

ITEM 11615.1703 M - GENERAL HVAC CONSTRUCTION FOR NEW BUILDINGS

DESCRIPTION

Under this item, the Contractor shall furnish all labor and material for all heating, ventilation and air conditioning (HVAC) work required to complete the new Buildings at the Arthur Kill and South Shore Park and Ride Facilities, in accordance with the Contract Drawings, specifications and/or as ordered by the Engineer.

The work includes, but is not limited to:

Furnish and install a complete and operable HVAC system including an air handling unit, air-cooled condenser unit, refrigerant piping, packaged terminal air-conditioning units, ceiling exhaust fans, inline supply fans, filters, dampers, duct furnaces, VAV boxes with electric coils, ductwork and flue gas exhaust vents, duct and pipe insulation, acoustical lining, hot water recirculating heating system, hydronic piping, circulators, valves, base board finned heating modules, fittings, instrumentation and controls, and a direct digital automated Comfort /Energy Management System.

Provide testing, adjusting, balancing, and commissioning for the HVAC system.

Obtain all permits and pay all fees required for the installation of the system.

The work under this item does not include:

Site Work
General Buildings Construction Work
General Plumbing Construction Work
General Electrical Work Construction Work

Limits of the Work, under this item, are shown in the Contract Drawings.

Whenever reference is made in the attached CSI specifications to an item in the "Standard Specifications", the Method of measurements and Basis of Payment requirements shall be omitted and the cost thereof included in the price bid for this item.

MATERIALS AND CONSTRUCTION DETAILS

The Contractor shall refer to the "products" and "Execution" portions included in the CSI specifications attached to this specification.

METHOD OF MEASUREMENT

This item shall be measured for payment on a lump sum basis for the work completed in accordance with the Contract Documents and as directed by the Engineer.

BASIS OF PAYMENT

The lump sum price bid shall include the cost of furnishing all labor, material, equipment and appliances necessary to complete the work as indicated on the plans, and as specified under this item.

Monthly or semi-monthly payment will be made for this item in proportion to the total amount of work completed.

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Before the first payment estimate is issued for work under this item, the Contractor shall furnish to the Engineer a detailed estimate of quantities and prices for all materials and labor included under this item, which shall aggregate the contract lump sum price bid for this item. This estimate shall be made out in such form as required and, if requested, supported by such evidence of its correctness as the Engineer may direct. This evidence shall include certified copies of subcontracts.

The Contractor agrees that this detailed estimate shall not become effective until it has been approved by the Engineer, who shall have the right to revise the estimate as, in his/her judgement, may be required to make the various subdivisions of work conform to their value. The approved detail estimate shall be used as a basis for monthly or semi monthly payments for work completed under this item. The proportionate share for bond premiums for this item shall not be listed as a separate item but its cost shall be distributed pro rate throughout the estimate for this item.

DISAPPROVED
BY EI 12-001