

## **JOB REQUIREMENTS**

### **R-163: RIVERSIDE PUMPING STATION BACKUP POWER GENERATION PROJECT**

**JR-1 FORM OF BID:** Contractor shall submit a lump sum bid for furnishing the complete job in accordance with plans and specifications.

**JR-2 JOB LOCATION:** The Riverside Pumping Station is located at 1311 East Chambers Street, Milwaukee, Wisconsin, 53212.

**JR-3 GENERAL DESCRIPTION OF WORK:** The work to be performed under the provisions of this contract and as set forth in these documents consists of the supply and installation of all materials, labor, supervision and rentals for all work involved and described below.

#### **RIVERSIDE PUMPING STATION BACKUP POWER GENERATION PROJECT**

Supply and installation of all material and labor required for improvements to the Riverside Pumping Station to accommodate the supply and installation of engine generators. Work shall include site, architectural, structural, mechanical and electrical work as shown on the drawings.

**JR-4 CONTRACT DRAWINGS:** The contract drawings upon which the proposal is to be based are shown as Table.

<b><u>Drawing Number</u></b>	<b><u>Title</u></b>
R-163-G-1	Vicinity and Location Plan
R-163-G-2	Drawing Sheet List
R-163-G-3	Legends & Abbreviations (1 of 2)
R-163-G-4	Legends & Abbreviations (2 of 2)
R-163-G-5	Survey and Control Data
R-163-C-1	Exterior Demolition Plan
R-163-C-2	Site Paving Plan
R-163-C-3	Site Details and Sections
R-163-A-1	Demolition Plans
R-163-A-2	Demolition Ceiling Plans
R-163-A-3	West Elevation
R-163-A-4	First Floor Plan
R-163-A-5	Second Floor Plan
R-163-A-6	Enlarged First Floor Plan
R-163-A-7	Enlarged Reflected Ceiling Plan
R-163-A-8	Partial Building Section
R-163-A-9	Schedules and Details
R-163-A-10	Sections and Details
R-163-A-11	Sections and Details
R-163-A-12	Building Code Analysis

<b><u>Drawing Number</u></b>	<b><u>Title</u></b>
R-163-A-13	Life Safety Egress Plans
R-163-S-1	Structural Notes
R-163-S-2	Standard Concrete Reinforcement Details
R-163-S-3	Standard Concrete Joint Details
R-163-S-4	Typ. Masonry Wall Reinforcement Details
R-163-S-5	Typ. Masonry Lintels & Jamb Details
R-163-S-6	Standard Stair Details
R-163-S-7	Standard Guardrail Details
R-163-S-8	Engine Generators Demolition Plans
R-163-S-9	Engine Generators Demolition Section
R-163-S-10	Engine Generators Foundation Plan
R-163-S-11	Engine Generators First Floor Plan
R-163-S-12	Engine Generators Sections & Details
R-163-S-13	Sections and Details
R-163-S-14	Enlarged First Floor Framing Plan
R-163-M-1	Engine Generator Equipment Plan
R-163-M-2	Engine Generator Equip. Sections & Details
R-163-M-3	Enlarged Plan, Section, and Details
R-163-H-1	HVAC & Plumbing Legends Abbreviations
R-163-H-2	HVAC Demolition Plan
R-163-H-3	Plumbing Demolition Plan
R-163-H-4	HVAC Enlarged First Floor Plan
R-163-H-5	Plumbing Enlarged First Floor Plan
R-163-H-6	HVAC & Plumbing Schedules & Sequence
R-163-H-7	HVAC & Plumbing Details
R-163-E-1	Legend and Abbreviations
R-163-E-2	Partial Enlarged Site Plan
R-163-E-3	Power Distribution Functional Diagram
R-163-E-4	Generator Switchgear One-Line (1 of 2)
R-163-E-5	Generator Switchgear One-Line (2 of 2)
R-163-E-6	Generator Switchgear Elevation
R-163-E-7	5kV Switchgear One-Line Modifications
R-163-E-8	5kV Switchgear One-Line Modifications
R-163-E-9	Existing Load Center One-Line Diagram
R-163-E-10	Miscellaneous One-Line Diagrams
R-163-E-11	Miscellaneous One-Line Diagrams
R-163-E-12	Miscellaneous One-Line Diagrams
R-163-E-13	PLC One-Line Diagram
R-163-E-14	Schematics and Details
R-163-E-15	Existing Schematics
R-163-E-16	Existing Schematics
R-163-E-17	Pump Floor Power Plan
R-163-E-18	Pump Floor Lighting & Receptacle Plan
R-163-E-19	First Floor Electrical Plan
R-163-E-20	First Floor Demo Power Plan SW

<u>Drawing Number</u>	<u>Title</u>
R-163-E-21	First Floor Demo Power Plan NW
R-163-E-22	First Floor Power Plan SW
R-163-E-23	First Floor Power Plan NW
R-163-E-24	First Floor Lighting & Receptacle Plan SW
R-163-E-25	First Floor Lighting & Receptacle Plan NW
R-163-E-26	New Panel-board Schedules
R-163-E-27	Existing Panel Schedules
R-163-I-1	Legend & Abbreviations P&ID Sheet 1 of 3
R-163-I-2	Legend & Abbreviations P&ID Sheet 2 of 3
R-163-I-3	Legend & Abbreviations P&ID Sheet 3 of 3
R-163-I-4	P&ID Fuel Storage Tank
R-163-I-5	P&ID Fuel Day Tank
R-163-I-6	P&ID Engine Generator
R-163-I-7	P&ID Paralleling Switch
R-163-I-8	Panel Elevation & Installation Details

**JR-4.1 REFERENCE DRAWINGS:** The following reference drawings are the original construction drawings. These are included here for general information only. The drawings are assumed to be accurate; however, the contractor is responsible for field verification of any dimensions essential to the work.

**Reference Drawing No.**

**Title**

R-122

Existing Site Plan

**JR-5 PRE-BID MEETING:** A MANDATORY Pre-Bid Meeting is scheduled for **TUESDAY, APRIL 13, 2010, at 10:30 A.M. CST in Room 102 of the Frank P. Zeidler Municipal Building, 841 North Broadway, Milwaukee, Wisconsin 53202.** The City of Milwaukee will ONLY receive bids from prospective bidders who are in attendance at the MANDATORY Pre-Bid Meeting. The official envelope for submitting a bid will be available at the MANDATORY Pre-Bid Meeting.

**JR-5A SITE VISIT:** The ONLY Site Visit will be available at the conclusion of the MANDATORY Pre-Bid Meeting.

**JR-6 PRE-CONSTRUCTION MEETING:** Within ten (10) days after Notice to Proceed is issued, a pre-construction meeting will be held at the job site. Construction details of the project will be discussed in the meeting.

**JR-7 JOB SCHEDULE:** Within ten (10) days after Notice to Proceed is issued, the contractor shall submit a construction schedule for approval. The schedule shall be made in sufficient detail to indicate dates of each significant operation. The schedule shall be such that the entire job will be completed within the specified completion time. Contractor shall submit the schedule in hard copy and electronic format using Microsoft Project 2000.

The contractor shall place all orders for materials promptly after award of the contract. With submittal of the construction schedule, he shall include a schedule of delivery of all major material and equipment required for the job.

The contractor shall immediately notify the City, in writing, of any problems with meeting this schedule. If the construction schedule cannot be met because of materials or equipment deliveries, the contractor shall be required to submit purchase orders and confirmations of delivery, showing the date the order was placed and the promised date of delivery.

**JR-8 COMPLETION DATE:** All work on this project shall be completed according to the following schedule:

<b>AUGUST 19, 2011</b>	<b>SUBSTANTIAL COMPLETION</b>
<b>NOVEMBER 11, 2011</b>	<b>FINAL COMPLETION</b>

**JR-9 CHARGE FOR INSPECTION:** The Contractor will be charged \$350.00 per day per inspector for each and every day inspection is required on this Contract after the date allowed for completion or after such extension of time as may have been granted. This charge is further defined in Section 2.5.11 of the Department of Public Works (DPW) General Specifications.

**JR-10 PROGRESS PAYMENTS:** Within ten (10) days after the Notice to Proceed is issued, the contractor shall submit to the City for approval a schedule showing the breakdown of the contract with quantities and prices as a basis for checking and computing progress estimates. The values shown in the approved breakdown shall be used for pay purposes only and shall not be used as a basis for additions to or deductions from contract work.

When the contractor proceeds properly and with diligence to perform and complete the work on this contract, the Commissioner of Public Works may, from time to time as the work progresses, grant to the contractor an estimate of the amount already earned. In making such progress estimates, there shall be retained 5.0% of each progress estimate until final completion and acceptance of the work; except that after 50% of the work has been completed and the Commissioner finds that satisfactory progress is being made and all conditions complied with, he may authorize any of the remaining progress payments to be paid in full to the contractor with no amount retained.

In accordance with Charter Ordinance 7.26 as amended 6-1-72, payment for materials delivered to the work or storage site may be authorized by the Commissioner of Public Works providing the following terms and conditions are met:

- A. The work is progressing properly and such materials as specified are properly stored and suitable for permanent incorporation in the work.

- B. Materials designated for pay in the next progress estimate after delivery shall be limited to fabricated or manufactured components that are assembled in final form ready for placement in the work.
- C. The following forms shall be submitted with requests for payment.
  - 1. Progress Estimate and Request for Payment for Fabricated Materials or Components Properly Stored.
  - 2. Certification of the Contractor or his duly authorized representative. Field Engineer shall verify that material is as specified and properly stored.
- D. The contractor shall be responsible for the safeguarding of any such materials against loss or damage whatsoever, and in the case of any loss or damage, the contractor shall replace such lost or damaged materials at no cost to the City. The Commissioner shall reserve the right to deduct from ensuing progress estimates the value of any lost or damaged materials until such loss or damage is restored by the contractor.
- E. The Commissioner may limit processing progress estimates to those cases where the amount earned in any pay period for work and materials is \$5,000 or more.
- F. Any materials for which payment has been made shall not be removed from the work or storage site without the specific written approval of the Commissioner of Public Works.

**END OF SECTION**