

**ITEM 662.17000125 - UTILITY HANGER, BRACKET AND SUPPORT SYSTEM**

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**1- DESCRIPTION:**

- 1.01- Under this Item the Contractor shall furnish and install permanent conduit and/or pipe and cable hangers, brackets and supports at the locations indicated on the Contract Documents or where directed by the Engineer.

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**2- MATERIALS:**

- 2.01 The Contractor shall furnish all required materials indicated on the Contract Plans.

- 2.02 Metal required for this work shall meet the requirements of the following Subsections of Section 700 – Materials of the New York State Standard Specifications:

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Casting, Forgings and Metals	§715
Miscellaneous Metals and Plastics	§725

**3- CONSTRUCTION DETAILS:**

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- 3.01 **Drawings:** Shop drawings shall be prepared, approved and distributed in accordance with the Steel Construction Manual. When applicable, the manufacturer's specification date sheet (catalog clip) may be furnished in lieu of Shop Drawings. The Engineer may waive the Shop Drawing requirement for any non-weld component part that can be fabricated directly from the detail shown on the plans.

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- 3.02 **Galvanizing:** When materials for this work are to be galvanized, the repair process, and Spelter coating shall conform to the requirements of §719-01, Galvanized Coatings and Repair Methods of the New York State Standard Specifications.

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- 3.03 **Field drilling:** Field drilling shall conform the requirements of §586.3-04 of the New York State Standard Specifications except no paint removal is required.

- 3.04 The maximum spacing of conduit and cable hangers, brackets and supports shall be 8-ft or as directed by the Engineer.

**4- METHOD OF MEASUREMENT:**

- 4.01 The work under Utility Hanger, Bracket and Support System will be measured for payment on a lump sum basis. The cost to temporary support conduits and cables required for superstructure replacement shall be paid for under a separate item.

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**5- BASIS OF PAYMENT:**

- 5.01 The lump sum price bid shall include the cost of furnishing all labor, materials and equipment necessary to complete the work. All field drilling shall be included in the lump sum price bid.

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