded assemblies will be measured by CRSI or AISC Manual of Steel Construction or scale weights.

- B Measurement by Volume:
 - 1. Stockpiles: Measured by cubic dimension using mean length, width, and height or thickness.
 - 2. Excavation and Embankment Materials: Measured by cubic dimension using the average end area method.
- C Measurement by Area: Measured by square dimension using mean length and width or radius.
- D Linear Measurement: Measured by linear dimension, at the item centerline or mean chord.
- E Stipulated Price Measurement: By unit designated in the agreement.
- F Other: Items measured by weight, volume, area, or lineal means or combination, as appropriate, as a completed item or unit of the Work.

1.05 PAYMENT

- A Payment includes full compensation for all required supervision, labor, products, tools, equipment, plant, transportation, services, and incidentals; and erection, application or installation of an item of the Work; and Contractor's overhead and profit. The price bid shall include the total cost for required Work. Claims for payment as Unit Price Work not specifically covered in Section 00300 – Bid Proposal will not be accepted.
- B Progress Payments for Unit Price Work will be based on the Engineer's observations and evaluations of quantities incorporated in the Work multiplied by the unit price.
- C Progress Payments for Lump Sum Work will be based on the Engineer's observations and evaluations of the percentage of quantities included in the schedule of values incorporated in the Work.
- D Final Payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities determined by Engineer multiplied by the unit price for Work which is incorporated in or made necessary by the Work.

1.06 NONCONFORMANCE ASSESSMENT

- A Remove and replace the Work, or portions of the Work, not conforming to the Contract Documents.
- B If, in the opinion of the Engineer, it is not practical to remove and replace the Work, the Engineer will direct one of the following remedies:
 - 1. The nonconforming Work will remain as is, but the unit price will be adjusted to a lower price at the discretion of the Engineer.
 - 2. The nonconforming Work will be modified as authorized by the Engineer, and the unit price will be adjusted to a lower price at the discretion of the Engineer, if the modified Work is deemed to be less suitable than originally specified.

- C Individual Technical Specifications may modify these options or may identify a specific formula or percentage price reduction.
- D The authority of the Engineer to assess the nonconforming Work and identify payment adjustment is final.

1.07 NONPAYMENT FOR REJECTED PRODUCTS

- A Payment will not be made for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable to Engineer.
 - 2. Products determined as nonconforming before or after placement.
 - 3. Products not completely unloaded from transporting vehicle.
 - 4. Products placed beyond the lines and levels of the required Work.
 - 5. Products remaining on hand after completion of the Work, unless specified otherwise.
 - 6. Loading, hauling, and disposing of rejected products.

2.0 PRODUCTS - Not Used

3.0 EXECUTION - Not Used

END OF SECTION