ADDENDUM NUMBER #1

November 9, 2017

Project: Improve Kentland Facilities
IFB No. VT-229-17830-001
Blacksburg, Virginia 24061

TO ALL BIDDERS

GENERAL: Addenda are part of the Contract Documents and are issued to amend or interpret the Drawings and Specifications. The Addenda shall be acknowledged in the Bid Form in the space provided for addenda acknowledgement.

Addenda list items by Drawings and Specifications. However, only specification items are referenced to Sections. Drawing changes, as well as Specification changes, described in Addenda shall include all Work required by the various trades involved to effect the changes described.

CHANGES AND CLARIFICATIONS – GENERAL

1. A Pre-bid meeting was held on November 2, 2017. The agenda, minutes and Attendee list are included with this addendum.

2. Remove and replace Bid Form with REVISED BID FORM included with this addendum.

3. Request for Information Form for submitting questions is included with this addendum.

4. Notice of Invitation of Bids:
   a. Change the deadline for receipt of bids from 2:000 P.M. sharp on November 28, 2017 to 2:00 P.M. sharp on December 5, 2017.
   b. Change the bid opening date from November 29, 2017 to December 6, 2017.

MRL SPECIFICATIONS

1. SECTION 084513 – POLYCARBONATE PANELS:
   A. DELETE Section.

END OF ADDENDUM NUMBER 1
PREBID MEETING MINUTES

Improvements to Kentland Facilities (VT-229-17830-001)
November 2, 2017 2:00 PM
Sterrett Facilities Classroom

Travis Jessee, VT Senior Capital Project Manager Introduced the Project:

1. Introduction of Owner’s Representatives at meeting and Project Design Professional.
   - Travis Jessee  Virginia Tech Senior Capital Project Manager
   - Shellie Black  Virginia Tech Senior Facilities Contract Officer
   - Jackie Mayrosh  Spectrum Design Project Manager

2. The following is a list of project milestones. The milestone dates specified are for specific items critical to maintaining the project schedule. These milestone dates shall be incorporated in the Contractor’s coordination and planning and be included in the Construction Schedule prepared in accordance with the Contract Documents.

<table>
<thead>
<tr>
<th>DAYS</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Day for Addendum to be posted</td>
<td>-</td>
</tr>
<tr>
<td>Receipt of Bids</td>
<td>-</td>
</tr>
<tr>
<td>Opening of Bids</td>
<td>-</td>
</tr>
<tr>
<td>Substantial Completion* for APR</td>
<td>180</td>
</tr>
<tr>
<td>Substantial Completion* for BETR</td>
<td>360</td>
</tr>
<tr>
<td>Substantial Completion* for MRL</td>
<td>420</td>
</tr>
<tr>
<td>Final Completion* entire project</td>
<td>450</td>
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* From Notice to Proceed

Shellie Black, Senior Facilities Contract Officer reviewed the contract requirements.

1. Virginia Tech fully supports to continue to advance and otherwise exceed the participation goal of 42% as required by Executive Order 20, issued July 22, 2017, to use Small, Women-owned, and Minority-owned (SWAM) businesses certified by the Virginia Department of Small Business and Supplier Diversity (DSBSD) for our discretionary spending efforts.

2. All Contractors doing work at Virginia Tech must be registered with the Commonwealth of Virginia in accordance with Title 54.1, Chapter 11, Section 1100 of the code of Virginia. Bidder is to include Contractor License/Registration No. on the outside of the envelope containing the bid and in the bid as indicated in the Instruction to Bidders of Form CO-7A-4. Preparation and Submission of Bids. Failure to provide this number prior to opening of bids in accordance with Section 54.1-1115 of the Code of Virginia, as amended, will make your bid non-responsive and not be considered.
3. A Bid Bond is required on contracts $100K or greater. The Bid Bond must be issued by a surety company which is legally authorized by the Virginia State Corporation Commission to do surety business in the Commonwealth of Virginia.

4. It is important that you are aware that the CPSM has been recently updated (September 2017), and incorporated into the documents of this project.

5. Any questions regarding the front-end portion of the Bidding Documents should be directed to the A/E indicated in Bidding Documents.

6. Do not write in or attach qualifications on the Bid Form. Your Bid should be based on the Bidding Documents and any issued Addendum.

7. Bids are due: Tuesday, November 28, 2017 at 2pm. Bids must be received at the Sterrett Facilities Complex (See Notice of Invitation for Bids) for address. Bids which are hand delivered are to be brought to the receptionist desk at 90 Sterrett Facilities Complex with entrance off Sterrett Drive.

8. Bids will be opened: Wednesday, November 29, 2017 at 2pm.

9. The Form of Bid includes a Base Bid only (and Additives if applicable).

Jackie Mayrosh, Spectrum Design, Reviewed the general construction requirements.

1. Applied Reproduction Facility (APR)
   - Located on Campus, behind Vet Med.
   - Approximately 4,800 square foot open air barn with a single-wythe CMU storage room.
   - The site has already been prepared under a previous construction package. The GC will take responsibility for the Erosion and Sediment Control measures currently in place and will be responsible for protecting the dry swale constructed adjacent to the site.
   - It is highly recommended that GCs visit the site to observe the current conditions.

2. Bovine Extension Teaching and Research Facility (BETR)
   - Located on Plantation Road between the Judging Pavilion and Campbell Arena.
   - Approximately 4,800 square foot of classroom building.
   - Approximately 6,000 square foot of open air demonstration area is attached to the classroom building and is Additive Bid Item Number 1.
   - The structure is a metal building.
   - Note that stormwater measures differ between the base bid and Addtive Bid Item Number 1.

3. Metabolic Research Laboratory (MRL)
   - Located at Kentland Farm
   - Approximately 12,000 square foot of Biosafety Level 2 Research Laboratory containing four animal rooms, a general lab, and a BSL2 laboratory / necropsy lab.
   - Second level contains mechanical equipment.
   - A sanitary septic system including drainfield will be added to the MRL by addendum.

4. Organization of Construction Documents
   - Buildings are bid as a single project, but each building is independently reviewed and permitted. Each building has a stand alone set of drawings and specifications.
– Bidding Information for the project as a whole-- including the Invitation for Bid, Instructions to Bidders, Bid Bond Form, Prebid Question Form, and the Bid Form-- is included in a separate volume of specifications called Bidding Information.

5. Pre-bid Questions: All questions should be submitted on the form included in the Bidding Information Specification volume. As stated on the form, email questions to Jackie Mayrosh  

jmayrosh@spectrumpc.com  

AND  

Sonya Guilliams  

sguilliams@spectrumpc.com.

6. Note that Substantial Completion dates for each building are located in the 011000 Summary Specification section for each building.

Travis Jessee, VT Senior Capital Project Manager:

1. Formal site visits will not be conducted but sites are open for visits at the GCs convenience. Directions can be provided if needed.

2. Pre-bid Questions (RFIs) will be answered by Addendum.

3. Addendum #1 will be issued containing the sign-in sheet and any clarifications received thus far.

4. Last addendum will be issued a minimum 10 day prior to the receipt of bids.

Contractor Questions

1. Doug Coffman (Snyder & Associates) requested a summary of the VE items. Travis Jessee provided a brief summary:
   – APR: Changes to CMU material
   – MRL: Changes to interior finishes
   – BETR: Revised to metal building, curtainwall revised to storefront, changes to interior finishes, some equipment removed from Bid Package, Additive Bid Item with revisions to building and site.

2. Eddie Herron (G&H Contracting) requested the Bid Date be moved because of the Thanksgiving Holiday. Sean O’ Brien (ACI Builds) agreed bids would be difficult due to the holiday. VT and Spectrum will evaluate and issue any revisions to the Bid Date by addendum.

3. Additional information was requested on the manure tanks. Contractors were directed to the 339000 Manure Handling Systems specification section.

4. Additional information was requested on the project schedule. Travis Jessee clarified that the intent is to be under contract in January.
## PRE-BID MEETING PARTICIPANTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Representing</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eddie Herron</td>
<td>G+H Contracting</td>
<td>E.herron@g+hcontracting.com</td>
</tr>
<tr>
<td>Sean D'Beau</td>
<td>FAC</td>
<td><a href="mailto:sean.dbeau@acibuilds.com">sean.dbeau@acibuilds.com</a></td>
</tr>
<tr>
<td>Doug Coffman</td>
<td>Snyder &amp; Associates</td>
<td><a href="mailto:dcoffmann@snyder-and-associ.com">dcoffmann@snyder-and-associ.com</a></td>
</tr>
<tr>
<td>Phil Callicott</td>
<td>Snyder &amp; Associates</td>
<td><a href="mailto:pcalligott@snyder-and-associ.com">pcalligott@snyder-and-associ.com</a></td>
</tr>
<tr>
<td>Phillip Stafford</td>
<td>DC/SHIRES, INC.</td>
<td><a href="mailto:philipstafford@dcshires.com">philipstafford@dcshires.com</a></td>
</tr>
<tr>
<td>Patrick Hill</td>
<td>VT-CALS</td>
<td><a href="mailto:philhill@vt.edu">philhill@vt.edu</a></td>
</tr>
<tr>
<td>Grant Morris</td>
<td>VT-CCR</td>
<td><a href="mailto:thgrmo@vt.edu">thgrmo@vt.edu</a></td>
</tr>
<tr>
<td>Shellee Black</td>
<td>VT-Facilities Contract</td>
<td><a href="mailto:shellie.black@vt.edu">shellie.black@vt.edu</a></td>
</tr>
<tr>
<td>Travis Jessee</td>
<td>VT-CCR</td>
<td><a href="mailto:trajesse@vt.edu">trajesse@vt.edu</a></td>
</tr>
</tbody>
</table>

Published to Laserfiche and sent out with Addendum:
(Prebid Meeting Participants xx-xx-xxxx)
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<thead>
<tr>
<th>Name</th>
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<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scott Hebdon</td>
<td>UTES</td>
<td><a href="mailto:Scott74@vt.edu">Scott74@vt.edu</a></td>
</tr>
<tr>
<td>Stephen Baker</td>
<td>Varney Inc.</td>
<td><a href="mailto:Sbaber@varneyinc.com">Sbaber@varneyinc.com</a></td>
</tr>
<tr>
<td>Brian Bower</td>
<td>Thor Inc.</td>
<td><a href="mailto:Bbower@thorconstruction.com">Bbower@thorconstruction.com</a></td>
</tr>
<tr>
<td>Joshua Brown</td>
<td>TLC Construction Services</td>
<td><a href="mailto:jbrown@tlcs.com">jbrown@tlcs.com</a></td>
</tr>
<tr>
<td>Jackie Mahrosh</td>
<td>Spectrum Design</td>
<td><a href="mailto:Jmayrosh@spectrumpc.com">Jmayrosh@spectrumpc.com</a></td>
</tr>
</tbody>
</table>

Published to Laserfiche and sent out with Addendum:
(Prebid Meeting Participants xx-xx-xxxx)
REVISED BID FORM

DATE: _______________________

PROJECT: Virginia Tech - Improve Kentland Facilities

IFB # VT-229-17830-001

To: Commonwealth of Virginia
Virginia Polytechnic Institute and State University (Virginia Tech) University
Design and Construction
90 Sterrett Facilities Complex (0129) Blacksburg,
VA 24061

In compliance with and subject to your Invitation for Bids and the documents therein specified, all of which
are incorporated herein by reference, the undersigned bidder proposes to furnish all labor, equipment, and
materials and perform all work necessary for construction of this project, in accordance with the contract
documents listed below:

- the Contract Between Owner and Contractor;
- this Bid Form submitted by the Contractor;
- Post Bid Modification(s), if any;
- the Instructions to Bidders dated April 2015 (R1)
- the Notice of Invitation to Bids
- the General Conditions of the Construction Contract (Form CO-7), referred to as the “General
  Conditions” dated April 2015;
- the Supplemental General Conditions, dated January 2017;
- the Owner’s Plans for the Applied Reproduction Facility (APR), Bovine Extension Teaching &
  Research Facility (BETR) and Metabolic Research Laboratory (MRL) dated October 19, 2017;
- the Owner’s Project Manuals and Bidding Information for the Applied Reproduction Facility
  (APR), Bovine Extension Teaching & Research Facility (BETR) and Metabolic Research
  Laboratory (MRL) dated October 19, 2017;

as well as any Addenda issued during the bid period, for the consideration of the following amount:

BASE BID (including the following parts):

PART A.
Lump sum price for the construction of the buildings and all associated work at the APR (except
for work described in PARTS D and E) complete and in accordance with the Plans and Specifications:

PART A = ________________________________ Dollars ($_______________).

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Page 1 of 4
PART B.
Lump sum price for the construction of the buildings and all associated work at the BETR (except for work described in PARTS D and E) complete and in accordance with the Plans and Specifications:

\[ \text{PART B} = \text{______________________________ Dollars (\$____________________).} \]

PART C.
Lump sum price for the construction of the buildings and all associated work at the MRL (except for work described in PARTS D and E) complete and in accordance with the Plans and Specifications:

\[ \text{PART C} = \text{______________________________ Dollars (\$____________________).} \]

PART D. - EXCAVATION OF UNSUITABLE MATERIAL
Excavation of unsuitable material, where authorized or directed, below or in addition to defined subgrade required for the Work of Part A, B and C and backfill with compacted material per specifications. (Price per cubic yard) Final amount shall be adjusted upward or downward based on actual quantity authorized.

\[ \text{Estimated quantity of (150) cy @ \$ __________ per cy = __________} \]

\[ \text{PART D} = \text{______________________________ Dollars (\$____________________).} \]

PART E. - EXCAVATION OF ROCK MATERIAL AT TRENCHES
Excavation of ROCK material, where authorized or directed, proper disposal off-site of excess material and backfill with compacted trench fill material per specifications. (Price per cubic yard) (Final amount shall be adjusted upward or downward based on actual quantity authorized.)

\[ \text{Estimated quantity of (85) cy @ \$ __________ per cy = __________} \]

\[ \text{PART E} = \text{______________________________ Dollars (\$____________________).} \]

TOTAL BASE BID AMOUNT (Sum of PARTS A, B, C, D, & E) IS:

\[ \text{______________________________ Dollars (\$____________________)} \]

ADDITIVE BID ITEM 1: Lump sum price for all work to construct the approximately 5,000 square foot openair demonstration area at the BETR building, complete, in accordance with the drawings and specifications is

\[ \text{______________________________ Dollars (\$____________________)} \]
The bidder has relied upon the following public historical climatological records:

US Department of Commerce, Local Climatological Data Sheets, National Oceanic and Atmospheric Administration/Environmental Data and Information Service, National Climatic Center and National Weather Service for Blacksburg, VA.

The undersigned understands that time is of the essence and agrees that the time for Substantial Completion of each building is as specified below:

The time for Substantial Completion of the Improve Kentland Facilities Project shall be four hundred and twenty (420) consecutive calendar days from the date of commencement of the Work as specified in the Notice to Proceed, and Final Completion shall be achieved within thirty (30) consecutive calendar days after the date of Substantial Completion as determined by the University.

Acknowledgment is made of receipt of the following Addenda: ____________________________.

If notice of acceptance of this bid is given to the undersigned within 90 days after the date of opening of bids, or any time thereafter before this bid is withdrawn, the undersigned will execute and deliver a contract in the prescribed form within 10 days after the contract has been presented to him for signature. The required payment and performance bonds, on the forms prescribed, shall be delivered to the Owner along with the signed contract.


DISQUALIFICATION OF CONTRACTORS: By signing this bid or proposal, the undersigned certifies that this Bidder or any officer, director, partner or owner is not currently barred from bidding on contracts by any Agency of the Commonwealth of Virginia, or any public body or agency of another state, or any agency of the federal government, nor is this Bidder a subsidiary or affiliate of any firm/corporation that is currently barred from bidding on contracts by any of the same. We have attached an explanation of any previous disbarment(s) and copies of notice(s) of reinstatement(s).

Either the undersigned or one of the following individuals, if any, is authorized to modify this bid prior to the deadline for receipt of bids by writing the modification and signing his name on the face of the bid, on the envelope in which it is enclosed, on a separate document, or on a document which is telefaxed to the Owner: ______________________________________________________________

Virginia Tech fully supports to continue and advance, or otherwise exceed, the participation requirement of the Executive Order 20, issued July 22, 2014, requiring use of Small, Women-owned, and Minority-owned (SWAM) as certified by the Virginia Department of Small Business and Supplier Diversity (DSBSD).

Contractor’s Proposed Small Business Participation: ___________%
I certify that the firm name given below is the true and complete name of the bidder and that the bidder is legally qualified and licensed by the Virginia Department of Professional and Occupational Regulation, Board for Contractors, to perform all Work included in the scope of the Contract.

Virginia License No.: _______________ Bidder: _____________________________

(Name of Firm)

FAX # __________________________

Contractor Class: _______________ By: _____________________________

(Signature)

Specialty: _______________ Valid until: ______________________

FEIN/SSN: _______________ Title: _______________________________

If General Partnership (List Partners' Names) Business Address:

________________________________

________________________________

________________________________

________________________________

________________________________

Telephone # ________________________

If Corporation, affix Corporate Seal & list State of Incorporation

State: _____________________________

(Affix Seal)

Virginia State Corporation Commission ID No.: _______________; or

If Contractor is a foreign business entity not required to be authorized to transact business in the Commonwealth under Titles 13.1 or 50 of the Code of Virginia, or as otherwise required by law, please provide an explanation as to why such entity is not required to be so authorized: ______________________

________________________________

Addendum #1

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DGS-30-272
(Rev. 04/15)

PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: ____________________

Project: IMPROVE KENTLAND FACILITIES
         VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
         BLACKSBURG, VIRGINIA (PC#229-17830-000)
         IFB # VT-229-17830-001

The following question concerns Drawing Sheet (number)______________________________:

________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________

The following question concerns Specifications Section (number)_______, page _________, paragraph ______:

________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________

Question submitted by:______________________________________________________________
                                                                                      Name                                           Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumc.com and Sonya Guiliams sguilliams@spectrumc.com