

SECTION 01010

SUMMARY OF WORK

PART 1 - SCOPE OF THE CONTRACT

This contract includes the furnishing of all equipment, labor, supervision, materials and appurtenances for and in connection with improvements to existing facilities and construction of new facilities at the Riverside Pumping Station .

1.2 BACKUP POWER GENERATION:

The work covered by this part of the specification shall consist of, but not be limited to, the furnishing all material, labor, equipment, and supervision for the following:

1.2.1 Site Work

- Demolition of existing structures
- General site & road improvements
- Yard piping
- Electrical Improvements
- Concrete foundation & masonry work
- Installation of new fuel storage tank & fill station
- Three remote radiators for generators
- Three exhaust silencers for generators
- One generator load bank

1.2.2 Pump Station Work

- Demolition of structural, architectural, heating, ventilating, and cooling (HVAC), electrical, and instrumentation elements to accommodate installation of new improvements related to the generators.
- Three 2,500 kW engine generators
- Switchgear
- Three fuel day tanks
- Piping work
- Structural improvements, including generator foundations
- Architectural improvements
- HVAC improvements
- Electrical improvements
- Instrumentation improvements
- Asbestos and lead paint abatement of interior/exterior portions of the station per the report know as Exhibit "D". See Specification Section, 01039, Sub-Paragraph 1.5 for details.

2.0 QUALIFICATIONS

The work, as specified, shall be performed by a contractor with no less than five (5) years experience. Upon request by the CITY, the contractor shall provide proof of such experience by providing installation lists, brochures, reference lists etc.

3.0 SPECIFICATIONS AND STANDARDS

All materials, general design, design loads, allowable stresses, joint design, shop fabrication and field construction shall conform to the requirements of the following latest standard specifications of any technical society, organization, or association, or to codes of local or state authorities:

- A. ASTM, American Society for Testing and Material.
- B. United States Environmental Protection Agency (EPA)
- C. ANSI, American National Standards Institute.
- D. ASTM, American Society for Testing and Material.
- E. The Wisconsin Administrative Code.
- F. U.S. Department of Labor Occupational Safety and Health Act (OSHA).

The contractor shall be familiar with the requirements of the above agencies. Any conflict in the contract drawings, these specifications, the contractor's design or construction methods shall result in this contractor performing in a manner which conforms to the applicable requirements.

See Exhibit "B", Section 01611 for additional data and requirements.

PART 2 - SHOP DRAWINGS:

- A. Within four (4) weeks after "**NOTICE TO PROCEED**" is issued, the Contractor shall submit to the CITY for approval a minimum five (5) copies of all shop, fabrication, assembly, and other drawings required by the specifications; all drawings of equipment and devices offered by the Contractor; all drawings showing essential details of any change in design or construction proposed by the Contractor; and all necessary wiring and piping layouts. Drawings of equipment and devices shall show sufficient detail to adequately depict the construction and operation of each item. Each shop drawing shall bear City of Milwaukee, the name and location of the structure, job number, the name of the Contractor, the date of the drawing, the date of each correction or revision, and the specification numbers and plan sheet numbers applicable thereto.

Three revised copies of each drawing shall be submitted each time a drawing is returned to the contractor for revision. Upon final approval of a drawing, eight (8) copies shall be submitted to the CITY for record and distribution to authorized persons.

After approval by the CITY, all such drawings shall become a part of the contract documents and the work or equipment shown thereby shall be furnished and installed as shown unless otherwise required by the CITY. No work shall be performed or equipment manufactured until drawings have been approved. The approval of drawings submitted by the Contractor will be for, and will cover only general conformity to the plans and specifications and will not constitute a blanket approval of all dimensions, quantities, or details of the material or equipment shown by such drawings, nor shall such approval relieve the Contractor of responsibility for errors contained therein.

- B. At the completion of work and prior to final payment, the Contractor shall provide the CITY with six (6) sets of "as-built" drawings for the completed job showing all new equipment and piping. All concealed piping, conduit or similar items shall be located by dimensions and elevations. The Contractor will be responsible for the accuracy of these drawings. Two (2) copies of the above "as-built" drawings shall be submitted in an electronic format compatible with the latest edition of MICROSTATION®.
- C. See Exhibit "B", Technical Specifications, Section 01300 "Submittals", Sub-Paragraph 2.03 for additional requirements.

PART 3 – BASE WARRANTY:

The contractor shall furnish a written two (2) years warranty from the date of acceptance against defective materials or workmanship before the final payment is made. During the period of two (2) years from and after the date of the acceptance by the CITY of the work embraced by this contract, the Contractor shall make all needed repairs arising out of defective workmanship or materials, or both, which in the judgment of the Commissioner of Public Works, shall become necessary during such period.

Whenever defective equipment or materials are replaced during the term of the base warranty, the equipment or materials shall be guaranteed for one (1) year from the date that the replacement is performing satisfactorily.

If within ten days after mailing of a notice in writing to the Contractor, or his agent, the said Contractor shall neglect to make, or undertake with due diligence to make, the aforesaid repairs, the CITY is hereby authorized to make such repair at the Contractor's expense; providing, however, that in case of an emergency where, in the judgment of the Commissioner, delay would cause serious loss or damage, repairs may be made without notice being sent to the Contractor, and the Contractor shall pay the cost thereof.

SEE EXHIBIT "B", TECHNICAL SPECIFICATIONS, SECTION 11910, SUB-PARAGRAPH 3.6 FOR ADDITIONAL DETAILS ON THE EXTENDED WARRANTY.

END OF SECTION