

October 11, 2016



RESOURCE
CONSULTING
ENGINEERS LLC

Kenny Schmitz

Director of Building Services
Woodbury County
620 Douglas Street
Sioux City, IA 51101

Re: Siouxland District Health Building – Boiler Replacement

Dear Kenny,

I am pleased to present you with a proposal to provide mechanical and electrical engineering design services to replace the existing boilers at the Siouxland District Health Building. I appreciate the opportunity to provide this proposal, and look forward to working with you to improve the reliability and energy efficiency of this facility for Woodbury County.

Based on our meeting on site on September 20th, 2016, I understand that the focus of this project is to provide scope documents suitable for soliciting quotes from invited bidders for the replacement of the existing boilers serving the Siouxland District Health Building. The intent of this project will be to replace the three existing boilers with three new modular condensing boilers, and to modify piping as needed to provide a primary-secondary pumping arrangement. We are submitting this proposal assuming that adequate information is available on existing drawings to verify quantities, capacities, and layout of existing mechanical system components. Based on this understanding, we propose to provide engineering design, along with limited quote review and construction administration services for the project as outlined below.

Scope of services:

Services to be provided:

- Mechanical and Electrical Engineering Design Phase Services, including:
 - Documenting demolition requirements for existing boiler and accessories with flow diagrams and notes
 - Design of installation of three boilers, including piping modifications, and pump configuration modifications as necessary to incorporate boilers

into existing system – documented with flow diagrams, notes, schedules, and details

- Review of sizing of connected loads to verify boiler sizing
- Verification of existing system piping configuration and pump capacities
- Review of proposed design with Owner prior to production of procurement documents
- Production of procurement documents defining required mechanical and electrical system work, to include:
 - Drawings describing scope of work through use of flow diagrams, notes, schedules and details, along with limited specifications as part of the drawing set
- Mechanical and Electrical Bidding Phase Services, including:
 - Response to questions from bidders and issuance of Addenda as required
- Mechanical and Electrical Construction Phase Services, including:
 - Review of major equipment submittals (boilers, pumps, and VFDs)
 - Site visit to observe completed project work and assistance with development of punch list as required

Not included (available upon request):

- Mechanical system design and construction services not listed above, including:
 - Building heating and cooling load analysis
 - Energy modeling services
- Analysis of central system capacities for mechanical, electrical and plumbing systems, other than those specifically identified
- Design of modifications to central mechanical or electrical distribution systems
- Design of BAS interface with existing building systems not specifically identified
- Design of modifications to building systems other than those described herein
- Architectural design or construction administration services
- Structural engineering design or construction administration services
- Development of detailed Project Manual to be used for public bidding of work
- Detailed construction cost estimating services
- Full Bidding Phase services, including pre-bid meeting, attendance at bid-opening, analysis of bids, etc.

- Full Construction Phase services, including progress site visits, attendance at construction meetings, review of all submittals, response to normal Requests for Information (RFIs), etc.
- Support for LEED or other third party certification programs
- Printing services for bidding or contract documents

Schedule

It is understood that the work of this project needs to be completed as soon as possible. We will begin working on this project as soon as we receive a notice to proceed, and we expect that a design can be completed within two weeks of receiving this notice.

Basic Services

We propose to provide the Engineering Services outlined above for a fixed fee of \$3,500. Additional services outside the scope defined in this proposal will be provided on an hourly basis. No additional services will be provided without prior authorization from Woodbury County. The hourly rates for staff expected to work on this project are as follows:

- Senior Mechanical Engineer/Project Manager - \$140/hour
- Senior Electrical Engineer - \$140/hour
- Mechanical or Electrical Engineer - \$125/hour
- Engineering Intern or Designer - \$80/hour
- Clerical - \$40/hour

Summary

Again, we appreciate the opportunity to work with Woodbury County to design the boiler replacement for the Siouxland District Health Building. If you have questions or comments regarding this proposal, please do not hesitate to share them with me. I would be happy to review scope and fees in detail if it is beneficial. Thank you.

Respectfully,



Corey B. Metzger, PE
Principal
Resource Consulting Engineers, LLC

Proposal Accepted By:



Woodbury County Board of Supervisors