



RICHARD SCHOCH AND ASSOCIATES (LLC)

Electrical Design Consultants in: Electrical, Water/Waste Water Supervisory Control, Data Acquisition and Integrated Plant Management Computer Systems Design

PROPOSAL LETTER

Date: February 24th,2016

Attn: Mr. Mark Johnson
City Hall
400 Lacrosse Street
La Crosse, Wisconsin, 54601

RE: Well 22 Addition of Stationary Onsite Emergency Power System and Automatic Transfer Switch including replacement of Main Electrical System Service equipment with electrical equipment having available fault current ratings to match available fault current ratings of XCEL ENERGIES CO., La Crosse Water Utility, Lacrosse, WI.

Dear Mr. Johnson

On behalf of Richard SCHOCH and Associates I am pleased to offer our electrical design services proposal for the referenced project.

This proposal is based on information received from you on 02-19-2016.

In general, the project consists of Electrical and Control Systems design for an "Addition of Stationary Onsite Emergency Power System and Automatic Transfer Switch including replacement of Main Electrical System Service equipment with electrical equipment having available fault current ratings to match available fault current ratings of XCEL ENERGIES CO"

Owner shall provide dimensioned "foot print" of Generator building and Fluoride room in a PDF format to be used by the Electrical Designer.

Our services will consist of Electrical Design, and Consulting to include preparing electrical drawings for Final Design documents, assistance during Bidding or Negotiating, all as set forth in the following scope of services.

DESIGN PHASE SERVICES

Generator Building

- Lighting (Interior and Exterior)120 volt receptacles
- Electrical Feeder from load side of Main Circuit Breaker to Automatic Transfer Switch.
- Electrical feeder from ATS to Emergency Generator

Emergency Generator

- Natural Gas fired 350 KW Emergency Generator and Automatic Transfer Switch
- Natural Gas Piping (NG) for Standby generator engine.
- Intake, Combustion and Exhaust air duct design for Standby generator.

Existing Well House (pump room)

- Electrical service (Replace Main switch board and motor control center to if required to coordinate XCEL ENERGY available fault current and required current NEC) Fault Current Ratings with Automatic Transfer switch.
- Reconnect all existing loads to new main switchboard and 120-volt panel.
- Specify Fault current analysis and short circuit coordination study including labeling of equipment. Fluoride Room
- Lighting and 120 volt receptacles
- Corrosion resistant conduit system with seal-offs.
- Door switch control of exhaust fans and lighting (NR 811)
- HVAC

GENERAL

- Equipment connection schedules
- Special Purpose Connection Schedule
- All applicable calculations
- Utility Coordination
- (1) Design development meeting
- Normal coordination with other trades
- Deliverables: Electrical pdfs furnished to City of La Crosse Engineering Department by RICHARD SCHOCH AND ASSOCIATES.
- Division 16 Electrical specifications (for bidding).
- Opinion of Probable Cost for Electrical Construction.
- Normal coordination during bidding (clarification, addendum, etc.)
- Incidental expenses (normal telephone, travel, etc.)

INSTRUMENTATION

- Emergency Generator: Generator Run, Fail, Normal power –on, - off.
- Reconnect existing instrumentation to new 120-volt panel.

SUPERVISORY CONTROL AND DATA ACQUISITION

- Upgrade existing RTU AS required by the owner.
- Reconnect RTU to existing 120-volt power
- Reconnect existing signal conductors to RTU.

BID PHASE SERVICES

Normal coordination during bidding (clarification, addendum, etc.)

CONSTRUCTION PHASE SERVICES

- Shop drawing review
- Normal construction coordination (interpretation, clarification, etc.)
- (1) site visit to review systems installation (includes final review with written report of finding) and generator startup.
- (1) site visit for i/o checkout

SERVICES NOT INCLUDED:

- Front end of specifications” to be provided by the owner.
- Production of record drawings (to be turned over to Owner by Contractor)
- State of Wisconsin plan approval fees (reimbursable)
- Plumbing systems design
- Fire and smoke detection systems.
- Security access system
- Fire protection systems design
- Preparation of “Invitation to Bid” • Advertising of “Invitation to Bid”

- Project construction administration other than noted above under Construction Phase Services •
Processing or review of pay requests

COMPENSATION

Cost estimate Break down:

- | | |
|--------------------------|-------------------|
| 1. Design and Bid phase | \$8733.00 |
| 2. Construction Phase | <u>\$1632.00</u> |
| Total 1 & 2 = | \$10365.00 |

For the above described work Richard Schoch and Associates proposes the following fee:

- *A lump sum fee of Ten Thousand Three Hundred Sixty -Five & 00/100 Dollars.*

ADDITIONAL SERVICES:

We will also furnish such Additional Services as you may request. Additional services will be charged on the basis of our current hourly rate schedule plus reimbursable, unless other arrangements are agreed upon.

The following services are considered additional and are not covered under this agreement and must be requested in writing by the client for Richard Schoch and Associates' authorization to proceed. These services will be included as an amendment to this contract and can only be performed upon mutual consent by both parties:

1. Revising previously approved drawings, specifications or other documents to accomplish changes not initiated by Richard Schoch and Associates other than revisions required to correct deficiencies in the approved documents. Bidding documents (drawings, specifications, details, etc.) once turned over to the client are Considered to be previously approved.
2. When additional work is required in preparing documents for alternate bids when requested by the client.
3. Providing consultation and other services in connection with contractor errors in installation when in direct conflict with plans, specifications, or codes.
4. Providing consultation concerning replacement of any work damaged by fire or other causes during Construction, and furnishing professional services as may be required in connection with the Replacement of such work.
5. Providing Value Engineering/Cost Reduction of the project when so directed by the client when Richard Schoch and Associates' design is within established budgets.
6. Providing services other than code corrective design work, after final payment to the construction contractor(s).

SCHEDULING

We would expect to start our services promptly after receipt of your acceptance of this proposal. The time periods for the performance of our services are set forth as follows: In a timely manner based on the timely receipt of information from the client.

Please let us know at your earliest convenience if this proposal is satisfactory and sets forth your understanding of the proposed work. If so, we will then prepare a simple agreement for your review or if you wish we can review one of yours.

This proposal represents our understanding in respect to the Project. If you would like us to consider any modifications to this proposal or if you have any questions, you can contact me at [(715) 667 3502], [715 456 9159] or via E-mail :rschoch11@charter.net.

We look forward to working with you on this project.

Thank you for your consideration.

Sincerely,

President- Richard Schoch

Richard R. Schoch.

**RICHARD SCHOCH AND ASSOCIATES (LLC)
ELECTRICAL DESIGN CONSULTANTS**

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Visit our Website: www.richardschochandassociates.com