A MEETING OF THE
INGHAM COUNTY BUILDING AUTHORITY
WILL BE HELD ON
Thursday, May 30, 2019 at 3:00 p.m.

Hilliard Building
Conference Room A
121 E. Maple Rd.
Mason, Michigan

AGENDA

Call to Order
Approval of the May 16, 2019 Minutes
Additions to the Agenda
Limited Public Comment

1. Community Mental Health
   a. Commercial Blueprint, Inc. Invoice
   b. Gypsum Supply Company Credit
   c. Gunthorpe Plumbing & Heating, Inc. Invoice
   d. Centennial Electric Change Order 6
   e. Final Server Room Project Proposal

2. Animal Control Shelter
   a. Granger Change Order 58
   b. Granger Change Order 59
   c. Fibertec Proposal

Announcements
Public Comment
Adjournment

Next meeting on June 11th, 2019 at 3:00 p.m.
<table>
<thead>
<tr>
<th>May 30, 2019 Building Authority</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 16, 2019 Draft Minutes</td>
<td>i-iv</td>
</tr>
<tr>
<td>Commercial Blueprint, Inc. Invoice</td>
<td>1</td>
</tr>
<tr>
<td>Gypsum Supply Company Credit</td>
<td>2</td>
</tr>
<tr>
<td>Gunthorpe Plumbing &amp; Heating, Inc. Invoice</td>
<td>3</td>
</tr>
<tr>
<td>Centennial Electric Change Order 6</td>
<td>4-8</td>
</tr>
<tr>
<td>Final Server Room Project Proposal</td>
<td>9-17</td>
</tr>
<tr>
<td>Granger Change Order 58</td>
<td>18-24</td>
</tr>
<tr>
<td>Granger Change Order 59</td>
<td>25-27</td>
</tr>
<tr>
<td>Fibertec Proposal</td>
<td>28-31</td>
</tr>
</tbody>
</table>
INGHAM COUNTY BUILDING AUTHORITY
P.O. Box 319, Mason, Michigan 48854 Telephone (517) 676-7206 FAX (517) 676-7306

DRAFT MINUTES
May 16, 2019

Members Present: Eric Schertzing, County Treasurer, Matt Nordfjord, County Corporation Counsel, Tim Dolehanty, County Administrator

Members Absent: None.

Others Present: Facilities Director Rick Terrill, CMH Representative John Peiffer, Granger Representative Ben LeBlanc

Call to Order: The Ingham County Building Authority meeting was called to order by Matt Nordfjord at 2:01 p.m., Thursday, May 16, 2019 in Conference Room B of the Hilliard Building, 121 E. Maple Rd., Mason, Michigan.

Approval of the May 1, 2019 Minutes: MR. SCHERTZING MOVED TO APPROVE THE MAY 1, 2019 MEETING MINUTES. MR. DOLEHANTY SUPPORTED THE MOTION.

THE MOTION PASSED UNANIMOUSLY.

Additions to the Agenda:

2c Hobbs + Black Invoice
2d PSI Invoice
2e Granger Change Order 56
2f Granger Change Order 67

Limited Public Comment: None.

1a. Centennial Electric, LLC Invoice

Mr. Terrill stated that this is the second bill as pertains to the contract. The project is now at 80% completion. Approval for payment is recommended.

MR. SCHERTZING MOVED TO APPROVE PAYMENT OF THE CENTENNIAL ELECTRIC, LLC INVOICE IN THE AMOUNT OF $59,064.00. MR. DOLEHANTY SUPPORTED THE MOTION.

THE MOTION PASSED UNANIMOUSLY.

1b. Gypsum Supply Invoice 11026822-00

Mr. Terrill stated that this invoice was for materials for staff working on construction for Phase II.
MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF THE GYPSUM SUPPLY INVOICE 11026822-00 IN THE AMOUNT OF $260.40. MR. SCHERTZING SUPPORTED THE MOTION. THE MOTION PASSED UNANIMOUSLY.

1c. **Gypsum Supply Invoice 11026826-00**

Mr. Terrill stated that this invoice was for supplies for construction for Phase II. Approval for payment is recommended.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF GYPSUM SUPPLY INVOICE 11026826-00 IN THE AMOUNT OF $8,680.00. MR. SCHERTZING SUPPORTED THE MOTION. THE MOTION PASSED UNANIMOUSLY.

1d. **Gypsum Supply Invoice 11026831-00**

Mr. Terrill stated that this invoice was for supplies for construction of Phase II.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF THE GYPSUM SUPPLY INVOICE 11026831-00 IN THE AMOUNT OF $149.78. MR. SCHERTZING SUPPORTED THE MOTION. THE MOTION PASSED UANIMOUSLY.

2a. **Granger Pay Application #15**

Mr. Terrill stated that approval for payment of the pay application was recommended.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF GRANGER PAY APPLICATION #15 IN THE AMOUNT OF $266,576.73. MR. SCHERTZING SUPPORTED THE MOTION. THE MOTION PASSED UNANIMOUSLY.

2b. **Safety Systems Inc. Invoice**

Mr. Terrill stated that this was the first invoice for materials for the intercom and swipe card access. Approval for payment was recommended.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT FOR THE SAFETY SYSTEMS INC. INVOICE IN THE AMOUNT OF $16,722.80. MR. SCHERTZING SUPPORTED THE MOTION. THE MOTION PASSED UNANIMOUSLY.

2c. **Hobbs + Black Invoice**

Mr. Terrill stated that this invoice was consistent with the contract and that approval for payment was recommended.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF THE HOBBS + BLACK INVOICE IN THE AMOUNT OF $6,567.49. MR. SCHERTZING SUPPORTED THE MOTION.
THE MOTION PASSED UNANIMOUSLY.

2d. **PSI Invoice**

Mr. Terrill stated that this was an invoice from the third party testing company. Approval for payment is recommended. With this invoice, there remains a balance of about $7,700 left on the purchase order.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF THE PSI INVOICE IN THE AMOUNT OF $2,437.50. MR. SCHERTZING SUPPORTED THE MOTION.

THE MOTION PASSED UNANIMOUSLY.

2e. **Granger Change Order 56**

Mr. Terrill stated that this change order was for an operational request oversight. The change order would put walk-off mats all over the building and have the carpet adhered to the floor removed. They would go forward with an epoxy non-slip product.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF GRANGER CHANGE ORDER 56 IN THE AMOUNT OF $7,765.80. MR. SCHERTZING SUPPORTED THE MOTION.

THE MOTION PASSED UNANIMOUSLY.

2f. **Granger Change Order 67**

Mr. Terrill stated that this change order was for an additional drop for when they went through the building for security. It is for the installation of communication wire in the adoption lobby. Approval for payment is recommended.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF GRANGER CHANGE ORDER 67 IN THE AMOUNT OF $788.00. MR. SCHERTZING SUPPORTED THE MOTION.

THE MOTION PASSED UNANIMOUSLY.

4. **Kramer Management Group, Inc. Invoice**

Mr. Terrill stated that he recommended approval for payment, however, he wanted to bring the Building Authority’s attention to the fact that he had several conversations with Kramer Management about why the County should be obliged to pay for the group’s field trip and asked them to provide documentation. Mr. Terrill also stated that he was convinced that what Kramer Management did walk away with after the field trip would add value to the project and he does feel is was really good and worth it.

Mr. Schertzing asked if they had any experience with jails.

Mr. Terrill stated that they did not, but that an owner’s representative was different from a construction manager in the need for experience. Kramer Management’s references checked out and they would be a very good advocate on behalf of the owner to protect interests and make
sure the contract is carried out. He further stated that he believed it was beneficial the Kramer Management took their field trip.

Mr. Dolehanty asked whether or not this was the same facility that County employees had previously explored.

Mr. Terrill stated that it was and the Kramer Management had talked to their counterparts about best practice, what they would change if they could, etcetera.

MR. DOLEHANTY MOVED TO APPROVE PAYMENT OF THE KRAMER MANAGEMENT GROUP, INC. INVOICE IN THE AMOUNT OF $30,885.06. MR. SCHERTZING SUPPORTED THE MOTION.

THE MOTION PASSED UNANIMOUSLY.

**Announcements:** Mr. Terrill announced that Granger still has a couple of change orders that will be coming but are minor in nature for additional signs and voltage. The Animal Shelter still has over $57,000 in the contingency. He is still waiting for generator costs, but they will come in at about $60,000-$70,000, and despite that they are waiting for those costs to come in, the wait will not hinder the opening of the shelter. He further stated that Granger may potentially oversee the installation of the generator, but they are planning to leave once occupancy is achieved and therefore the Shelter may deal directly with the company for the generator.

**Public Comment:** None.

The May 16, 2019 Building Authority meeting adjourned at 2:23 p.m.
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<th>QTY</th>
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<th>UNIT</th>
<th>UNIT PRICE</th>
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<tr>
<td>702</td>
<td>COMMUNITY MENTAL HEALTH AUTHORITY PHASE II RENOVATION 39 ORIGINALS 3 COPIES 24&quot;X36&quot;</td>
<td>SQ FT</td>
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<td>140.40</td>
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</table>

SHIPPING METHOD: PICK UP
INVOiced BY: BARBARA
PAYMENT TERMS: Net 30 Days

AMT DUE: $140.40

Signature

* When sending in payment please include a copy of invoice or reference the invoice number. Thank you *
### Credit

Gypsum Supply Company
P.O. Box 7400856
Chicago, IL 60674-8865

---

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<tr>
<th>Customer No</th>
<th>Date</th>
<th>Order Number</th>
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<tbody>
<tr>
<td>8298</td>
<td>05/20/19</td>
<td>11027232-00</td>
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**CUST PICK UP**

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<tr>
<th>Order Date</th>
<th>Customer P.O. Number</th>
<th>Customer Job No.</th>
<th>Ordered By</th>
<th>Entered By</th>
<th>Read Date</th>
<th>Date Shipped</th>
<th>Sales Rep</th>
<th>Page No.</th>
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<tr>
<td>06/17/19</td>
<td>812 JOB</td>
<td>COMMUNITY MENTAL HEALTH</td>
<td>rmj</td>
<td>05/17/19</td>
<td>05/17/19</td>
<td>HSE</td>
<td>1 of 1</td>
<td></td>
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</tbody>
</table>

**S** COMMUNITY MENTAL HEALTH 812 E JOLLY RD

**S** COMMUNITY MENTAL HEALTH 812 E JOLLY RD

**T** LANSING, MI 48910

**T** LANSING, MI 48910

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<table>
<thead>
<tr>
<th>Product No.</th>
<th>Quantity</th>
<th>Units</th>
<th>Description</th>
<th>Unit</th>
<th>Extension</th>
<th>Unit price</th>
<th>Amount</th>
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<tbody>
<tr>
<td>CTCM-464NRC</td>
<td>12</td>
<td>CTN</td>
<td>CM 464NRC 2&quot;X2&quot;X3/4&quot; SL CASHMERE HNR 56&quot;</td>
<td>MSF</td>
<td>672</td>
<td>1350.00</td>
<td>907.20</td>
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<tr>
<td>CTBET-157</td>
<td>4</td>
<td>CTN</td>
<td>BET 157 2&quot;X2&quot;X5/8&quot; SQ BAROQUE 64&quot;CTN</td>
<td>MSF</td>
<td>259</td>
<td>578.00</td>
<td>147.07</td>
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**Thank You**

1. TERMS: Interest at a rate of 18% per year computed monthly will be charged on the unpaid balance.
2. All Claims must be made within 24 hours of receipt of goods. We do not accept merchandise returns without written approval.
3. 20% Restocking charge will be made on all salable merchandise returned.
4. We do not accept returns on special order products.
5. ALL transactions referenced herein are governed by the terms and conditions located at https://www.gms.com/terms-conditions

---

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<th>Received By</th>
<th>Delivered By</th>
<th>Totals</th>
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<tr>
<td>Michigan</td>
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<td>LANSING YARD</td>
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</tbody>
</table>

SUBTOTAL 759.23-

TAX 0.00

ADD'L CHARGES 0.00

TOTAL 759.23-

---

2
## INVOICE

Invoice Number: 15680  
Invoice Date: May 14, 2019  
Page: 1

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<tr>
<th>Customer ID</th>
<th>Customer PO</th>
<th>Payment Terms</th>
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<tr>
<td>INGHAM COUNTY</td>
<td>189-18 - Vendor42588</td>
<td>Net 30 Days</td>
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<tr>
<td>Sales Rep ID</td>
<td>Shipping Method</td>
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<tr>
<td></td>
<td>Ship Date</td>
<td>8/13/19</td>
</tr>
<tr>
<td></td>
<td>Due Date</td>
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### Quantity | Item | Description                                                                 | Unit Price | Amount |
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<tr>
<td>1.00</td>
<td></td>
<td>Final bill for Community Mental Health Authority building Interior Renovations. Vendor # 42588</td>
<td>15,121.00</td>
<td>15,121.00</td>
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</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td></td>
<td>15,121.00</td>
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<tr>
<td>Sales Tax</td>
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<tr>
<td>Total Invoice Amount</td>
<td></td>
<td>15,121.00</td>
</tr>
<tr>
<td>Payment/Credit Applied</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>15,121.00</td>
</tr>
</tbody>
</table>

Check/Credit Memo No: 

All past due amounts are subject to a service charge of 1.5% per month, or the maximum allowed by law, if lower. If Customer fails to pay within terms, then in addition to other remedies, Customer agrees to pay Guntorpe all costs of collection, including reasonable attorney fees.
March 22, 2019

Ingham County Building Authority  
C/O Richard Terrill  
Hilliard Building,  
121 E. Maple,  
Mason, Mi 48854

Dear Mr. Terrill,

The following is a summary of Change Order 6 as provided by Centennial Electric for the Community Mental Health Project Phase II at 812 E. Jolly Rd. Lansing, Michigan.

CENTENNIAL ELECTRIC: In accordance with Bulletin 4.

<table>
<thead>
<tr>
<th>Change Order #</th>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>006</td>
<td>Additional Electrical Work Needed</td>
<td>$2,729.00</td>
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<tr>
<td></td>
<td>For additional HR Office Third Floor</td>
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</tr>
</tbody>
</table>

Previous additional balance owed by CMH and Ingham County above Contract $2,562.00

New balance owed by CMH and Ingham County above Contract $5,291.00

I have attached all supporting documentation for review. Should you have any questions, please contact me.

Sincerely,

[Signature]

John Peiffer  
Property and Facilities Supervisor  
CMHA CEI
CENTENNIAL ELECTRIC LLC

May 14, 2019

Community Mental Health.
ATTN: John Peiffer
812 E Jolly Rd.
RE: Community Mental Health.

Dear Mr. Peiffer

Centennial Electric, LLC, is pleased to quote you for the extra work at the above mentioned project. Our costs are as follows:

Bull 4.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>419.00</td>
</tr>
<tr>
<td>Labor</td>
<td>911.00</td>
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<tr>
<td>Tax</td>
<td>25.00</td>
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<tr>
<td>Data quote</td>
<td>1,021.00</td>
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<tr>
<td>15% O/h-P</td>
<td>353.00</td>
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<tr>
<td><strong>Total Add</strong></td>
<td><strong>$2,729.00</strong></td>
</tr>
</tbody>
</table>

Please call if you have any questions.

Sincerely,

Scott A Whittaker
Project Manager
517-543-9900
Fax 517-543-9911
Email: swhittaker@centennial-electric.com
John Peiffer

From: Scott Whittaker <swhittaker@centennial-electric.com>
Sent: Wednesday, May 08, 2019 10:15 AM
To: John Peiffer
Subject: RE: CMHA CEI Project Bulletin 4 (Electrical Only)
Attachments: 3rd flr HR New Offices.pdf

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This email originated from outside of the organization. Do not click any links or open any attachments unless you recognize the sender and know the content is safe.

---

John

This is what I am going to figure for extra work in this area.
Let me know if you see anything else.

Thank You

Scott A Whittaker
Centennial Electric LLC.
Office 517-543-9900
Fax 517-543-9911
Cell 517-490-2988

---

From: John Peiffer [mailto:peiffer@celcmh.org]
Sent: Wednesday, May 8, 2019 8:55 AM
To: 'Scott Whittaker'
Cc: 'Montgomery, Daniel'; 'Goschka, Alan'; 'Carew, Cody'; Katelyn Howser; Lee Schaefer; 'Gary Boelens'; 'raymond669@shcglobal.net'; 'John Lamke'
Subject: CMHA CEI Project Bulletin 4 (Electrical Only)

Scott,

Please take a look at the attached drawing for the third floor Bulletin 4.
We had a request to add one more office as noted on the drawing.
CMH Carpentry will be building out the stud walls.
This will only impact Electrical in terms of the other trades:

1) Electrical: additional wall outlets needed centered in new walls one each, switch drop for lighting near door, isolate light fixtures in additional office off common space circuit and switch to 2 x 4 lay-in fixtures for office to match others.
And two additional Low Voltage Cat 6 Cable drops for Data. Near corner desk, see furniture plan attached and labeled, HR New Offices, from DBI.

2) Mechanical: supply and return air grills look good at this time.

3) Fire Suppression: sprinkler head placement is good as well.
At this time we will only need Centennial Electric to please provide us with your change order for this Bulletin before May 17 for any work that you anticipate under your scope of responsibility as noted above?

I have cc'd FHC and Gunthorpe in the event we may need them for additional work. If we do, we will certainly contact you.

Should you have any questions, please feel free to contact me.

Thank you!

John Peiffer
Properties-Facilities Mgr
Community Mental Health Authority of Clinton, Eaton, Ingham Counties

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May 22, 2019

Ingham County Building Authority
C/O Richard Terrill
Hilliard Building,
121 E. Maple,
Mason, MI 48854

Dear Mr. Terrill,

This is in follow up to a previous proposal asking the Ingham County Building Authority for approval to use the CMH Ingham County Building Maintenance Fund for the purpose of the CMH Server Room Remodel and Expansion at 812 E Jolly Road, Lansing Michigan 48910.

The following packet provides the final information needed regarding plans for CMHA CEI to complete a **Server Room Expansion and Relocation Project**.

I. Proposed Funding for the project:

CMHA CEI would like to use the CMH Ingham County Building Maintenance Fund to support this project. CMH Proposes monthly payments submitted and applied to the CMH Ingham County Building Maintenance Fund during the project until completion. (See attached e-mail regarding ability for CMH to use CMH Building Fund.)

II. Scope of work and Summary:

a. Summary: The final estimate from Hedrick and Associates off the State of Michigan Contract / MiDeals Program is attached and includes the following:

i. High-end efficiency 100KW UPS system along with re-using our existing 50 KW UPS.

ii. Adding 3 new high efficiency HVAC units for in row cooling while we re use the existing 8 ton unit.

iii. CMH considered other options. This final proposal is the best option for being efficient and fiscally responsible at this time by meeting our immediate and short-term Server Room needs placing us in a favorable position for the next 5 to 7 years or more, depending upon future growth.

iv. **Not included** in Hedrick and Associates proposal. CMH will need to expand the current FM200 Fire Suppression System as part of the server room expansion. The estimated cost of this item estimated at $15,000. CMH is in the process of obtaining three bids.
b. Materials Included:
   i. UPS 100KW In Row Expandable to 150 KW
   ii. Humidifier
   iii. Three in row 5 ton AC units.
   iv. Reuse of the existing HVAC Equipment 8 ton unit.
   v. Cold Aisle Containment System DCR Cool shield to maintain room efficiency
      with a hot and cold aisle.
   vi. Electrical wiring and circuits and up to 14 PDU’s

c. Contractors and Labor to install:
   All sub-contractors are working under Hedrick and Associates off the State of
   Michigan MI Deals Contract including Matrix Engineering.

III. Next Steps and final recommendations:
   CMHA CEI is asking for the following approval:
   i. For CMH to proceed with the new Server Room Project
   ii. With a total cost of $35,643.00. This price includes $15,000 for expanding the
      existing FM 200 Fire Suppression System.
   iii. An additional 5% for contingency, $25,500.00 is also included.
   iv. To use Hedrick and Associates Proposal off the State of Michigan MiDeals
      Program.
   v. Hedrick and Associates to invoice monthly in 3 equal amounts and CMH to
      repay with funds going directly back into the CMH Ingham County Building
      Maintenance Fund throughout the course of the project until completed.

Below is the language from the sublease:
In accordance with Section 4, Paragraph j of Sublease dated May 1, 2017, by and between CMHA
CEI and Ingham County:

CMH shall maintain at all times during the term of this Sublease, a repair
and replacement fund in an amount not less than $400,000, the money credited thereto to be used solely for the
purpose of making repairs and replacements to the premises. If at any time it shall be necessary to use moneys
in the repair and replacement fund for the purpose of which said fund was established, the moneys so used shall
be replaced from any moneys of CMH which are not required by law or contract to be used for other purposes.

I would like to present this packet of information at the May 30th Ingham County Building
Authority Meeting. Should you have any questions regarding this project proposal, please
feel free to contact me.

Sincerely,

John Peiffer
Property and Facilities Manager
Thank you!
I will discuss with Rick and make plans to move this forward on a future Building Authority Agenda for approval.

Here is the answer from the County Attorney:

Jared –
In my view this project would fall under the intent of the “replacement” provision in the sublease at Section 4, paragraph (j). As with the prior project where these funds were used I would recommend requiring a payment and repayment plan from CMH on an agreeable schedule.

Matt

--
Matt Nordfjord, Shareholder
Cohl, Stoker & Toskey, PC
601 N Capitol Ave.
Lansing, MI 48933
Ph: (517) 372-9000
Fax: (517) 372-1026

This transmission is intended to be delivered only to the named addressee(s) and may contain information that is confidential, proprietary, attorney work-product or attorney-client privileged. If this information is received by anyone other than the named addressee(s), the recipient should immediately notify the sender by E-MAIL and by telephone (517-372-9000) and obtain instructions as to the disposal of the transmitted material. In no event shall this material be read, used, copied, reproduced, stored or retained by anyone other than the named addressee(s), except with the express consent of the sender or the named addressee(s). Thank you.

DRAFT
Hi Matt:
CMH would like to expand and relocate a server room at the 812 E. Jolly Rd. location. Their proposal to do so is attached. CMH proposes to fund the project utilizing $ from the building maintenance fund. Section 4, paragraph (j) of the sublease speaks to the fund being used solely for the purpose of making repairs and replacements to the premises. Our question is – does this expansion & relocation of the server room as proposed qualify as repairs and replacements? We are looking for your legal guidance...

Jared Cypher
Deputy Controller, Ingham County
(517) 676-7229
We are pleased to provide our proposal for the following Liebert / Vertix UPS, AC and supporting equipment on this project:

**Liebert eXM Single Module UPS System each consisting of the following:** One (1) 100KW Liebert eXM UPS, model EXM-100-N+1, with the following features:

- System Input Voltage of 480/277, 3 Phase, 4 wire plus ground
- System Output Voltage of 208/120V, 3 Phase, 4 wire plus ground
- 100KW Scalable from 50KW to 100KW N+1
- One (1) Intellislot Unity Dual Protocol Card; P/N: IS-UNITY-DP; Offers a web interface to monitor and configure the Life.net and Emerson Network Power proprietary protocols for use with Liebert Nform and Emerson Trellis. It allows you to select and configure two of the available third party protocols – SNMP, Modbus or BACnet for interfacing to Liebert SiteScan or Building Management Systems.
- One (1) IS-RELAY Relay Contact Card(s)
- Transformer-Free Architecture - Efficiency up to 95% in double conversion mode
- Unity Power Factor Rating - Delivers more usable power per kVA
- Load Power Factor Support - Supports loads 0.5 lagging to unity without derating
- Energy Optimization Mode (Eco-Mode); 65kAIC Rating
- Active Power Factor Corrected IGBT Input Converter
- PWM transistorized (IGBT) inverter; Continuous Duty Static Bypass Switch
- Input Contacts - Dry contacts are available for functions including monitoring external breakers, on-generator signal, and other functions
- Output Contacts - Dry contacts are available for functions including a permissive signal to maintenance bypass SKRU, to trip external breakers, and other functions
- Generator Load Control - Suppresses battery charging reducing power demand by an external signal. Shifts unit from Eco Mode to double conversion (if applicable), and synchronizes the inverter output with the bypass
- Automatic retransfer - Provides return to inverter power after an overload
- DSP based controls - Provides digital control of power conversion and system operation
- Backlit LCD display - Monitors power conversion, UPS operation and utility conditions.
- Temperature-Compensated Charging/Battery Load Test
- Top-and-bottom-entry cable access; Front only service access
- Local Emergency Power Off (EPO)
- LIFE™ Services for the 1st year; IP 20 enclosure
- Casters and leveling feet
- UL and cUL Listed to UL Standard 1778 4th Edition
- Lithium Ion Battery System rated for 15 min @ 100 KW Load; 10 Year Warranty

The solution includes One (1) Maintenance Bypass Matching Cabinet including:
- 3 Switching Devices (BIB,MBB,MIB)
- Stand Alone Cabinet with interconnecting cables being provided and installed by others
- 600 MM - 23.6 inches Frame Size; Front Access service design
- (2) 350 Amp Output Breakers to feed in-row RX PDU's

System Start-up Services
Start-up includes one site trip by a LS customer engineer after the UPS has been installed. The site trip includes the following services for one UPS module: non-powered inspection, UPS electrical and operational checkout, full parts and labor for any remedial work required on the UPS or battery cabinets, and customer operation training. Start-up also includes remedial onsite labor, parts, and travel for the full one-year warranty period. Startup 24x7 is included.

### PROJECT COST SCHEDULE

<table>
<thead>
<tr>
<th>CONFIGURATION</th>
<th>QUANTITY</th>
<th>CAPACITY</th>
<th>MODEL#</th>
<th>COST EACH</th>
<th>SUB TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPS 100KW IN ROW DOUBLE CONVERSION WITH MAINTENANCE BYPASS &amp; OUTPUT BREAKERS</td>
<td>1</td>
<td>100 KW N+1</td>
<td>EXM-100KW</td>
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<td>$94,597.00</td>
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<tr>
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<td>RX-400-LDM</td>
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<td>$19,748.00</td>
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<tr>
<td>SERVER RACK PDU's</td>
<td>14</td>
<td>30 AMP</td>
<td>GEIST 30A PDU</td>
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<td>$31,640.00</td>
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<td>20lb / HR</td>
<td>CAREL-20RU-480V</td>
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<tr>
<td>CRV &amp; TON IN-ROW AC SYSTEMS</td>
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<td>5 TONS EACH</td>
<td>CRV-19Kw</td>
<td>$22,844.00</td>
<td>$68,532.00</td>
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<tr>
<td>8 TON EXISTING MINIMATE AC RE-USE AND WARRANTY</td>
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<td>8 TONS</td>
<td>MM09B</td>
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<td>DCR Cool Shield</td>
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<td>CRV-19KW</td>
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<td>3 CRV-19KW</td>
<td>LOT</td>
<td>$185,460.00</td>
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<tr>
<td>MATRIX CONSULTING ENGINEERS ELECTRICAL / MECHANICAL DESIGN INCLUDING PLANS, SPEC &amp; PERMITS</td>
<td>LOT</td>
<td>PER MATRIX PROJECT SCOPE OF WORK</td>
<td>LOT</td>
<td>$21,600.00</td>
<td></td>
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</tbody>
</table>

**TOTAL COST OF ABOVE INCLUDING FREIGHT ADD TAX: $495,343.00**

Terms & Conditions:
- Quotation Valid for 45 days; Note – Heavy Duty condensate pumps are included.
- Payment Terms are Net 30 Days from date of invoice with 50% due upon release and final 50% due upon completion / customer acceptance. Hedrick / Liebert terms and conditions apply.
- Please address Purchase Orders to: Hedrick Associates
  2380 Oak Industrial Drive N.E.
  Grand Rapids, MI 49505

Thank You for the Opportunity to Provide a Proposal for this Project!

Very Sincerely,

Karl E. Huffman
Hedrick Associates
COLD AISLE

HOT AISLE CONTAINMENT

Wall Mount Humidifier - Fan Assist

(2) 5 Ton 19 KW CRV IN-ROW AC

HOT AISLE CONTAINMENT

COLD AISLE
CONTINGENCY TRANSFER REQUEST
Granger Construction Company
1730-00 - Ingham County Animal Control Facility

To: Rick Terrill
Ingham County Building Authority
Mason, MI 48854
Phone: 517-676-7310
Fax: 
Email: RTerrill@ingham.org
CC: 

From: Ben LeBlanc
Granger Construction Company
6267 Aurelius Road
Lansing, MI 48911
Phone: 517-204-6346
Fax: 517-204-6346
Email: bleblanc@grangerconstruction.com

Below is the detail for our proposal to complete the following changes in contract work:

**Change Order Request: Emergency BackUp Generator**

**Proposed Scope of Work:**
Provide and install new 150 KW Cummins Diesel Back up Generator with 600A Automatic Transfer Switch

**Approximate Lead Time is 2 weeks for shop drawings and an additional 10 weeks once shop drawings are approved**

The prices below are valid until

<table>
<thead>
<tr>
<th>PCO Item</th>
<th>Status</th>
<th>Change (in Days)</th>
<th>Contract Line</th>
<th>Notes</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 : Emergency BackUp Generator</td>
<td>New</td>
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<td>0016000</td>
<td></td>
<td>$103,926.00</td>
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<td>2 : GCC OH &amp; P @4%</td>
<td>New</td>
<td></td>
<td>0000092</td>
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<td>$4,157.00</td>
</tr>
</tbody>
</table>

Total: $108,083.00

Submitted By: Ben LeBlanc
Date: 05/24/2019

Approved By: Ingham County Building Authority
Date: 

Nick Scarpone
Hobbs + Black
Date: 
New 150kw cummins diesel generator w/ 600a Automatic transfer switch

Included
5 Year Warranty
Required Electric Permits
Regular working hours
Sew cutting concrete & patch side walk
Off-loading Generator onto concrete pad
Remote annunciator for both Generator & ATS (final location TBD)
Interface Generator to ATS's via pipe and wire
Additional Circuit for Block heater / battery charger
Personal Training and 2 hr. load bank testing
Necessary grounding
Backup generator during ATS installation
Full Tank of Fuel at the time of installation and before start up and load bank testing
Coordination w/ utility for power outage
Concrete Pad for Generator

Not included
Overtime / Premium Shift
Final grading, seeding, soil restoration
Any Utility cost
Infrared scan or excessive testing
Winter conditions

Total cost $103,925.30

Respectfully,

Michael J. McCrackin, Project Manager

Accepted By,

Authorized Agent

Date
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Quantity</th>
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<td>Generator + ATS</td>
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<td>New Part + Repairs</td>
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<td>Crane</td>
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<td>Back up Generator during outage</td>
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Quotation

Cummins Sales and Service - East Region
3715 Clay Avenue SW
Grand Rapids MI 49548 United States
Direct: 616-988-8667
May 21, 2019

Superior Electric of Lansing
PO Box 562
DeWitt MI 48820 United States
Main: 517-485-7125
Fax No: 517-485-1507

Attention: Mike McCrackin

Project Name: Ingham County Animal Shelter

Quotation: 4566000000086045

Thank you for your inquiry. We are pleased to quote as follows.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Qty</th>
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<td>Duty Rating-Standby Power</td>
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<td>Listing-UL 2200</td>
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<td>NFPA 110 Type 10 Level 1 Capable</td>
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<td>Emissions Certification, EPA, Tier 3, NSPS CI Statiy Emergency</td>
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<tr>
<td></td>
<td>Enclosure-Aluminum, Sound Att Level 2, w/Exh System</td>
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<td>Voltage-277/480, 3 Phase, Wye, 4 Wire</td>
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<td>Exciter/Regulator-Pmg, 3 Phase Sensor</td>
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<td>Engine Governor-Electronic, Isochronous Only</td>
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<td>Display Language-English</td>
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<td>Gauge-Oil Pressure</td>
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<td>Stop Switch-Emergency</td>
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<td>Signals - Auxiliary, 8 Inputs/8 Outputs</td>
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<td>Control Mounting-Left Facing</td>
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<td>Heater-Alternator, 120 Volt AC</td>
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<td>Load Connection-Single</td>
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<td></td>
<td>CB or EB or TB-Bottom Entry, Right</td>
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</table>
CB, Loc A, 70A-250A, 3P, LSI, 600VAC, 100%, UL
Enclosure Color: Green, Aluminum Enclosure
Enclosure - Wind Load 180MPH, ASCET-10
Fuel Tank - Regional, 2 Wall, Sub Base, 24Hr Minimum
Alarm Panel - High Fuel
Separator - Fuel/Water
Switch - High 90% Fuel
Switch - Low, 40% Fuel
Mechanical Fuel Gauge
Box Spill Containment, 5 Gal, Lockable
Valve - Fuel Tank, Over Fill Protection, 95%
Riser - Fuel Tank, 2 inch
Switch - Fuel Tank, Rupture Basin, Installed
Skid Base - Housing Ready
Engine Starter - 12 VDC Motor
Battery Charging Alternator - Normal Output
Engine Cooling - High Ambient Air Temperature
Shutdown - Low Coolant Level
Extension - Engine Coolant Drain
Engine Coolant - 50% Antifreeze, 50% Water Mixture
Coolant Heater, Extreme Cold Ambient
Engine Air Cleaner - Normal Duty
Engine Oil Heater - 120 Vac, Single Phase
ST SYR 2500HR Parts + Labor + Travel
Annunciator - Panel Mount With Enclosure (RS485)
Paint - Onan Green-0 5oz Brush In Cap Bottle, Enclosure Touch Up
Battery Charger - 10Amp, 120/208/240VAC, 12/24V, 50/60Hz
Enclosure Kit - Sound Level 2 Duct
KIT FUEL SYSTEM
Tank Upfit
Delivery of Equipment to Jobsite
Oil and Antifreeze Installed
12VDC Engine Starting Battery - 810CCA
Remote Emergency Stop Station in a NEMA 4X Enclosure

Service Entrance Transfer Switch - Power Command: 600A
Srv. Entr: Transfer Switch, PwrCmd, 300 Amp
Poles - 3
Application - Utility To Genset
Listing - UL 1008
Frequency - 60 Hertz
System - 3 Phase, 3 Wire or 4 Wire
Voltage - 480 Vac
Cabinet - Type 3R
Control - Transfer Switch, Level 2
Display - Digital
Monitoring - Load
Module-Relay Signal
Interface-Communications Network, FTT-10
Terminal Block-30 Points
Transfer Switch Warranty - Yr 0-5: Comprehensive, Yr 6-10: Main Contacts Only

Commercial Accessories
Annunciator Control Kit-With Enclosure

Travel Time
Start-up Labor
Load Bank Testing
Personnel Training

Grand Total $69,850.00

Please Note
1. Diesel Fill by Others
CONTINGENCY
TRANSFER REQUEST
Granger Construction Company
1730-00 - Ingham County Animal Control
Facility

To: Rick Terrill
Ingham County Building Authority
Mason, MI 48854
Phone: 517-676-7310
Fax: 
Email: RTerrill@ingham.org
CC: 

From: Ben LeBlanc
Granger Construction Company
6267 Aurelius Road
Lansing, MI 48911
Phone: 517-204-6346
Fax: 517-204-6346
Email: bleblanc@grangerconstruction.com

Below is the detail for our proposal to complete the following changes in contract work:

Change Order Request: Additional Asphalt Extension
Proposed Scope of Work:

Provide approx. 17 square yards of additional asphalt and associate sub base. This was needed
to allow proper turning radius for garbage truck access to dumpster enclosure not originally shown
on documents.

The prices below are valid until

<table>
<thead>
<tr>
<th>PCO Item</th>
<th>Status</th>
<th>Change (in Days)</th>
<th>Contract Line</th>
<th>Notes</th>
<th>Amount</th>
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</thead>
<tbody>
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<td>$1,550.00</td>
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<td>2 : Additional Asphalt Extension - Approx 17 Sq Yards</td>
<td>New</td>
<td></td>
<td>0002730</td>
<td></td>
<td>$319.60</td>
</tr>
<tr>
<td>3 : GCC OH &amp; P @ 4%</td>
<td>New</td>
<td></td>
<td>0000092</td>
<td></td>
<td>$75.00</td>
</tr>
</tbody>
</table>

Total: $1,944.60

Submitted By

Ben LeBlanc
05/24/2019

Approved By:

Ingham County Building Authority

Date

Nick Scarpone
Hobbs + Black

Date

25
## Bid Items

<table>
<thead>
<tr>
<th>Items of Work</th>
<th>Quantities</th>
<th>Units</th>
<th>Unit Price</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 SF of Additional Paving</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HD Bit Paving 2.5&quot; 13A 1.5&quot; 36A</td>
<td>17</td>
<td>SY</td>
<td>$18.80</td>
<td>$319.60</td>
</tr>
</tbody>
</table>

Superior Asphalt, Inc. is not responsible for Miss Dig marking and locating underground utilities.

NOTE: Price does not include permits, staking & layout, traffic control.

NOTE: Price does not include bonds or dues, if 1% bond deduction made, add 1% to prices.

NOTE: Price is good for 10 days.

---

<table>
<thead>
<tr>
<th>Estimate prepared by:</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Alonso</td>
<td>$319.60</td>
</tr>
<tr>
<td>616-723-2112</td>
<td></td>
</tr>
</tbody>
</table>

Authorized Signature:

---

**Receipt of Acceptance**

Printed Name: ____________________________

Signature: ____________________________  Date: _____________
TO: Granger Construction Company

ATT: Brian Whipple

RE: Asphalt Curve Extension

Quote Includes;

Excavation and prep of stone grade for asphalt radius to be extended out 3 feet.

TOTAL: $1,550.00

Quote Excludes;

Layout, Testing, Permits, Bonding,

*Any item not specifically noted as included, is NOT included. No exceptions.
*Quote Valid for 30 Days After Submitted.

If you have any questions, please call Ben @ 989-640-8394
May 23, 2019

Mr. Rick Terrill
Facilities Director
Ingham County
121 E. Maple Avenue
Mason, MI 48854

Re: Proposal to Provide Additional Building Inspection Services, Ingham County Animal Control and Shelter, 600 Curtis Street, Mason, Michigan. Fibertec Industrial Hygiene Services, Inc. Proposal #ING05231901.

Dear Mr. Terrill:

Thank you for the opportunity to prepare this proposal. Based on the previous body of work completed by our firm, Fibertec IHS proposes the following:

1. **To conduct additional Asbestos Building Inspection in the aforementioned structure:**

   - Sample presumed or assumed asbestos-containing materials, which could not be sampled due to conditions of occupance. These materials include the following:

     HA-01 Ceramic floor tile bedding compound and the associated grout
     HA-14 Fire doors and frames
     HA-25 Concrete

All on-site inspection and sample collection will be conducted by Fibertec IHS staff that are State of Michigan accredited asbestos building inspector(s).

Samples of assumed asbestos-containing materials will be collected pursuant to the requirements of the Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR, Part 61), which will include destruction testing and the collection of concrete samples as required by the 2016 interpretation by the Michigan Department of Environmental Quality, Air Quality Division.

Collected suspect ACM samples will be submitted to the accredited Polarized Light Microscopy (PLM) laboratory of Fibertec IHS for asbestos analysis using the Environmental Protection Agency (EPA) Method EPA 600/R-93/116. The Fibertec IHS PLM Laboratory maintains
current National Institute for Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) accreditation (Lab Code 101510-0).

In an attempt to reduce overall project cost, the number of bulk asbestos sample analyses will be limited using the following “test until positive” strategy: One sample from each homogenous area will be analyzed. If the results of analysis indicate asbestos present (in a quantity greater than 1%), the material in that homogenous area will be considered asbestos-containing and the analysis of any remaining samples from that homogenous area will not be conducted. If the first sample from any homogenous area is found not to contain asbestos (in a quantity less than or equal to 1%), analysis of samples remaining from that homogenous area will be conducted until either the first asbestos-containing sample is found or no samples remain from the given homogenous area.

Following the completion of the field and laboratory portions of the work, a single project report will be prepared for the building. The report will include a description of the work, methods used to collect and analyze samples, documentation of locations, conditions and quantities of additionally defined ACM.

Fibertec IHS further understands that Ingham County may provide a floor plan. Fibertec IHS understands that the work can be conducted during normal business hours, and that timely unrestricted access can be provided to all rooms in the building. Failure to provide timely unrestricted access may result in areas of the building that remain uninspected and in additional cost. Fibertec IHS also understands that confined space entry will not be required.

Should floor tile or other non-friable material be found not to contain asbestos by routine Polarized Light Microscopy (PLM), additional analysis by gravimetric reduction is recommended, but must be requested. Gravimetric reduction can be a useful addition to the analysis of difficult matrices like floor tile, mastic and roofing. The reduction allows for the thermal destruction of organic compounds in the sample. Gravimetric reduction also allows for the acid dissolution of carbonates in the sample. With the organic compounds and carbonate interferences removed, asbestos can be more accurately identified and quantified. As the number of such analyses is impossible to predict, the cost of bulk sample analysis by gravimetric reduction is outside the scope of this proposal, but can be expected to cost $65.00/sample.

Similarly, point count analysis can be a useful addition in the analysis of samples containing a low percentage of asbestos (<10%). The point count method offers a rigorous, semi-quantitative analysis that is more precise than the EPA required test method. It can be useful in refining the quantity of low levels of asbestos in bulk insulation samples. For samples with a low percentage of asbestos, Ingham County may presume the lab determination to be correct, or may request point count analysis. As the number of such analyses is impossible to predict, point count analysis is outside the scope of this proposal, but point count analysis (400 occupied points) can be expected to cost $50.00/sample.
The cost to provide the above services is estimated in the following table, T-1:

<table>
<thead>
<tr>
<th>Service</th>
<th>Estimated</th>
<th>Unit Cost</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing, sample collection and reporting</td>
<td>4 hours</td>
<td>$85.00/hour</td>
<td>$340.00</td>
</tr>
<tr>
<td>Bulk asbestos sample analysis by EPA 600/R-93/116 (48-hour turnaround)</td>
<td>6 sample layers</td>
<td>$20.00/sample layer</td>
<td>$120.00</td>
</tr>
<tr>
<td>Bulk asbestos sample analysis—concrete (48-hour turnaround)</td>
<td>3 samples</td>
<td>$75.00/sample</td>
<td>$225.00</td>
</tr>
<tr>
<td>Materials, supplies, concrete coring and equipment</td>
<td>1 set</td>
<td>$485.00/set</td>
<td>$485.00</td>
</tr>
</tbody>
</table>

**Inspection Subtotal** $1,170.00

Should additional bulk asbestos samples require collection and analysis, an additional fee of $10.00/sample layer will be assessed.

Please be advised that sampling will not be done discretely and that some marring of surfaces should be expected. Additionally, destructive testing to determine the presence or absence of vermiculite wall insulation will also be conducted.

Fibertec IHS staff wish to commence the fieldwork portion of this project on Thursday, June 6, 2019. Given the start date, a verbal report of findings can be provided on or about June 11, 2019. The written report will follow.
Please do not hesitate to contact me regarding this proposal.

Respectfully,

[Signature]

Phillip A. Peterson
Vice President

Cc: Ben LaBlance, Granger Construction Company

Proposal accepted by:

Signature:____________________________________

Name:________________________________________

Title:________________________________________

Company:____________________________________

Purchase Order #:________________________________

Date:__________________________________________

Terms are Net 30 days. Credit card transactions are subject to a 3% surcharge.