



BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

September 28, 2015

Dawson Springs Independent Schools
118 East Arcadia Avenue
Dawson Springs, KY 42808

RE: Freezer Cooler Foundation and Pad Replacement

Attention: Leonard Whalen, Superintendent

Mr. Whalen:

Bacon Farmer Workman Engineering & Testing, Inc. (BFW) is pleased to provide you with a proposal for design services, Contract Administration and Construction Testing & Inspections as requested.

The total project includes freezer cooler dismantlement and reinstallation, concrete pad and foundation demolition, concrete foundation and freezer cooler pad construction for the Dawson Springs School.

It is the understanding of BFW that the District will issue separate contracts for the freezer cooler dismantling and re-installation, concrete demolition / disposal, concrete construction and design services. Construction materials for the concrete foundation and pads will be through a direct purchase by the school system.

The BFW proposal will include topographic survey, project design, construction / contract administration and construction testing and inspection. Contract administration shall assist the school in KDE approval and coordination of work and materials.

TOPOGRAPHIC SURVEY

\$1,640.00

- Obtain all topographic information on the property within 50 feet of the project limits. Include both KY Underground locate to have public utilities marked and research of existing plans and discussions with maintenance staff to locate existing utilities within project limits.

500 South 17th Street
P.O. Box 120
Paducah, KY 42002-0120
phone: (270) 443-1995
fax: (270) 443-1904

1215 Diuguid Drive
Murray, KY. 42071
phone: 270-753-7307
fax: 270-759-4950

966 Double Bridge Road
Lewisburg, TN 37091
phone: 931-359-4882

P.O. Box 8188
Champaign, IL 61826
phone: 217-433-2172

403 N. Court Street
Marion, IL 62959
phone: (618) 993-6700
phone: (618) 997-9190
fax: (618) 993-6717

- Generate existing topographic site plan with existing utilities and surfaces depicted to utilize as demolition plan.
- Random spot elevations will be collected within the survey area necessary to generate a map depicting contours at 1' intervals as well as existing spot elevations to be used in reconstruction of future improvements. Horizontal and vertical datum will be in State Plane Coordinate System, Kentucky Single Zone and vertical datum will be NAVD 88.

<u>SITE/ STRUCTURAL DESIGN & GENERATION OF CONSTRUCTION DOCUMENTS</u>	<u>\$6,500.00</u>
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- A review of the existing layout and product data of existing equipment for connection and anchorage detailing.
- A dimensional plan showing the demolition and coordination of existing walks, fencing, utilities and other site improvements which will need to be removed / protected during construction.
- Civil design and a dimensional plan showing proposed pad and elevation grading for proposed improvements.
- Structural design and detailed plans showing reinforcement placement and sizing. Detail and structural notes to ensure construction meets the latest American Concrete Institute requirements for structural concrete construction.

<u>PROJECT / CONTRACT MANAGEMENT</u>	<u>\$5,000.00</u>
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- Project and individual construction contract review for project for coordination of work and construction schedules.
- Management includes meetings such as design/coordination owner meetings, pre-construction meeting, two (2) progress meetings per month during construction, review of work complete, review of pay applications and associated submittals and correspondence to KDE / State and Local government.
- Substantial completion meeting and construction review for compliance with construction documents and individual contracts.

<u>CONSTRUCTION TESTING AND INSPECTION</u>	<u>\$4,800.00</u>
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- Provide construction testing personnel for testing and inspection of the subgrade of the project upon demolition of the existing pad. Report shall



include any recommendations for mediation of subgrade found during the inspection. (No remediation is expected at this time)

- Provide construction testing personnel inspection of footing rebar prior to pouring of footing. Provide concrete testing and inspection of placement of footing concrete. (This is estimated to be done in the same site visit.)
- Provide construction testing personnel inspection of Foundation stem wall rebar prior to pouring and provide concrete testing and inspection of foundation wall concrete. (This is estimated to be done during the same site visit.)
- Provide construction testing personnel and equipment for nuclear density testing and inspection of engineered fill within the foundation / stem wall prior to placement of slab. (This is estimated to require to site visits)
- Provide construction testing personnel inspection of concrete slab rebar prior to pouring and provide concrete testing and inspection of foundation wall concrete. (This is estimated to be done during the same site visit.)

BFW proposes to perform the above defined scope of work for a cost of \$17,940.00. The proposal is based on a lump-sum cost for the services listed in scope. Additional scope items and reimbursable expenses such as permit fees, mailing expenses, ect. Will be billed at BFW hourly rate schedule, incurred expenses or agreed to negotiated lump sum. If you agree with these costs, please provide written authorization to proceed.

We look forward to working with you in the future and should you have any questions or need further information, please contact our office at (270) 443-1995.

Regards,



BFW Engineering & Testing, Inc.
Kenneth D. McDaniel, PE

Authorization to Proceed

Signature

Printed / Typed Name

Date



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ENGINEERING & TESTING, INC.