INVITATION FOR BIDS  
CCK-2269-18

Brachytherapy Expansion  
Project 2457  
ADDENDUM #1  
2/6/2018

Offeror must acknowledge receipt of this and any addendum as stated in the Request for Proposal.

The following shall clarify and/or modify the original bid documents as issued by the University of Kentucky.

1. Please refer to and incorporate into the Offer the attached Addendum No. 1.00 for the project titled: Brachytherapy Expansion (UKHC RMS MCC: Radiation Medicine Linear Accelerator/Brachytherapy) Project 2457.0 from JRA Architects dated 2/02/2018 page 1 through 16.

2. In addition, replace the following:

Tab 11 – Site Logistics Plan Addendum 1  
Tab 13 – WT Safety Plan  
Tab 16 – WC – 01A – General Conditions (Trade)  
Tab 17 – WC – 03A – Concrete  
Tab 18 – WC – 08A- Doors-Hardware  
Tab 19 – WC – 09A – Drywall, Ceilings, CFMF, Wall Panels  
Tab 20 – WC – 09B – Painting and Wall Coverings  
Tab 21 – WC – 09C – Flooring, Tiling  
Tab 22 – WC – 21A – Fire Suppression  
Tab 23 – WC – 23A – Mechanical – Plumbing  
Tab 24 – WC – 26A - Electrical  
Tab 25 – WC – 31A – Excavation, Shoring  
Tab 29 – Chandler PAV H Roof Warranty  
Tab 30 – Written Questions and Answers – Brachytherapy Expansion  
Tab 31 – Clarification regarding the use of Romex being used as Temporary Wiring on Construction Sites

OFFICIAL APPROVAL  
UNIVERSITY OF KENTUCKY

Contracting Officer / (859) 257-5409

University of Kentucky  
Purchasing Division  
322 Peterson Service Building  
Lexington, KY  40506-0005
FOR THE PROJECT TITLED:

BRACHYTHERAPY EXPANSION (UKHC RMS MCC: RADIATION MEDICINE LINEAR ACCELERATOR/BRACHYTHERAPY)
PROJECT # 2457.0
CCK-2269-18
University of Kentucky
Lexington, Kentucky

To: Prospective Bidders

From: JRA Architects
3225 Summit Square Place, Suite 200
Lexington, KY 40509

Project Contact: D. Robert Deal, AIA, LEED AP

The Addendum will form a part of the Contract Documents and modifies the original Bidding Documents dated January 2018.

Bidders must acknowledge receipt of this Addendum in the space provided on the Form of Proposal. Failure to do so may subject the bidder to disqualification.

Bidding Documents, including the Drawings and Specifications, are amended as described herein.

ARCHITECTURAL ITEMS:

ITEM NO. A1.01
Refer to drawing elevation E/A-412 (CC088 LINEAR VAULT-NE): Delete the dimension text “CASEWORK SUPPLIED BY MIDMARK, O.F.C.I.”, and replace with the following text: “CASEWORK CUSTOM, C.F.C.I”

(The casework denoted in this detail shall not be casework by Midmark Corporation, but instead shall be custom laminate-faced wood cabinets, per specification section 064023 Interior Architectural Woodwork, furnished and installed by the Contractor).
ITEM NO. A1.02
Refer to drawing elevation F/A-414 (CC00R CORRIDOR CASEWORK), and reflected ceiling plan A/A-120 (BASEMENT REFLECTED CEILING PLAN): Provide a gypsum-board soffit/ceiling above this casework, within the casework nook located directly off Corridor CC00R. The bottom of the soffit shall be at 7'-2" AFF.

ITEM NO. A1.03
Refer to Specification Section 072726 – “FLUID-APPLIED MEMBRANE AIR BARRIERS”. Add to Section 2.3, A, 1, the following:

d. W.R. Meadows (Air-Shield LSR)

ITEM NO. A1.04
Refer to Specification Section 087100 – “DOOR HARDWARE”. Add the following text to Hardware Set E05:

“(1) Card Reader (See electrical specifications)”.

ITEM NO. A1.05
Refer to Specification Section 081416 – “FLUSH WOOD DOORS”. Add the following to Section 2.1, A:

5. Oshkosh

ITEM NO. A1.06
Refer to Invitation to Bid, Volume 1 of 3, GENERAL INDEX, SPECIFICATIONS, listed Specification Section 134900 Radiation Protection. Add to the project scope/project specifications, the denoted, but previously missing, specification section 134900 –“RADIATION PROTECTION”. (This specification section is attached as part of this addendum.)
Similarly, refer to Invitation to Bid, Volume 2 of 3, CONSTRUCTION DOCUMENTS, specifications Table of Contents, DIVISION 13 –SPECIAL CONSTRUCTION. ----Delete the words "(Not Used)", and add the following text under this division:

“134900 –RADIATION PROTECTION”

As confirmation, this specification section includes, but may not be limited to the following: Lead Lined Solid Core Wood Doors, Lead Lined Door Frames, Lead Sheet, Lead Lined Gypsum Wallboard, Interlocking Lead Brick Wall Shielding, Custom Direct Shielding Sliding Doors, Custom Swing Radiation Doors and miscellaneous lead protection items.

ITEM NO. A1.07
Refer to Specification Section 066116 – “SOLID SURFACING FABRICATIONS”, Part 1.5 INFORMATION SUBMITTALS:  Delete item B. “Woodwork Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.”

(Note: contractor submittals will need to show that items are built to the grade requirements of AWI, but AWI certificates will not be required.)

ITEM NO. A1.08
Refer to Specification Section 066116 – “SOLID SURFACING FABRICATIONS”, Part 1.7 QUALITY ASSURANCE, Item A, sub-item 1: Delete the text. “Shop is a certified participant in AWI’s Quality Certification Program.”, and replace with the following text:

“Shop shall construct products to meet AWI quality standards.”

ITEM NO. A1.09
Refer to Specification Section 066116 – “SOLID SURFACING FABRICATIONS”, Part 1.7 QUALITY ASSURANCE, Item B: Delete the text: “Installer Qualifications: Certified participant in AWI’s Quality Certification Program”, and replace with the following text:

“Installer Qualifications: Installer shall employ skilled workers who can custom install products similar to those required for this project, and will install to the level defined and required by AWI standards.”

ITEM NO. A1.10

(Note: contractor submittals will need to show that items are built to the grade requirements of AWI, but AWI certificates will not be required.)

ITEM NO. A1.11
Refer to Specification Section 064023 – “INTERIOR ARCHITECTURAL WOODWORK”, Part 1.6 QUALITY ASSURANCE, Item A: Delete the text. “Shop is a certified participant in AWI’s Quality Certification Program.”, and replace with the following text:

“Shop shall construct products to meet AWI quality standards.”

ITEM NO. A1.12
Refer to Specification Section 064023 – “INTERIOR ARCHITECTURAL WOODWORK”, Part 1.6 QUALITY ASSURANCE, Item D: Delete sub-item 1.

ITEM NO. A1.13
Refer to drawing A/A-000 (BASEMENT DEMOLITION PLAN): At the middle of the plan, add to the “NOTES” the following:

“8. Remove all of the existing finished roofing (including, but not limited to, waterproofing, rigid insulation and cover board) from the entire west portion of the underground, existing-to-remain concrete tunnel roof that connects Pav CC and Pav H. As clarification, this includes the existing tunnel roof area extending from column line “D” on the West side over to the East, approximately to column line “B.5”, and in the South
to North direction, extending from approximately column line “22”, north to the Pav CC building face at approximately column line “15”. Also see keynote #1 on drawing S-202.”

**STRUCTURAL ITEMS:**

**ITEM NO. S1.01**
Sheet S-302
1. Change Details D and E (Note 3), and Details H, J, and K (Note 1) to read as follows:

   “IN ORDER TO PREVENT OVERSTRESSING OF THE EXISTING WALLS DURING CONCRETE PLACEMENT, CONCRETE WALL FORMS MUST BE TIED TO THE EXISTING WALLS AT REGULAR INTERVALS. FINAL DESIGN OF SYSTEM INCLUDING FORMWORK, TIES, AND ANCHORAGE TO EXISTING WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT FORMWORK DRAWINGS AND CALCULATIONS SEALED BY AN ENGINEER LICENSED IN THE STATE OF KENTUCKY FOR REVIEW. BASIS OF DESIGN FOR TIE SYSTEM CONSISTS OF DAYTON SUPERIOR B12 ½”Ø COIL RODS @16” O.C. EACH WAY, EMBEDDED 6” IN ADHESIVE (HILTI HIT-HY 200 OR APPROVED EQUIVALENT), COUPLED TO A3B1 COMBINATION TIES, WITH CONCRETE PLACEMENT RATE OF 7 FEET/HOUR AND TEMPERATURE OF 60°F. FORMWORK SHALL BE DESIGNED TO ADEQUATELY SPAN BETWEEN FORM TIES. NOTE, FLUID CONCRETE PRESSURES (I.E. FORCES ON FORMWORK AND TIES SYSTEM) ARE A FUNCTION OF CONCRETE WEIGHT AND COMPOSITION, POUR HEIGHT, PLACEMENT RATE, AND CONCRETE TEMPERATURE. SEE ACI 347, GUIDE TO FORMWORK FOR, FOR FULL DESIGN REQUIREMENTS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FORM AND POUR ALL CONCRETE WITHOUT OVERSTRESSING THE EXISTING WALLS OR INTERRUPTING THE FUNCTION/OPERATION OF THE EXISTING INTERIOR SPACES. EXISTING BUILDING DRAWINGS ARE AVAILABLE UPON REQUEST FROM THE CONSTRUCTION MANAGER.”

**ITEM NO. S1.02**
Refer to details: D/S-401, G/S-401, K/S-501, and L/S-501. Clarify that the approved equal for the Powers Wood Knocker wood form insert shall meet the following properties: Allowable anchor tension capacity (concrete breakout capacity) shall be 2400 pounds minimum. Allowable anchor shear capacity shall be 1900 pounds minimum.

**ITEM NO. S1.03**
Refer to details: C & D/S-401. Clarify that the existing wall shall be cleaned as described in D/S-302. This is the case wherever new concrete abuts existing concrete. Wall shall also be cleaned where new waterproofing or offing is applied. See architectural drawings.

**ITEM NO. S1.04**
Refer to sheet: S-202. Add the following text to the beginning of Tag Note 1: “Existing roofing demolition shall include the removal of existing built-up roof (waterproofing, insulation, cover board, etc.).”

**MECHANICAL ITEMS:**

**ITEM NO. M1.01**
Refer to the Specifications, Section 202200-3: Under (1) Domestic Cold Water, add paragraph b as follows, “RO Water System to be insulated in accordance with the requirements detailed for domestic cold water.”

**ITEM NO. M1.02**
Refer to the Specifications, Section 201300-5, Paragraph G: RO Water to be installed in accordance with the
requirements outlined for domestic water piping.

ITEM NO. M1.03
Refer to the Specifications, Section 201300-7, Paragraph L: WAGD piping to be installed in accordance with the requirements outlined for medical gas piping.

ITEM NO. M1.04
Refer to the drawings, sheet M7.1, “CHILLED WATER PIPING SCHEMATIC”: In addition to sensors shown, provide digital ultrasonic flow meter at an accessible location above ceiling in the return piping to each end use device, CRAH-18 serving IT, CRAH-18 serving CT Equipment room, and Linear Accel. Device to report flow data (instantaneous gpm) to BAS. Flow meter to be provided by Controls Contractor, installed by Mechanical Contractor. In addition, mechanical contractor to provide manual balancing valves at an accessible location above ceiling in the return piping for each device to balance this constant volume closed loop system per manufacturer requirements.

ITEM NO. M1.05
Refer to the drawings, sheet M9.1, “PROCESS WATER LOOP CONTROLS SCHEMATIC”: In addition to sensors shown, provide digital ultrasonic flow meter in the return piping to each end use device, CRAH-18 serving IT, CRAH-18 serving CT Equipment room, and Linear Accel. Flow meter to be provided by Controls Contractor, installed by Mechanical Contractor.

ITEM NO. M1.06
Refer to the drawings, sheet M10.0, “SCHEDULE – AIR HANDLING UNIT”, Remark 7: Innovoit, Governair, Temptrol, and Ventrol are acceptable air handling unit manufacturers.

ITEM NO. M1.07
Refer to the drawings, sheet M10.0, “SCHEDULE – AIR COOLED CHILLER”, Remark 4: add “Digital scroll compressors are acceptable.” Add Remark 8: “Tandem and Artic Cool are acceptable manufacturers”

ELECTRICAL ITEMS:

ITEM NO. E1.01
Refer to Specification Section 260501 – “GENERAL PROVISIONS – ELECTRICAL”. Refer to part 17 – “RECORD DRAWINGS”. Replace this part with the following:

17. COORDINATION DRAWINGS AND RECORD DRAWINGS

A. COORDINATION DRAWINGS as follows:

(1) Detailed electronic coordination drawings shall be required for this project and shall be led by the Electrical Contractor. A specific line item shall be included on the schedule of values by each Trade for “preparation of coordination drawings”. This line item value shall be approved by the Engineer. The Engineer and the Engineer’s Field Inspector shall closely monitor progress and quality of the preparation of the electronic coordination drawings and may withhold pay requests as deemed appropriate.

(2) Coordination Drawings shall be provided on this project by each Trade (Mechanical, Fire Protection, Electrical). Drawings shall be 30 x 42 sheet size and shall be at ¼” scale and shall match the drawing setup as included in the Architectural Drawings. The Architect and Engineer will supply electronic drawings files of the Contract Documents upon the Contractor’s request and release.
(3) The basis for the Coordination Drawings shall be the electrical raceway shop drawings and electrical room layout shop drawings. These shall be prepared by the Electrical Contractor. The Coordination Drawings shall indicate (1) systems above ceilings in finished areas, (2) systems supported from the structure in finished areas without ceilings, (3) systems in the electrical rooms, and (4) all wall, roof, floor penetrations. **These drawings shall be 3-D drawings and shall be able to be reviewed with a 3-D software system such as Revit or Navisworks.** The contractor shall be responsible for organizing this information and presenting this to the owner for their review in the Kelly building on their Smartboard system.

(4) The shop drawings shall be completed in a timely manner so as not to conflict with construction schedule and phasing plan. At the General Contractor’s discretion, these drawings shall be completed in phases to correspond with the project construction work sequencing. The Electrical Contractor shall furnish an electronic copy of the shop drawings to all other Trades, specifically the Fire Protection and Mechanical and other Contractors as requested by the General Contractor for the purpose of including other trades work on the Coordination Drawings.

(5) Pre Coordination Meetings with all necessary trades shall occur. During these meetings, the Contractors shall discuss locations/elevations where piping, conduits, cable trays, etc will be installed with respect to the sheetmetal fabrication drawings and other trades. The sheetmetal ductwork and gravity piping systems shall be given the first priority. Within 30 days of the meeting, each Trade shall provide the Mechanical Contractor electronic drawings of all of their systems (with elevation noted), coordinated with the ductwork and other trades for them to incorporate into the Coordination Drawings. Coordination Meetings shall then occur so that all conflicts can be resolved between Trades. All conflicts shall be resolved between all Trades at these Coordination Meetings and the Electrical Contractor shall then amend the Drawings to include the Final Coordinated Work.

(6) It is realized that not all systems can be completely detailed. The coordination drawings shall include the following at a minimum:

(a) All conduit, existing or new, 2” or greater. This shall be coordinated indicating the existing items which require relocation above the ceiling. This includes conduits, ductwork, piping etc. Include multiple smaller conduits hung on a common trapeze hanger.

(b) All lighting fixtures.

(c) All cable tray.

(d) All wall, roof, floor penetrations.

(7) After completion of the Final Coordination Drawings, a Final Review with the all Trades shall occur to provide any final comments and approval by all Trades. Other interim coordination meeting will be required to insure successful coordination drawings. Any additional coordination items will be updated by the Electrical Contractor. The Final Approved Coordination Drawings shall distributed electronically (on CD) to each Trade by the Electrical Contractor. The Electrical Contractor shall also furnish a complete 30x42 paper set of drawings to the jobsite main office and shall utilize them for updates of field conditions/deviations that occur during construction. Final Approved Coordination Drawings shall also be distributed to the General Contractor, Owner, Architect and Engineer for their Records. This process shall be completed prior to starting any work.
B. RECORD DRAWINGS as follows:

(1) Each Contractor shall insure that any deviations from the Coordination Drawings are recorded as they occur, in red erasable pencil on Coordination Drawings kept at the jobsite. Upon completion of a particular phase, the Electrical Contractor shall incorporate all field deviations into the Coordination Drawings to be utilized as Record Drawings. The Engineer shall review the Record Documents from time to time to insure compliance with this specification. Compliance shall be a contingency of final payment. Keep information in a set of drawings set aside at the job site especially for this purpose. The Record Drawings shall be distributed electronically (on CD) to the Construction Manager, Owner, Architect and Engineer for their Records.

ITEM NO. E1.02
Refer to Specification Section 260503 – “SHOP DRAWINGS”. Refer to paragraph 1.F. Add the following to the list of items that are to be submitted in accordance with the shop drawing requirements:

- BIM Coordination Drawings

END OF ADDENDUM NO. 1.00
SECTION 13 49 00 - RADIATION PROTECTION

PART 1 - GENERAL

1.1 DESCRIPTION/SUMMARY

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. This section specifies lead radiation shielding. Use this Section in conjunction with the related Sections listed below to provide the complete radiation protection of all components.

C. Construction of products and assemblies used for radiation shielding complying with applicable requirements of NCRP Reports 147 and 102.

D. This section includes the following items:
   1. Lead Lined Solid Core Wood Doors
   2. Lead Lined Door Frames
   3. Lead Sheet
   4. Lead Lined Gypsum Wallboard
   5. Interlocking Lead Brick Wall Shielding
   6. Custom manufactured Linear Accelerator Direct Shielding Sliding Door (Neutron Dr)
   7. Custom manufactured Swing Radiation Door (Neutron Dr) (for CT Brachy Vault)
   8. Miscellaneous protection items, fasteners, Lead Angles, Lead Strips for at gyp- 
      board panel joints, Lead disc/plugs at fastener heads

1.2 RELATED WORK

A. Section 05 50 00, METAL FABRICATIONS

B. Section 08 14 16, FLUSH WOOD DOORS (For Wood Veneer door finish)

C. Section 08 11 13, HOLLOW METAL DOORS AND FRAMES. (For Steel door frames)

D. Section 03 HIGH DENSITY CONCRETE
1.3 MANUFACTURERS QUALIFICATIONS

A. Approval by Owner is required of product or service of proposed manufacturer and suppliers, and will be based upon submission by Contractor of certification that:
   1. Manufacturer regularly and presently manufactures lead radiation shielding as specified as one of its principal products.
   2. Manufacturer's product submitted has been in satisfactory and efficient operation or three installations similar and equivalent to this project for three years.
   3. Manufacturer submits list of installations.

1.4 TESTS

A. Lead radiation shielding will be tested by Owner after equipment is installed.
B. Any additional testing required due to correction and replacement of defective work will be done at Contractor's expense.

1.5 SUBMITTALS

A. Product Data: Submit the manufacturer’s detailed technical product information and installation instructions for each item of radiation protection and accessories required. Data to include verifications that shielding materials meet the minimum material densities specified in “Part 2 – Products”.

B. Shop Drawings: Each lead radiation shielding item specified showing thickness of lead, details of construction and installation. Shop drawings showing the layout of the entire radiation protected area. Show special components and installation conditions that are not fully dimensioned or detailed in product data submittals. Show dimensioned locations of embeds, conduits, boxes, etc that are to be performed by electricians or concrete workers. Submit shop drawings for each type of shielding, including wall/ceiling elevations, wall & ceiling sections and details of typical composite members. Show details of the overlapping joints between adjacent shielding members.

c. Samples:
   1. Lead lined gypsum wallboard.
   2. Bottom corner section of lead lined door, 300 mm (12 inches) square showing bottom and side edge strips.

   d. Product Data: Submit the manufacturer’s detailed technical product information and installation instructions for each item of radiation protection and accessories required.
Data to include verifications that shielding materials meet the minimum material densities specified in “Part 2 – Products”.

1.6 WARRANTY

A. Warranty lead lined doors against defects in workmanship and materials subject to terms of in GENERAL CONDITIONS, except that warranty period shall be two years.

B. Warp or twist of lead lined flush veneered doors may not exceed 6 mm (1/4 inch) in any face dimension of door (including full diagonal), measured not less than six months after doors have been hung and finished.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include, but are not limited to, the following:
   1. Lead products and products fabricated with lead:
      a. Parrot Shielding
      b. A & L Lead Company, Inc.
      c. Ameray Company
      d. Bar-Ray Products, Inc.
      e. NELCO (New England Lead Burning Company, Inc.)
      f. Patson Lead, Inc.
      g. Radiation Protection Products, Inc.
      h. Shielding Industries, Inc

2.2 LEAD LINED SOLID CORE WOOD DOORS

A. General: Lead lining of frames, doors and other items occurring in partitions shall provide an X-ray absorption equivalent to that of partitions in which they occur.

B. Clearance between Doors and Frames and Floors:
   1. Jambs and Heads: A maximum 3 mm (1/8 inch) clearance.
   2. Bottom of door to finish floor: Maximum 19 mm (3/4 inch) clearance.

C. Lead Lined Wood Doors:
   1. Flush veneered construction.
   2. Construct doors of two separate solid wood cores with a single sheet of lead lining through center.
   3. Doors shall have filler strips, crossbanding, face veneers and hardwood edge strips, all glued together with unextended urea resin glue applied under heavy pressure.
4. Extend sheet lead lining to all door edges, providing radiation absorption equal to partition in which door occurs.
5. Fasten wood cores together with either countersunk steel bolts through lead with bolt heads and nuts covered with poured lead, or with poured lead dowels.
6. Bolts or dowels shall be located 38 mm (1-1/2 inches) from door edges, and at not more than 200 mm (eight inches) on center in each direction over door area.
7. Finish face of dowels and lead covering of bolt heads and nuts flush with wood cores.
8. Edge strips:
   a. Same species of wood as face veneer.
   b. Minimum thickness of edge strips shall be 38 mm (1-1/2 inches) at top edge and 63 mm (2-1/2 inches) at bottom edge.
   c. Glue strips to cores before face veneer is applied.
   d. Extend vertical edge strips full height of door and bevel 3 mm (1/8 inch) for each 50 mm (two inches) of door thickness.
   e. Give top and bottom edges of doors to receive transparent finish two coats of water resistant sealer before shipment to site.
9. Crossbanding of hardwood:
   a. Not less than 2 mm (1/12 inch) thick and face veneer not less than 1 mm (1/28 inch) thick, after sanding.
   b. When straight grain stock such as Basswood, Aspen or Poplar is used for crossbanding, its thickness may be 1.6 mm (1/16 inch) in lieu of 2 mm (1/12 inch).
10. Face veneer for doors specified to have transparent finish, shall match non-lead lined doors.
11. Face veneer for painted doors shall be rotary cut, good grade, mill choice close grained hardwood, except lauan is not acceptable. Use only one species of wood for face veneer.

   a. Use identical face veneer on both sides of door. Apply face veneer with grain vertical.
   b. Give doors to be painted a shop prime coat of exterior oil paint on all surfaces before shipment to site.

D. Hardware:
1. Hardware for doors is specified in DOOR HARDWARE.
2. Stagger bolts to door pulls on plates which penetrate lead lining relative to opposite plate and recess on side of door opposite pull.
3. Provide lead plugs or discs over recessed nut ends of such bolts, unless otherwise shown.
4. Nut ends of bolts for surface applied hinges, door closures, and automatic door operators shall be countersunk and covered with lead lined 16 gage stainless steel pans.
5. Provide round head screws with dull chromium plated finish to secure stainless steel pans.
6. Provide mortises for flushbolts, floor hinge arms, and top pivots with sheet lead on each side. Enclose floor boxes of floor hinges with sheet lead at sides and bottom.
7. Make recesses for lock and latch cases at mill and line with lead butted tightly to lead in door.
8. Make total thickness of sheet lead used for lining hardware, equivalent to thickness of sheet lead core of door.

2.3 LEAD LINED DOOR FRAMES
A. Line the steel frames, stops and corners with sheet lead.
B. Frames that receive lead lining shall be 16-gauge minimum fully welded.
C. Install sheet lead free of waves, lumps and wrinkles with as few joints as possible.
D. Line the inside of frames with sheet lead of thickness not less than that used in the wall(s) where the frames are used. Form sheet lead to match the frame contour, continuous in each jamb and across the head, lapping the stops. Fabricate lead lining wide enough to maintain an effective lap with the lead of adjoining shielding.

2.4 LEAD SHEET
A. Lead Sheet: Fed. Spec. QQ-L-201, Grade C, of thickness shown on drawings or ASTM B 749, type L51120 (chemical lead), in sizes and thicknesses indicated.

2.5 LEAD LINED GYPSUM WALLBOARD
A. ASTM C1396, Type X, 16 mm (5/8 inch) thick.
B. Factory bond sheet lead to one side of wallboard.
C. Apply sheet lead in thickness shown, unpierced and in one piece.

2.6 INTERLOCKING LEAD BRICK SHIELDING:
A. Lead V-groove brick; 4” High x 12” Long x thickness denoted on drawings.
B. Density: 706 lbs/ cubic ft. minimum
C. Accessories: Provide the manufacturers standard accessories required for installation and maintaining the same protection as the system.
2.7 **CUSTOM MANUFACTURED LINEAR ACCELERATOR DIRECT SHIELDING SLIDING DOOR**

A. General: Provide new metal vault door and door frame with internal required radiation shielding. Door/frame shall be provided with all items required for a fully functional door assembly/system, including, but not limited to, structural steel support framing, concrete embeds, push button controls, trolleys, support beams, support brackets, safety sensors, hardware, lead shielding, auto-operator, battery backup, control box and steel plate door enclosure/body.

B. Door assembly design: Minimum door face plate thickness shall be ¼" thick A-36 steel. Any materials/information denoted on the drawings and within these specifications for the door/frame construction are minimum requirements. The full and final design is the responsibility of the Direct Shielding Sliding Door Manufacturer/Fabricator/Installer. All of the door's designs, materials sizes, connections, fastening, support members shall be determined/designed by the Direct Shielding Sliding Door Manufacturer/Fabricator/Installer.

C. Minimum Required Lead Thickness in Door Core: 7 ½" (inches)

D. Provides that all doors shall be shop primed.

E. Provide Vault Door Automatic Operator with battery backup, and Button Door Controls on both the Treatment side of room (1-location) and the Control side of room (2-locations).

F. Sensors: Presence sensors and Safety Edge Strip

2.8 **CUSTOM MANUFACTURED SWING RADIATION DOOR (NEUTRON DR)(FOR CT BRACHY VAULT)**

A. General: Provide new metal vault door and door frame with internal required radiation shielding. Door/frame shall be provided with all items required for a fully functional door assembly/system, including, but not limited to, structural steel support framing, concrete embeds, structural fasteners, hinges, actuators/controls, tube and/or plate steel reinforcement, safety sensors, hardware, lead shielding, auto-operator, battery backup, interlock switch prep, control box and steel plate door enclosure/body.

B. Door assembly design: Minimum door face plate thickness shall be ¼" thick A-36 steel. Minimum door frame metal thickness shall be ¼" thick A-36 steel. Any materials/information denoted on the drawings and within these specifications for the door/frame construction are minimum requirements. The full and final design is the responsibility of the Direct Shielding Sliding Door Manufacturer/Fabricator/Installer. All of the door's designs, materials sizes, connections, fastening, support members shall be determined/designed by the Direct Shielding Sliding Door Manufacturer/Fabricator/Installer.

C. Door Core Lead: 2" (inches) Minimum Required Lead Thickness

D. Door Frame lead: 2" (inches) Minimum Required Lead Thickness. (interlocking lead bricks)

E. Vault door and frame shall be shop primed.

F. Provide Vault Door Automatic Operator with battery backup, and actuator/controls

G. Sensors: Presence sensors and Safety Edge Strip

H. Additional hardware: Provide stainless steel push & pull handles; brush satin finish

I. Automatic Door Operator: equivalent to BrookField NB 1000

2.9 **MISCELLANEOUS MATERIALS**

A. Stainless Steel: ASTM A167.
B. Fasteners:
   1. Cadmium or chromium plated steel screws for securing lead louvers.
   2. Standard steel drill screws, ASTM C1002, with lead washers for application of lead lined sheet materials to metal studs and attach washers in accordance with shielding manufacturer's instructions.

C. Nails:
   a. Use barbed lead head nails for application of lead lined materials to wood furring strips.
   b. Long enough to penetrate furring strips not less than 25 mm (one inch).
   c. Cast-lead head sufficiently thick to equal lead shielding of room provided.

D. Lead Discs: Same thickness as lead lining of walls, diameter 25 mm (1 inch) larger than fastener

PART 3 - EXECUTION

3.1 INSTALLATION OF LEAD LINED GYPSUM WALLBOARD PANELS

A. Apply lead lined gypsum wallboard to metal studs as shown.
B. Predrill or drill pilot holes for nails or screws as necessary to prevent deformation of the fastener and lead shielding and to prevent distortion of the wallboard.
C. Apply wallboard vertically with lead linings placed next to supports.
D. Install sheet lead strips behind joints not less than the thickness used for the wallboard.
   1. The lead strips: 45 mm (1-3/4 inches) wide, except at corner joints, 45 mm by 45 mm (1-3/4 by 1-3/4 inch) lead angles shall be used.
   2. Secure the lead strips to supports at outer edges of strips. Where joints do not occur, provide shims at intermediate supports/wall stud faces.
E. Wallboard:
   1. Fasten to supports with screws and lead washers or discs at approximately 250 mm (ten inches) on centers.
   2. Make provisions for connection with lead lined door frames and for cutouts for vision panels.
   3. Joint treatment of lead lined gypsum board panels and fastening depressions shall be as specified for wallboard in Section 09 29 00, GYPSUM BOARD.
4. At intersections with other lead shielding or with other materials, provide proper overlap to assure continuity of the minimum required thickness of shielding at all locations.

F. Openings: Extend gypsum board into frames of openings, lapping lead lining with lead frames or frame linings. Arrange boards around openings so that neither horizontal nor vertical joints occur at corners of openings.

3.2 INSTALLATION OF LEAD LINED DOOR FRAMES

A. Install frames prior to constructing walls. Set frames accurately, plumb, and braced securely until permanent anchors are set.

B. Line the inside of frames with lead sheet of thickness not less than that of lead used in the walls where the frames are used. Form lead sheet to match the frame contour, continuous on each jamb and across the head, lapping the stops. Form lead shields around areas prepared to receive hardware. Lap lining over lining in walls.

c. Touch up damaged finishes with compatible finish after sanding smooth.

D. The installation shall be executed in strict conformity with the manufacturer's requirements and approved shop drawings.

E. Hardware: Line covers, escutcheons, and plates as required, to provide effective shielding at cutouts and penetrations of frames and doors. See Division 8 Section “Door Hardware” for other installation requirements.

3.3 SUPPLEMENTAL LEAD SHIELDING

A. Line or cover penetrations of wall lead, pipe chases, columns fasteners and elsewhere where shown with sheet lead. Install sheet lead free of waves, lumps and wrinkles and with as few joints as possible. Joints in sheet lead shall provide X-ray absorption equivalent to adjacent sheet lead finished smooth and neat.

B. Provide sufficient lead shielding for spaces around outlet boxes, junction boxes, film illuminators, and pipes, to obtain a net radiation protection at these spaces equaling net radiation protection specified for wall or partition in which they occur. Cover or line with lead sheet lapped over adjacent lead lining. Wrap conduit from lead sheet 10 inches from box.

3.4 SIGNS: FURNISH SIGNS AS FOLLOWS:

A. One for each Lead lined Room, lettered as follows:
THE PARTITIONS, AND THE DOORS OF THIS ROOM HAVE BEEN INSULATED WITH SHEET LEAD OF ______ mm THICKNESS PROVIDING A TOTAL LEAD EQUIVALENT PROTECTION OF ___ mm.

B. Signs:
   1. Signage Type/Size/Style to match Owner standard. (See Section 10 ‘Room Identification Signage’)
   2. Final mounting location within room to be coordinated with Architect prior to install.
   3. Submit shops for final text layout review/approval.

END OF SECTION 134900
Temporary Radiation Shielding

Access Ramp Dimensions TBD in field stone stabilized

Drain for stormwater

Sanitary manhole to be shored and protected

Temp Sanitary Pump around provide monitoring and generator backup

Penetrations 1-4

Penetration 5&6

Temp water tight

HVAC Wall 1&2

Micropile Shoring system for telecom duct

Potential ICRA ILSM measures/barriers

Existing Varian Accelerator (radiation hazard)
Temporary Shielding Plan

Flowable fill or precast panels poured against earth form to shield assume 3' thickness

Shoring in place to retain soil for vertical shielding

Existing Soil to Remain

Steel or Precast Concrete Lid Shielding During Linac Operation

Three Sided Trench Box can not bear on existing walls

Copyright 2017 - JRA, INC.
Temporary Wall

Roll Up Door or other access (31A)

Air/Watertight Wall temporarily built X2 (31A)

Temporary MEP Access/ Neg air Machine Access (31A)
For Conceptual Use
Safety & Health Program

For

UKHC Linear Accelerator/Brachytherapy

The Whiting-Turner Contracting Company
Construction Manager

MICHAEL BRISELDEN, VICE PRESIDENT
FORREST HOLDSWORTH, LEAD PROJECT MANAGER
SAM RUBIN, LEAD SUPERINTENDENT

Additional Safety Manuals On-Site

2. Hazardous Substances Guide (SDS)
3. OSHA CFR1926 Construction
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The objective of the UKHC LINEAR ACCELERATOR/BRACHYTHERAPY project and its General Contractor, The Whiting-Turner Contracting Company, Safety Program is to accomplish work in the safest possible manner consistent with good work practices. Management at every level is charged with the task of translating this policy into possible actions.

Safety will never be sacrificed for production. It must be considered an integral part of quality control, cost reduction, and job efficiency. Every supervisor will be held accountable for the safety performance demonstrated by the employees under his supervision.

Even though we believe our program to be most effective, we also recognize that as long as any possibility exists for even one person to suffer injury, we must continue to stress safety and to strive for improvement.

All contractors, and subcontractors will fully comply with the federal, state, and local laws, statutes, ordinance, rules, regulations, requirements, and guidelines of UKHC LINEAR ACCELERATOR/BRACHYTHERAPY project owners, and agencies pertaining to the performance of the all activities associated with this project.

Each contractor’s management and supervision are charged with the responsibility of preventing the occurrence of incidents or conditions that could lead to occupational injuries or illness. While the ultimate success of a safety, health and fire prevention program depends upon the full cooperation of each individual employee, it is management’s responsibility to assure that safety, health and fire prevention rules and procedures are adequate and enforced, and to assure that effective training and education programs are employed to the best advantage.

A training program shall be effectively established for everyone employed on this project. All project personnel will be required to give their full cooperation with a belief that accidents can be prevented.

The project requires that a consistent Construction Safety and Health Program be employed during all activities of its employees, agents, contractors and sub-tier contractors. This Construction Safety and Health Program document presents the minimum requirements acceptable to UKHC LINEAR ACCELERATOR/BRACHYTHERAPY project owners and The Whiting-Turner Contracting Company for the construction of the UKHC LINEAR ACCELERATOR/BRACHYTHERAPY project.

In performance of contracting activities for this project, a commitment shall be established for accident and fire prevention. Safety shall take precedence over schedule and production to eliminate personal injuries, occupational illnesses, and damage to equipment or property, as well as protecting the general public whenever they may be affected by contractor’s work.

Contractor management and supervision shall recognize the responsibility compliance to all established codes, regulations, standards and procedures. Enforcement action is mandatory; therefore, every supervisor will be held accountable for the safety performance demonstrated by the employees under his supervision.

In performance of the work, all contractors and subcontractors shall comply with all applicable laws related to safety and health including, but not limited to Occupational Safety and Health Act (OSHA), Kentucky Occupational Safety and Health Standards, Underwriter’s Laboratories, Inc., National Fire Protection Association, Environmental Protection Act, etc. The contractor shall also provide all notifications to each state or federal
agency, as required by law. In addition, the contractor shall also comply with all safety and health requirements of UKHC LINEAR ACCELERATOR/BRACHYTHERAPY project and The Whiting-Turner Contracting Company’s Safety and Health Program.

The goal of the project safety and health program is to have zero fatalities, zero permanent disabilities, and zero lost time accidents, on the UKHC LINEAR ACCELERATOR/BRACHYTHERAPY project.

____________________________________  ______________________________________
Project Manager                                              Safety Manager

____________________________________
Vice President
A. INTRODUCTION

Safety is an obligation of all Whiting-Turner employees and the employees of contractors employed by Whiting-Turner. Of foremost concern is the personal suffering of employees, relatives, and the public, that can result from accidents due to unsafe conditions and practices in the work place. Additionally, through the implementation of an effective safety program, we lower our accident rate thereby reducing insurance costs.

B. SUMMARY OF SAFETY PROGRAM

Responsibility

Whiting-Turner Contracting Co. and Whiting-Turner Contracting Co. contractors’ supervisory personnel must provide employees with the knowledge, training, equipment and tools to work in a safe manner. Supervisory personnel in turn must hold employees responsible for working in a safe manner. Each subcontractor must appoint one of his or her personnel as safety representative for 0-29 employees (does not have to be his sole responsibility) for 30-99 employees 1 on-site full-time safety representative from 100-199 2 on-site full-time safety representatives and so on as manpower increases. These safety representatives must have a minimum 5 years in construction safety or a certification such as CCHST, ASP OR CSP. The Whiting-Turner safety manager on Project UKHC LINEAR ACCELERATOR/BRACHYTHERAPY will be Sam Rubin.

All project personnel must attend the Project UKHC LINEAR ACCELERATOR/BRACHYTHERAPY Safety Orientation and WT Safety Orientation prior to starting any work on the project site. All personnel that complete the WT required Safety Orientation will be provided a numbered safety hardhat sticker. It is Mandatory that Subcontractors ensure that all their personnel complete this requirement prior to performing any work on the site. In addition, all employees before being allowed on site will be required to have a minimum OSHA 10-hour training and have proof of that training. Only high visibility safety vest will be allowed on UKHC LINEAR ACCELERATOR/BRACHYTHERAPY site. No t-shirts orange or green, unless with reflective striping, will be allowed on site.

Rules and Regulations

All federal/state OSHA requirements are to be enforced. All state and local safety and health regulations are to be enforced. In addition, the attached non-OSHA safety rules are required by Whiting-Turner and will be enforced.

1. Safety Plan

   A. The trade contractors will be responsible to maintain a safe working environment, which will meet all local, state, and federal OSHA requirements. The most stringent provisions will prevail on this project.

   B. Weekly safety meetings will be conducted every Wednesday at 7:15am and all construction personnel are required to attend.
C. The Occupational Safety and Health Administration (OSHA) has revised its Hazard Communication Standard (Hazcom 2012) to align with the United Nations’ Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. The revised standard is published in the March 2012 Federal Register (77 FR 17574). According to OSHA, four major changes have been made to the Agency’s Hazcom standard. Among the changes are the use of and employee training of the new label elements and the standardized format for the Safety Data Sheet (SDS). Employee training in labels and SDS must have been completed by Dec. 1, 2013. In order for companies to be in compliance with the training requirement. Every subcontractor and its employees should be familiar with all the changes in the OSHA Hazcom 2012 standard, including what OSHA summarizes as its four major changes (Hazard Classification, Labels, Safety Data Sheet, and Information & training). All subcontractors are required to submit Whiting-Turner with a copy of SDS sheets for all materials planned to be used on site ten days prior to material site delivery. This will not relieve the contractor from maintaining a set on site for his compliance to OSHA.

D. Safety and chemical audits will be conducted daily. Violations will be recorded by a safety notice being issued. A copy of all written violations will be given to the violator, the contractor and Whiting-Turner.

E. It is the responsibility of all contractors to post signs warning others of potential harmful activities. SDS sheets and a Foreman who can explain to the persons performing the work and others in the immediate area what the health hazards shall be readily available.

F. All contractors are responsible to have a written job specific health and safety program. A copy of this program prior to starting any work on site will be required as well as the name of the on-site safety representative. Whiting-Turner must approve this program prior to work starting. A review of the program will take place with the Whiting-Turner superintendent and the contractor’s competent persons involved in each work activity prior to work starting.

G. All contractors are required to report any accidents or injuries to Whiting-Turner immediately and provide Whiting-Turner a copy of any accident reports within 24 Hours.

H. Contractors are required to provide all employees with the proper personal safety equipment such as hard hats, eye protection, hearing protection, safety harnesses, gloves, welding and burning eye protection, etc.

I. Foremen or the safety officer for each contractor shall have the job site responsibility to see that his or her people use:

   1. Personal protective equipment

   2. Ladders in a safe manner by observing proper height to slope ratio (4:1 non-self-supporting or 3:1 for wood job made ladders). Extend all access ladders three (3) feet beyond access level and tie off to building.
3. Use tools in a safe manner. All guards and/or shields must be in place and working.

4. No metal ladders are permitted on site.

5. Inspect scaffolds and work platforms. Scaffolds and platforms may only be erected by competent personnel and must have a daily inspection certificate posted on the scaffold or platform.

6. Storage of materials is done in a safe manner.

7. Barriers must be in place and maintained. UKHC LINEAR ACCELERATOR/BRACHYTHERAPY and WT site caution tape and danger tape policy shall be adhered to by all contractors.

8. Housekeeping is taken care of prior to the start of work, during, and at the end of the day.

9. Instruct crew members in a safe and efficient planning of their work.


J. Dumpsters will be provided for daily clean up. No combustible scrap shall be stored in the buildings or against any structures or exterior building walls. Aisles and work areas must be kept clear of materials, tripping hazards, rolling hazards, etc.

K. The following non-OSHA safety rules will be enforced:

1. Containers
   a. No glass containers are allowed on site.

2. Cranes
   a. All lifts must use tag lines.
   b. No open hooks used on lifts.
   c. All cranes must have current certification.
   d. The swing radius must be protected.
   e. A written lift plan including layout diagrams, maximum load to be lifted, rigging procedures, crane capacity, and annual crane inspection must be submitted at least 48 hours in advance to the site SM/Superintendent. Lifts may never exceed 75% of rate crane capacity on the load chart. The plan will be maintained in the project file.
   f. For crane operators – when the crane arrives on site, copies of the approved FAA 7460 form, operator’s state and national licenses (NCCO, no exceptions), medical clearance card and daily crane inspection must be submitted to the project safety coordinator before lifting begins. Copies will be made and maintained in the project file.
g. All crane activities required a 24-hour notice prior to the crane
arrival.

3. Equipment
a. Absolutely no riding in equipment not equipped with proper
   seating and seat belts.
b. Equipment maintenance and fueling shall occur in designated areas
   only.
c. Each subcontractor is responsible for the containment and/or
   clean-up of any fuel, oil, chemical & spills. Each subcontractor
   must fill out a spill report out by the end of day and given to the
   Superintendent. Each subcontractor is also responsible for any
   vendors, suppliers, or second tier subs under their employ or
   dispatch.
d. Site speed not to exceed 10 MPH.
e. A visual inspection shall be performed and documented by the
   operator before use. Documentation must be kept on the
   equipment and turned in at the end of the week to Whiting-Turner.

4. Fire Control
a. No open fires, fire barrels, or hot boxes.
b. Fire extinguishers in:
   i. Trailers/offices - Minimum 10 lb. ABC
   ii. Equipment – Minimum 5 lb. ABC
   iii. Fire Watch – Minimum 20 lb. ABC
c. Fire extinguishers must be properly distributed around the site as
   follows:
   i. One for every 3,000 square feet
   ii. One at every stairway landing
   iii. One within 100 feet travel distance
   iv. One within 50 feet of flammable gas or liquids
d. During any welding or open flame operation a minimum 20 lb.
   ABC fire extinguisher will be kept within easy access (within 10
   feet).
e. Combustible trash should be removed from the building daily to
   dumpsters or other suitable containers.
f. Dumpsters and trash containers should be at least 30 feet from
   the building if possible.
g. There is absolutely no smoking or tobacco of any kind on the
   UKHC Linear Accelerator/Brachytherapy Project.

5. PPE/Hard Hats
a. Each subcontractor is responsible for providing enforcing FALL
   PROTECTION as required per OSHA standards Subpart M –
   1926.500,501,502,503
b. Safety harnesses, lifelines & lanyards will be used & conform to
   OSHA 1926.104
c. Hardhats must be worn on site at all times, and must have ANSI
   Z89.1 rating.
d. No metal hard-hats or bump caps authorized.

e. Hardhats that have been damaged or modified are not allowed.

f. 100% eye protection is required while on site. Safety glasses-ANSI Z87 rating (including side shields).

g. Work gloves must be available at all times and used as needed when work activity requires hand protection.

6. Foot Protection
   a. Substantial leather work boots are required.
   b. Loafers, sandals, tennis shoes (including steel toe type) are not allowed.

7. Ladders
   a. No metal ladders on site.
   b. Damaged ladders must be immediately removed from the site or destroyed.

8. Scaffolding
   a. Full handrails, mid-rails, toe boards, and full decking required on all scaffolds, regardless of height.

9. Signage
   a. Each trade is responsible for providing/installing adequate barricades and/or signage (bilingual if necessary) for hazards or hazardous conditions created by their operations.
   b. Use W-T supplied “Do Not Remove” signs on floor openings over 2”. A permit must be obtained from Whiting-Turner to penetrate any horizontal surface.
   c. Removal of barricades and/or other safety measures without prior consent/approval is grounds for removal from the project.

10. Smoking
    a. Prohibited on the UKHC Linear Accelerator/Brachytherapy project. No tobacco use of any kind is permitted on any University of Kentucky property.

11. Trucks
    a. No more than three (3) persons in cab of truck.
    b. No riding in back of truck unless equipped with seats and safety belts.

12. Work Clothing
    a. All shirts must have a minimum four (4) inch sleeve length over shoulders.
    b. No shorts, cut-offs, tank tops, net shirts, etc.
    c. Protective, non-combustible welding jackets will be worn while performing any welding activity.
    d. Safety vests/jackets on outermost layer of clothing. No fluorescent t-shirts without reflective striping will be permitted.
13. Trenches
   a. A competent person will be designated in excavation safety prior to any excavation work taking place.
   b. An excavation Authorization Form must be filled out and signed by a Whiting-Turner Superintendent.
   c. Trenches need to be shored or sloped at four (4) feet when there is danger of cave in.
   d. Barriers and/or cover plates shall protect Trenches at any depth.
   e. An entrance ladder is needed at four (4) feet minimum depth and maximum 25 feet travel distance.
   f. At no time will any employee be directed, or allowed to enter any excavation without proper shoring/sloping.
   g. Excavations must be inspected before each shift prior to work starting and after conditions change such as after a rain storm etc.
   h. All excavations must be performed and maintained by federal/state OSHA standards.

14. Electric Cords
   a. Tool & extension cords should not be frayed or damaged & should be equipped with a ground.
   b. GFI protection is required on all cords.
   c. All cords are to be picked up daily.
   d. All cords must be color-coded each month and quarterly.
   e. Minimum 12-gauge cord with contractor’s name shall be used on site.

15. Safety Fuel Cans
   a. Shall be labeled, in good condition, and equipped with a flame arrestor.
   b. Fuel cans may not be stored inside gang boxes or inside the building.
   c. Fuel cans must be stored in a fire storage cabinet.
   d. No plastic gas cans are allowed.

16. Dropping Materials
   a. A closed chute is required when dropping materials more than twenty (20) feet.

17. Housekeeping
   a. Shall be performed hourly and at the end of each day, and debris disposed of properly.

18. Eye Protection/Ear Protection
   a. Safety glasses ANSI Z87, will be worn at all times.
   b. Any activity creating 85 decibels or greater will require the use of ear protection.

19. Radios
a. No boom boxes or headsets on site at any time.
b. Radios other than for two-way communication are not permitted – PERIOD!

20. Acetylene Torches
a. All parts in working condition.
b. All bottles off and capped when not in use.
c. All bottles secured properly in cart while in use and tied securely.
d. No bottles laid down anywhere at any time.
e. Hot Work Permit shall be obtained from Whiting-Turner and placed near the area of work.
f. No hoisting of torches/bottles unless tied-off in a basket.

21. Roofing
a. Flat roofs shall have perimeter warning lines placed a minimum 6’ from edge for roofers and at a minimum of 15’ from the edge for all other trades
b. Any worker working beyond the perimeter warning line will be protected from falls by means of a full body harness and shock-absorbing lanyard.
c. Any worker performing any work on a sloped roof standing seam or shingled will be protected from fall by means of a full body harness and shock-absorbing lanyard.
d. Any worker working on a roof beyond the perimeter warning line or on any sloped roof who must change position must use a double lanyard system to safely change positions.

22. Mobile Platforms
a. All personnel using mobile platforms with articulating booms must be trained.
b. All personnel using mobile platforms with articulating booms must use fall protection by means of a full body harness with a shock-absorbing lanyard.
c. All mobile platforms with a boom must be inspected and signed off daily be each operator of said equipment. Inspection tags must be on equipment.

23. Confined Space
a. Each trade anticipating that any portion of their scope of work will be classified as being in a confined space, MUST submit for review & implementation a written CONFINED SPACE ENTRY PROGRAM to prevent unauthorized entry, identify and evaluate hazards and establish procedures and practices for safe entry, including testing and monitoring of conditions. It shall include provisions for an attendant stationed outside confined spaces during entry; procedures to summon rescuers and prevent unauthorized personnel from attempting rescue and a system for preparing, issuing, and canceling entry permits. It shall require coordinated entry for more than one employer, procedures for concluding entry operations, and the review of this program at
least annually and additionally as needed. It shall mandate initial and refresher training to provide employees skills, understanding, and knowledge to do the job safely. Employer certification of training must include employee’s name, signature, date of training, and trainer’s signature.

b. At no time will any employee be directed, or allowed to enter any confined space, prior to the proper training of the employee, and the implementation of established safety procedures, I.E; hazard evaluation, monitoring, ventilation, communications, PPE, lighting, barriers, ingress, egress, and rescue.

c. Prior to performing any confined space activities, each subcontractor shall designate & provide in writing, the name of the individual acting as the competent person and all training record must be turn in to the WT Superintendent before work is started.

24. Lockout/Tag out Procedure
   a. Minimum requirements of a lockout/tag out program are listed in Exhibit S3.

25. Certifications
   All certification must be submitted before Orientation.
   All certifications must be renewed annually with the following exceptions:
   a. Welding – indefinite
   b. Industrial trucks, i.e. JLG, skid steer – 3 years

26. **NOTE: ALL OSHA, STATE, AND LOCAL SAFETY STANDARDS ALSO APPLY TO THIS PROJECT**

L. All contractors are required to provide a copy of their lockout-tag out and confined space entry procedures.

M. **Safety Violation Notice (Exhibit S2)**

- When we (a Whiting-Turner employee) see anyone in violation of an OSHA or Whiting-Turner non-OSHA rule we will issue that individual a safety violation.
- Any Whiting-Turner employee can issue a violation notice. We are not here to be policemen, but we must enforce safety standards for the safety of your employees and others.
- In most cases the first written violation will result in a warning only. Second offense can result in a written violation and notification to employer. Three (3) repeat violations or a worker with multiple safety violations will be removed from the jobsite permanently.
- In some case no warning can be given. Life threatening safety violations will result in an automatic removal from the jobsite. (Examples of life threatening violations are: Removing the cover from an open hole and not safeguarding it. Removing perimeter safety cable and not tightening it back up. Electrician walking away from an open panel that has hot leads in it. Entering any excavation 5 feet deep or deeper without trench protection and fall protection.)

**Training and Education**

All new employees are to receive initial instructions from the safety representative on the methods for safe work.
Will include:

1. Rules and regulations
2. Proper use of tools and equipment
3. Acceptance of rules by the employee
4. Procedures for reporting unsafe conditions
5. Emergency procedures/phone numbers
6. Disciplinary measures

Tool Box Talks: All supervisory personnel/safety representatives are responsible for conducting weekly toolbox talks with their employees to discuss safety concerns and hazards. These talks must be documented, a copy provided to Whiting-Turner superintendent, and are a contractual obligation.

Safety Alerts: Whiting-Turner regularly publishes safety alerts to keep all personnel up to date on potential problems.

**Enforcement**

Regular jobsite inspections will be performed by all Whiting-Turner supervisory personnel. These inspections will be facilitated by the use of checklists, safety alerts, loss prevention material and OSHA.

As the field staff walks the site, they are expected to perform a safety inspection. The executed checklists will be returned to the project safety manager for recording and processing. Non-compliance safety checklists will be delivered immediately to the contractor creating the violation, so the situation can be corrected by that contractor. It is the responsibility of every contractor on the project to work safely and in accordance with the applicable standards. Furthermore, the subcontractors must maintain the safe working conditions established by the other subcontractors.

*Inspection from all Whiting-Turner staff is mandatory and individual participation will be monitored.*

Non-conformance/Safety Notice logs will be kept for all subcontractors and Whiting-Turner direct labor activities. Whenever repeat safety violations are identified, the offending party will:

First – be warned of his record and directed to take corrective measures immediately by the Whiting-Turner project superintendent.

Second – his corporate offices will be warned.

Third – if there is no cooperation and deviant conditions continue, the offending person or contractor will be removed from the project.

**C. SAFETY AWARDS PROGRAM**

The objective of this safety awards program is to motivate field personnel, provide incentive, and to develop and maintain safe work habits and attitudes. Furthermore, the positive attitudes
will generate a “safety culture” on the project to the accident prevention effort. Safety awards will be performance based, not based on accident or injury occurrence.

Whiting-Turner employs a full-time safety director to assist in setting up a project safety program, which provides guidelines for monitoring performance and maintaining effective loss control.

OSHA Inspections – courtesy OSHA inspections are welcomed to aid in identifying unsafe conditions.

Safety awards will be given out on a periodic time frame. Eligible recipients for the award will be all workers who have worked at least 40 hours and who have not had any safety violations in the past 90 days. Awards will be given in the form of $25.00 gift cards one for every 50 workers. The project safety manager will administer the safety awards program and issue them at the weekly safety meeting through a weekly drawing. Names for the drawing will be submitted by contractor foreman and will be based on Outstanding safety performance and not on accident or injury occurrences.

Employees who do not attend weekly safety meetings will not be eligible to receive safety prizes. Employees who have received a written safety violation will not be eligible to receive safety prizes.

**Documentation**

All accidents/injuries must be reported to Whiting-Turner immediately.

Supervisors must fill out the Whiting-Turner Accident Report.

All recordable injuries and accidents will be documented on the US Department of Labor Log and Summary of Injuries and Illnesses.

Whiting-Turner utilizes a web-based mobile application to generate Safety Violation and Atta-Boy notifications. This application can be used to track notices by type/subcontractor and distribute them to the appropriate parties.

**E. ORGANIZATION / RECORD KEEPING**

A project safety organization has been formulated and will consist of the following personnel:

Forrest Holdsworth – Project Manager
Sam Rubin – Superintendent

The project safety organization will meet weekly and review the following topics:

- Injury Reports
- Outstanding items from the last meeting
- Review and discuss Safety Notices and Non-Conformance
- Anticipated problems
The project safety organization along with contractor safety representatives will conduct weekly safety audits of the entire site addressing and documenting all issues found.

**JOBSITE INSPECTIONS (CHECKLIST)**

All Whiting-Turner supervisory personnel will perform regular jobsite inspections. These inspections will be facilitated by the use of checklists, which will be turned in at an anticipated rate of one inspection per week, per person.

The Safety Coordinator will place checklists appropriate to the on-going construction activities on clipboards at the office entrance with an Inspection Report coversheet. As the field staff walks the site, they are expected to take a clipboard with checklist, and perform a safety inspection. The executed checklists will be returned to the Project Safety manager for recording and processing. Non-compliance safety checklists will be delivered immediately to the subcontractor creating the violation so that subcontractor can correct the situation. It is the responsibility of every subcontractor on the project to work safely and in accordance with the applicable standards. Furthermore, the subcontractors must maintain the safe working conditions established by the other subcontractors.

**RECORD KEEPING**

The following list identifies the safety records being kept on-site for this project:

1. Accident Reports and Investigations – Superintendent and Safety manager (see Accident & Investigations included in this section).
2. OSHA 300 Form – Superintendent
3. Minutes of Project Safety Organization Meetings – Safety Manager/Superintendent
4. Safety Inspection Reports – Safety Manager/Superintendent
5. Safety Notices – Superintendent and Safety Manager
6. Outside Inspections (i.e., OSHA, etc.) – Superintendent and Safety Manager.
7. Tool Box Talks – Safety Manager/Superintendent

**CLOSING**

In addition, WT has considerable in-depth safety checklists, alerts, liability prevention, and fire prevention information available to our personnel via our in-house website. This information is too voluminous to include in this plan. In addition, all jobsites have the availability of our corporate safety department to aid in job specific safety issues.

Comments and suggestions to improve this program are encouraged. Please direct responses to the Safety Manager.
With your cooperation and supervision, the success of this project is assured.

F. FORMS AND PROCEDURES

1. SAFETY AND HEALTH INSPECTIONS

This subsection outlines various criteria for systematic examination of work areas and activities. Its focus is the identification and correction of potential safety, health, security, environmental, and fire hazards.

   a. Daily Inspections:

- Trade Foremen

   Each Trade Foreman shall conduct daily safety and total loss control inspections of the company’s work areas. They should take immediate corrective action to stop any job task involving company and/or our subcontractor’s employees found to be violating site safety or total loss control rules or requirements. The employees’ immediate Foreman shall be notified to report to the work site to correct the problem prior to any work being allowed to continue. Program procedures covering employee warnings, reprimand and termination policy shall be followed based upon the severity of the problem.

- Project WT Superintendent

   Make daily site inspections to assure that corrective action is taken by responsible company or subcontractor Foremen.

- Project Safety Manager

   Inspections will be conducted daily for Confined Space Entry, Crane Operations, Scaffolding, Excavations, and Trenching, Leading Edge work (re: roof, decking, erection) and fall protection. Inspections shall be documented using the attached “Hazard Control Report” and “Safety Inspection Report”

   b. Weekly Inspections:

   In addition to having Trade Foremen correct unsafe work activities as they walk through the job site daily, a more formalized job site safety audit review shall be conducted once a week by the Site Safety Manager and the contractor Safety representatives

   Results of this weekly safety audit shall be reviewed in the weekly supervisory meetings and subcontractors progress review meetings.

   c. Home Office Inspections:

   When corporate officials visit the job-site, the Project Superintendent and Project Safety Manager’s first item shall be to discuss the status of the safety and total loss control programs and performance results to-date as measured against company and client
targeted safety performance goals. The Project Superintendent and the Project Safety Manager shall also tour all company and subcontractor work locations with the officials.

d. Job Hazard Analysis:

Each Contractor shall develop a Job Hazard Analysis for each task their operation(s). The Job Hazard Analysis will be submitted to the Project Safety Manager/Superintendent for review and approval. Upon approval, the Contractor will assure that the Job Hazard Analysis is reviewed with the perspective employees. The Contractor’s Supervisor will monitor the operation to determine compliance. Incidents of non-compliance could indicate (1) a need for reinstruction (2) a need for a review of the operation or (3) a need for disciplinary measures. The Whiting-Turner Superintendent will observe contractor operations to ensure that Job Hazard Analysis (JHA) is being followed or a change in process has occurred and there is a need to correct the JHA.
## 2. JOB HAZARD ANALYSIS

### Instructions for Completing the Job Hazard Analysis Form

Fill in the required information at the top of the form and then proceed with the following instructions for the body of the form.

<table>
<thead>
<tr>
<th>OPERATION or TASK</th>
<th>POTENTIAL HAZARDS</th>
<th>RECOMMENDED ACTION OR PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Break the job down into its basic steps, e.g., what is done first, what is done next, and so on. You can do this by 1) observing the job, 2) discussing it with the operator, 3) drawing on your knowledge of the job, or 4) a combination of the three. Record the job steps in their normal order of occurrence. Describe what is three or four words are sufficient to describe each basic job step.</td>
<td>For each job step, ask yourself what accidents could happen to the person doing the job step. You can get the answers by 1) observing the job, 2) discussing it with the operator, 3) recalling past accidents, or 4) a combination of the three. Ask yourself: can he/she be struck by or contacted by anything; can he/she be caught in, on, or between anything; can he/she fall; can he/she overexert; in he/she exposed to anything injurious such as gas, radiation, welding rays, etc.? for example, acid burns, fumes</td>
<td>For each potential accident or hazard, ask yourself how should the worker do the job step to avoid the potential accident, or what should he/she do or not do to avoid the accident. You can get your answers by 1) observing the job of leads, 2) discussing precautions with experienced job operators, 3) drawing on your experience, or 4) a combination of the three. Be sure to describe specifically the precautions a person must take. Don’t leave out important details. Number each separate recommended precaution with the same number you gave the potential accident (center column) that the precaution seeks to avoid. Use simple do or don’t statements to explain recommended precautions as if you were talking to the person. e.g. Lift with your legs, not your back. Avoid generalities like “Be Careful”, “Be alert”, “Take caution”, etc.</td>
</tr>
</tbody>
</table>
## Job Hazard Analysis Worksheet

<table>
<thead>
<tr>
<th>JOB HAZARD ANALYSIS</th>
<th>Job Title: SUPERVISOR: Cell Phone #</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Company:</th>
<th>Area / Location:</th>
<th>Analysis By:</th>
<th>Reviewed By:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Basic Task Steps</th>
<th>Hazards</th>
<th>Control and Procedure</th>
<th>Tools and Equipment</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
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<tr>
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</tbody>
</table>
3. SAFETY ORGANIZATION

The Project Safety Manager/Superintendent (PSM) will be the administrator of the Project Safety and Health Program for the entire project site. The PSM duties will include:

1. Conducting Safety Orientations for all workers, on site.
2. Conducting Safety Meetings.
3. Perform site safety inspections.
4. Supervise sub-contractor safety programs.
5. Administer Safety Violations.
6. Administer the Safety Awards Program.
7. Implement and manage all safety programs such as Jobsite Hazard Analysis, Hazard Communication, Lockout/Tag out, Confined Space, Fire Prevention, etc.
8. Conduct accident investigations and reporting.
9. Oversee First Aid and Sanitary requirements.
10. Attend all pre-construction meetings, progress meetings, and other meetings as necessary to insure safety items are being addressed.
11. Coordinate Site Security with safety needs.
12. Coordinate with police and emergency response units as needed for project.

Safety duties will also be the responsibility of Whiting-Turner supervision as well as Sub-contractor supervision. All supervisory personnel must plan and require that all work be done in compliance with the Safety Program and all applicable, local, state, and federal regulations. They are to not knowingly permit any individual to work in circumstances that may expose the worker to unsafe conditions or danger. All supervisory personnel are to impress a responsibility and accountability of everyone to maintain a safe workplace and work in a safe manner. Additionally, it will be required that all supervisory personnel are responsible for the following:

1. Be responsible for inspecting the site daily, making recommendations and notifying the appropriate parties of any corrective action to be taken.
2. Conduct weekly Safety Meetings or insure sub crews are conducting Safety Meetings.
3. Conduct Jobsite Safety Analysis (JSA) for all job tasks.
4. Train all employees in handling and use of all Hazardous Materials as defined by OSHA.
5. Ensure availability of all necessary personnel protective equipment.
6. Ensure that all accident victims are promptly cared for and that all injuries are promptly addressed. All accidents must be investigated, documented and reported to the PSM.
7. Coordinate with the PSM on all-important matters regarding job safety.
Safety Documentation Distribution Chart

- W-T Project Manager
- Project Safety Manager
  - Monthly Reports
  - Accident Reports
- Subcontractor Project Management
  (Accident reports only)
Safety Inspections and Accident Reporting Flow Chart

Contractor Safety Analysis → WT Safety Manager Review

Conforming → File
Non-Conforming → Return to Contractor for Review & Revision

Safety Inspections

Conforming → File
Non-Conforming

Notify Responsible Contractor → Corrective Action
Copy to Project Manager

Follow-up
Accident Reporting

Notify Safety Manager

Investigation

Immediate Corrective action if necessary

Report

Follow-up
SAFETY NOTICE

Job No.: ________________________________

Project: ________________________________

Date: ________________________________

Employee: ______________________________

Employer: ______________________________

Craft: ________________________________

Description of Violation: ______________________________

______________________________

______________________________

______________________________

The Employee cited above is not following safe work practices as noted.

Whiting-Turner policy requires that all practical effort be taken to eliminate or minimize exposure of workers to unsafe and/or unhealthy conditions on our jobsites. Subcontractors are obligated to cooperate with this policy.

FAILURE OF A WORKER TO COOPERATE FULLY IN CARRYING OUT OUR SAFETY PROGRAM IS CAUSE FOR DISCIPLINARY ACTION, INCLUDING PROBATION, SUSPENSION AND/OR DISMISSAL.

THE WHITING-TURNER CONTRACTING COMPANY

(Signed) ________________________________  Safety Representative/Superintendent

Employee  Employer  WT Field  Safety Dept.  Job Steward
EXHIBIT S3

WHITING-TURNER LOCK-OUT/TAG-OUT PROGRAM

Definitions

Affected Employee - An employee whose job requires him/her to operate or use a machine or equipment on which servicing, or maintenance is being performed under lockout or tag out, or whose job requires him/her to work in an area in which such servicing or maintenance is being performed.

Authorized Employee - A person who locks or implements a tag out system procedure on machines or equipment to perform the servicing or maintenance on that machine or equipment.

Capable of Being Locked Out - Designed with a hasp or other attachment or integral part to which, or through which, a lock can be affixed, or if it has a locking mechanism built into it.

Energized - Connected to an energy source or containing residual or stored energy.

Energy Isolating Device - A mechanical device that physically prevents the transmission or release or energy, including but not limited to the following: electrical circuit breaker, a disconnect switch, a manually operated switch by which the conductors of a circuit can be disconnected from all ungrounded supply conductors and, in addition, no pole can be operated independently; a slide gate; a slip blind; a line valve; a block; and similar device used to block or isolate energy.

Energy Source - Source of electrical, mechanical, hydraulic, pneumatic, chemical, thermal, or other energy.

Hot Tap - Procedure used in the repair, maintenance, and services activities which involves welding on a piece of equipment (pipelines, vessels, or tanks) under pressure, to install connections or appurtenances.

Lockout - Placement of a lockout device on an energy isolating device, in accordance with an established procedure, ensuring that the energy isolating device and the equipment being controlled cannot be operated until the lockout device is removed.

Lockout Device - Device that utilized a positive means such as a lock, either key or combination type, to hold an energy isolating device in a safe position and prevent the energizing of a machine or equipment.

Servicing and/or Maintenance - Workplace activities such as constructing, installing, setting up, adjusting, inspecting, modifying, and maintaining and/or servicing machines or equipment.

Tag out - Placement of a tag out device on an energy isolating device in accordance with an established procedure, to indicate that the energy isolating device and the equipment being controlled may not be operated until the tag out device is removed.

Tag out Device - A prominent warning device, such as a tag and a means of attachment, which can be securely fastened to an energy isolating device in accordance with an established procedure, to indicate that the energy isolating device and the equipment being controlled may not be operated until the tag out device is removed.
Lockout/Tag out Procedure

Statement

The following is a minimal lockout/tag out system procedure. It is intended to act as an energy control procedure to ensure against the unexpected energizing, start up or release of stored energy.

Please note that exposures will change from project to project, therefore, pre-planning before work begins is essential.

General

Lockout is the preferred method of isolating machines or equipment from energy sources. The following simple procedure is provided for use in both lockout and tag out programs. This procedure may be used when there is a limited number or type of machines or equipment or there is a single power source. For more complex systems, a more comprehensive procedure will need to be developed, documented, and utilized.

Purpose

This procedure establishes the minimum requirements for the lockout or tag out of energy isolating devices. It should be used to ensure that the machine or equipment are isolated from all potentially hazardous energy, and locked out or tagged out before employees perform any servicing or maintenance activities where the unexpected tendereization, start-up or release of stored energy could cause injury.

Responsibility

Appropriate employees shall be instructed in the safety significance of the lockout/tag out procedure. The superintendent on the project should be fully aware of this procedure and instruct employees before work begins on the lockout/tag out procedures and potential hazards involved in such work. It is the responsibility of the superintendent to verify, through inspections, that the lockout procedure is being followed.

Sample Preparation for Lockout or Tag out

A) Pre-Planning

1. Make a survey to locate and identify all isolating devices.

2. Make sure the switch(s) valve(s) or other energy isolating devices apply to the equipment to be locked or tagged out.

3. Keep in mind more than one energy source (electrical, mechanical, or others) may be involved.

4. Any questionable identification should be clarified by the superintendent or employees before work begin.

B) Sequence of Lockout or Tag out System Procedure
1. Notify employees that a lockout or tag out system is going to be utilized and the reason therefore. The Superintendent should know the type and magnitude of energy that the equipment utilizes and should be fully aware of all potential hazards.

2. If the equipment is operating, shut it down by normal stopping procedure (depress stop button, open toggle switch, etc.)

3. Operate the switch, valve, or other energy isolating device(s) so that the equipment is isolated from its energy source(s). Stored energy (such as that in springs, elevated machine members, rotating flywheels, hydraulic systems, and air, gas, steam, a water pressure, etc.) must be dissipated or restrained by methods such as repositioning, blocking, bleeding down, etc.

4. Lockout and/or tag out the energy isolating devices with assigned individual lock(s) or tag(s).

5. After ensuring no personnel are exposed, and as a check on having disconnected the energy sources, operate the push button or other normal operating controls to make certain the equipment will not operate.

Caution: return operating control(s) to "Neutral" or "Off" position after the test.

6. The equipment is now locked out or tagged out to protect against accidental or inadvertent operation when such operation could cause injury to employees.

7. Do not attempt to operate any switch, valve, or the energy isolating device where it is locked and/or tagged out.

Restoring Machines or Equipment to Normal Production Operations

A) After the servicing and/or maintenance are complete and the equipment is ready for normal production operations, check the area around the machine or equipment to ensure that no one is exposed.

B) After all tools have been removed from the machine or equipment, guards have been reinstalled and employees are in the clear, remove all lockout or tag out devices. Operate the energy isolating devices to restore energy to the machine or equipment.

Procedure Involving More Than One Person

In the preceding steps, if more than one individual is required to lockout or tag out equipment, each shall place his/her own personal lockout device or tag out device on the energy isolating device(s). When an energy isolating device cannot accept multiple locks or tags, a multiple lockout or tag out device (hasp) may be used. If lockout is used, a single lock may be used to lockout the machine or equipment with the key being placed in a lockout box or cabinet which allows the use of multiple locks to secure it. Each box or cabinet which allows the use of multiple locks to secure it. Each employee will then use his/her own lock to secure the box or cabinet. As each person no longer needs to maintain his or her lockout protection, that person will remove his/her lock from the box or cabinet.

Date: __________
Whiting-Turner Required Pre-Shutdown / LOTO Checklist:

This applies to any piece of Equipment Electrical or Mechanical.

This form must be filled out and have a shutdown/Outage Request form signed from Whiting-Turner to proceed with work.

1. Who is performing/requesting the shutdown? Is there more than 1 person/trade involved? Who? (Electrical, mechanical, controls, security etc.)

2. What is the shutdown for and has it been scheduled and coordinated with W-T?

3. What piece of equipment is being shut down? (Physical Name) Location of equipment? (Reference Column lines, bldg. area etc.)

4. What is the equipment tag # label? Is this correct/verified per the CD’s?

5. Are equipment valves affected? Are they manual/automatic and what is the valve number?

6. Is the panel schedule correct and breaker/feeders labeled properly?

7. What power source is feeding this equipment upstream? (Source Control) Verify with CD’s and field verify.

8. What does this equipment feed downstream? Verify with CD’s and field verify.

9. Is the equipment in the state it should have been? (Open/Closed-Energized/De-energized) If not then WT must be notified.

10. Length of shutdown? If more time is needed notify WT.

11. Has work been complete and equipment been put back to its original state? If not, why?

Questions/Comments:

This checklist is to be returned to WT filled out prior to performing work.
EXHIBIT S4
PRECONSTRUCTION CONTRACTOR SAFETY REVIEW

Date: __________________________ Work Start Date: __________________________

Work Done Date: __________________________

Sub-Contractor: ____________________________________________________________

Sub-Contractor sub: ________________________________________________________

Description of work: ________________________________________________________

Contractor site Superintendent: _____________________________________________

Contractor site Foreman: ____________________________________________________

Trade foreman if different than site foreman: _________________________________

Name: ___________________________ Trade: _________________________________

Name: ___________________________ Trade: _________________________________

Name: ___________________________ Trade: _________________________________

Sub-Contractor safety representative: _________________________________________

Sub-Contractor emergency phone number: Office: ____________________________

After Hours: ____________________________

Other: ____________________________

WHITING-TURNER EMERGENCY NUMBERS:

Trailer: __________________________

Office: __________________________

Cell: __________________________

PERSONAL PROTECTIVE EQUIPMENT

YES NO

• Hard Hats
• Steel Toe Leather Shoe
• Safety Glasses/Eye Protection (100% of the time)
• Hearing Protection
• Safety Vests
• Fall Protection
• Face Shields
• Respiratory Protection
• Gloves
• Chaps
<table>
<thead>
<tr>
<th>HEALTH AND ENVIRONMENTAL</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous Waste Disposal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise Control</td>
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<tr>
<td>Heat Stress Control</td>
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<tr>
<td>MSDS on site</td>
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</table>

<table>
<thead>
<tr>
<th>HAZARDOUS ENERGY CONTROL</th>
<th>YES</th>
<th>NO</th>
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<tr>
<td>Lock-out/Tag-out Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GFCI use</td>
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<tr>
<td>GFCI use with Extension Cords</td>
<td></td>
<td></td>
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<tr>
<td>GFCI on Portable generators/welders</td>
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<table>
<thead>
<tr>
<th>OVERHEAD LIFTS</th>
<th>YES</th>
<th>NO</th>
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<tbody>
<tr>
<td>Crane Certification on file</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crane roped off with safety barricades</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tag lines on all lifts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All operators certification current (NCCO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Riggers trained/ qualified</td>
<td></td>
<td></td>
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<tr>
<td>All Signalmen trained/ qualified</td>
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<td></td>
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<tr>
<td>No lifting over other trades</td>
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<table>
<thead>
<tr>
<th>SIGNS AND BARRICADES</th>
<th>YES</th>
<th>NO</th>
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<tbody>
<tr>
<td>Excavation protection</td>
<td></td>
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<tr>
<td>Perimeter cables</td>
<td></td>
<td></td>
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<tr>
<td>Overhead hazard signs</td>
<td></td>
<td></td>
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<tr>
<td>Floor/Roof openings barricaded</td>
<td></td>
<td></td>
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<tr>
<td>Stairway railings</td>
<td></td>
<td></td>
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<tr>
<td>Special warning signs</td>
<td></td>
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<tr>
<td>Swing Radius of moving equipment barricaded</td>
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<table>
<thead>
<tr>
<th>LADDERS AND SCAFFOLDING</th>
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<tbody>
<tr>
<td>No metal ladders</td>
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</tr>
<tr>
<td>Extension ladders tied off 3 ft. above level</td>
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<tr>
<td>Guardrails/toe boards on all scaffolds</td>
<td></td>
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<tr>
<td>OSHA approved planking</td>
<td></td>
<td></td>
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<tr>
<td>Baker scaffold outriggers</td>
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<tr>
<td>Locking wheels on all mobile scaffolds</td>
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<td>Daily inspection signed off</td>
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<tr>
<td>Scaffolding building certification</td>
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<table>
<thead>
<tr>
<th>TOOLS AND EQUIPMENT</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two-way radios</td>
<td></td>
<td></td>
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<tr>
<td>Electric hand tools</td>
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<tr>
<td>Propane powered</td>
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<tr>
<td>Pneumatic powered</td>
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<tr>
<td>Gasoline powered</td>
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<tr>
<td>High pressure water</td>
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<tr>
<td>Portable lighting</td>
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<tr>
<td>Aerial lifts (JLG/Genie)</td>
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<tr>
<td>Scissor lifts</td>
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<tr>
<td>Jack hammers</td>
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</tbody>
</table>
TOOLS AND EQUIPMENT (CON’T)  YES NO
- Baker scaffolds  ☐ ☐
- Mast scaffolds  ☐ ☐

HOT WORK  YES NO
- Compressed gas storage  ☐ ☐
- Hot work permit needed  ☐ ☐
- Protective flash curtains  ☐ ☐
- Hazardous fume ventilation  ☐ ☐
- Fire extinguishers accessible  ☐ ☐
- Fire watch  ☐ ☐

FLAMMABLE AND COMBUSTIBLE LIQUIDS  YES NO
- Fire Extinguishers on all vehicles  ☐ ☐
- NFPA Approved Containers  ☐ ☐
- Storage of Flammables  ☐ ☐

SPILLS  YES NO
- Spill kit required for fuel/hydraulic spills  ☐ ☐
- Temporary protection of drains  ☐ ☐
- Secondary Containment Required  ☐ ☐

UNDERGROUND UTILITY AND ELECTRICAL INFORMATION  ☐ YES ☐ NO

________________________
________________________
________________________

SUBCONTRACTORS COMPETENT PERSON (S) ________________

SUBCONTRACTORS OSHA trained 30 HOUR ________________

SUBCONTRACTORS OSHA 10 certs turned in ________________

SUBCONTRACTORS date for Orientation ________________

MEETING ATTENDEES
Name: ___________________________________________ Company ___________________________

_______________________________________________

_______________________________________________

_______________________________________________

_______________________________________________

The Whiting-Turner Contracting Company Safety Plan
Page 32 of 33
### SAFETY ORIENTATION LOG

<table>
<thead>
<tr>
<th>ID Number</th>
<th>Contractor Name</th>
<th>Employee Name</th>
<th>Orientation Training Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
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UNIVERSITY OF KENTUCKY – BRACHYTHERAPY EXPANSION
UK Project No. 2457.0

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
BRACHYTHERAPY EXPANSION

Subcontract 01A – General Conditions

Project No. 2457.0 Project Title: UK Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: __________________________________________
Date: ____________________________
Telephone: _________________________

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

INVITATION TO BID: CCK-2269-18
BID OPENING DATES: 13 February 2018
TRADE CONTRACT DESCRIPTION: _______
TRADE CONTRACT NO.: 01A
TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. ___________ DATED ________________
ADDENDUM NO. ___________ DATED ________________
ADDENDUM NO. ___________ DATED ________________
ADDENDUM NO. ___________ DATED ________________
ADDENDUM NO. ___________ DATED ________________

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY __________________________ TITEL __________________________
PRINT NAME __________________________ FIRM __________________________
ADDRESS __________________________ PHONE ( ) __________________________
CITY __________ STATE __________ ZIP CODE __________
FAX ( ) __________________________ DATE __________________________

Work Category – 01A          Page 2 of 13
Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor’s operations. The Contractor’s failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ____________________________

_________________________ DOLLARS AND __________________CENTS.

$________________________

(USE WORDS) (USE WORDS) (USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01)___Small Business    (05)___Woman-Owned Small Business
(02)___Large Business    (06)___Woman-Owned Large Business
(03)___Disadvantaged Small Business    (07)___Disadvantaged Woman-Owned Small Business
(04)___Disadvantaged Large Business    (08)___Disadvantaged Woman-Owned Large Business
(09)___Other

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
4. List of Materials and Equipment.
5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER’S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, “to the responsive and responsible bidder whose bid offers the best value” to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

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<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<td>Internet Service 40 mbps or better</td>
<td>Monthly</td>
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<td>Laborer</td>
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<td>Supervisor</td>
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<td>Dumpster pull 40 YD</td>
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<tr>
<td>Carpenter</td>
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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following subcontractor/suppliers:

<table>
<thead>
<tr>
<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

*The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.*

*The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.*

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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

2. Minority and Women Material Suppliers

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 01A – General Requirements

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

The work covered under this Contract includes but is not limited to the following specific work items:

**Unit 01A – General Requirements**

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 10 - Specialties
  - 105113 - Metal Lockers
- Division 11 – Equipment
  - 117000 - Owner Furnished Equipment
- Division 33 – Site Utilities

***Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.***

1. **Scope of Work** – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.

2. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents. Additionally, this Subcontractor will provide to the Construction Manager 5 two year Plangrid bulldozer licenses to use at their discretion. Emails for licenses to be confirmed with the Construction Manager.

3. **Site Fencing** – This Subcontractor is has included for all fencing needs around the project site, job trailers, temporary fencing enclosures, covered walkways, temp lighting, and fence movement per the phasing plans as included in the Bid Package. All fencing is to be 8’ tall, driven posts, chain-link, with wind screen, and perimeter lighting, in accordance with the Contract Documents. All materials, equipment, and peripheral items required for installation and maintenance have been included by this Subcontractor. Additionally this subcontractor has accounted for all jobsite signage as required by statute, and all gates as indicated on the logistics plan. This subcontractor will ensure at a minimum monthly maintenance is performed on all gates and fencing to maintain a professional appearance, and ensuring fence and gate sagging does not occur. If sagging of gates or fencing occurs this subcontractor will immediately correct. Windscreen will also be corrected and replaced when normal wear and tear disturbs its professional appearance.
4. **First aid** - This Subcontractor will provide to the construction manager first aid equipment for the duration of the project. This will include but not be limited to: first aid kit for up to 100 personnel, AED with replacement battery life for project duration one for job trailer one for work area, additionally two trauma kits will be made available for use by the construction manager.

5. **Asbestos** - construction documents have advised of the potential for asbestos in the renovation areas. This subcontractor will provide an area asbestos survey prior to other trades working in the space. Should asbestos be found this subcontractor will provide to the CM a $100,000 dollar allowance for abatement of asbestos.

6. **Misc. Carpentry** – This Subcontractor will make available to the CM 1 carpenter and 1 laborer for 50hrs per week to the Construction Manager to use at their discretion, for duration of 14 months. This Subcontractor has included an allowance of $75,000 for this labor, misc. materials, lumber, tools, etc. Any unused portion of this allowance both labor and material will be returned to the Construction Manager for other use at its discretion.

7. **Safety Barricades** – This Subcontractor will provide and install all safety barricades as directed by the Construction Manager including maintenance. This includes but is not limited to: hand rails, perimeter cabling, hole and opening covers, pit rails, power drop cord hooks, etc.

8. **Erosion Control Maintenance** – This Subcontractor is responsible for the maintenance, and removal thereof, of all installed erosion control measures and jobsite entries for the duration of the project. Erosion control measures will be installed by others.

9. **Street Sweeping** – This Subcontractor has included all daily street sweeping services for entries and exits of the jobsite. This includes manual labor to remove rock, dirt, and debris that may arise, as well as ride on street sweeper or any other equipment necessary to keep the immediately surrounding roadways clean.

10. **Dumpsters** – This Subcontractor has included for disposal of all waste, except soil, from the site for the grading phase of the project. This includes but is not limited to: all dumpsters, concrete, metal, or co-mingled construction debris for recycling. Dumpsters for concrete spoils and cleanout, any necessary or required platforms or ramps. All possible construction waste will be recycled with up to date logs showing total tonnage of waste vs. recycled waste. Subcontractor will assume 1 pull a week 40yd dumpster for project duration.

11. **Laydown Areas** - This subcontractor has accounted for all laydown areas required, the preparation, the geotextile fabric, and has provided for rock to ensure clean laydown areas for the duration of this project as shown on the logistics plan. Additionally this Subcontractor has accounted for all maintenance and return to finished condition of laydown areas.

12. **Washdowns** - This Subcontractor will provide for two vehicle washdown stations. Locations to be determined with CM in field.

13. **Temporary Utilities** – This Subcontractor is responsible for all temporary utility fees, including monthly use, in accordance with the Contract Documents. This will include power to the project trailers and site, and water & sewer for both the jobsite and project trailers, through the duration of the project.

14. **Jobsite Trailer and Furnishings** - This Subcontractor will provide to the CM a jobsite trailer for office equipment, meetings, drawings, etc. This will be an Acton Mobile 2460 or equivalent type trailer. Size and type of trailer to be confirmed with CM. Additionally this Subcontractor will provide office furnishings to include four desks, four office chairs, printer ink, paper, office supplies, and janitorial services for the duration of the project. This Subcontractor will include for office use IT equipment for establishing a jobsite PlanGrid/BIM station. This will include 65" flat screen TV with Wireless HDMI equipment, and a switch for wireless internet direct connection for jobsite equipment to be provided by WT. Specific type of equipment to be confirmed with CM prior to installation.
15. **Temporary Walkways** - This Subcontractor will provide to the CM an allowance of $15,000 dollars for concrete and asphalt walkways as may be required during the duration of construction. **Any unused portions of this allowance will be returned to the Construction Manager for use at its discretion.**

16. **Fire Extinguishers** – This Subcontractor will provide all temporary fire extinguishers for the duration of the project. This is to include at a minimum 4 extinguishers for the project trailers and 5 extinguishers for the site, all to be used at the Construction Managers discretion. All service, charging, tagging, testing, and certifications have been included. Fire extinguishers will be provided per all OSHA requirements for all trades.

17. **Misc. Demolition** - This Subcontractor will be responsible for all misc. demolition indicated on the contract documents. Including but not limited to TV bracket demolition, furnishing demolition, furniture removal, existing millwork demolition, etc. Major demolition to be performed by trade responsible for finished condition of demolished item.

18. **Misc. Finishes** - This subcontractor will be responsible for all misc. finishes. T.V Bracket installation, reception and installation of all OFCI item. This is to be a complete and full turnkey installation

19. **Millwork** - This Subcontractor has accounted for reception and complete installation of all owner provided millwork. Additionally, this Subcontractor will provide all CM provided millwork and accessories.

20. **Specialties and Equipment** - This Subcontractor to supply and install all contractor's furnished & installed specialties and equipment. This Subcontractor to install all contractor installed specialties and equipment. Exceptions: cameras, lighted signs, and security systems/alarms to be provided by electrical Subcontractor. Radiation Doors and Controls to be provided by others. All finished signage to be provided by this Subcontractor as well.

21. **Rock** – This Subcontractor has included a $75,000 allowance for rock delivery and placement on the project site, including geotextile, grading, and compacting, to be used at the sole discretion of the Construction Manager. Any and all remaining unused funds will be returned in full to the Construction Manager.

22. **Port-a-Johns** – This Subcontractor has included for all porta-johns for the project site, including a scaling up and back with the work force, cleaning, supplying, relocating, and removal. All port-a-johns will be cleaned and services twice a week.

23. **Project Photography** – This Subcontractor will provide professional photography services per the specifications and at the control of the Construction Manager. This will include pre- and post-site photography, all in wall and overhead MEP photography, finish condition photography, etc. This will include any videography required as per the contract documents.

24. **General Cleanup** – This Subcontractor will be responsible for general area cleanup, sweeping, and trash removal of all stair ways, common walkways, job site perimeter, job trailers, surrounding sidewalks, drives, and laydown areas, until project completion. This Subcontractor will provide at least 2 personnel daily to provide misc. site cleanup, help with site inspection and maintenance of ICRA ILSM measures and other misc. duties as may be assigned by the Construction Manager.

25. **Final cleaning** - This Subcontractor has provided for a complete and final cleaning (ServPro or Professional Cleaning Equivalent) of the entire work area prior to closeout and hand over to university personnel. Additionally, this Subcontractor will hold a $50,000 allowance to be used for emergency cleaning purposes. Should emergency cleaning be needed for any reason this Subcontractor will provide professional cleaning services on an on call basis. **All unused portions of this allowance will be returned at the Construction Manager’s discretion.**

26. **ICRA/ILSM** - This Subcontractor will carry an allowance of $50,000.00 to be used for misc. ICRA barriers or other control measures as necessary. **Unused portions of this allowance will be returned to the Construction Manager via deductive change order at their discretion.**

27. **Appropriate Common Requirements:**
a) ICRA - ILSM: This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.

b) General healthcare experience - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

END OF SPECIFIC SCOPE
UNIVERSITY OF KENTUCKY – BRACHYTHERAPY EXPANSION
UK Project No. 2457.0

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
BRACHYTHERAPY EXPANSION

Subcontract 03A – Concrete

Project No. 2457.0  Project Title: UK Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: ____________________________
(Name and Address of Bidder)
Date: ____________________________
Telephone: ____________________________

TO: BID CLERK  INVITATION TO BID: CCK-2269-18
UNIVERSITY OF KENTUCKY  BID OPENING DATES: 13 February 2018
CAPITAL CONSTRUCTION  TRADE CONTRACT DESCRIPTION:
PROCUREMENT  Concrete and Piers
RM. 322 SERVICE BUILDING  TRADE CONTRACT NO.: 03A
411 SOUTH LIMESTONE  TIME: 3:00 P.M. E.D.T.
LEXINGTON, KY 40506-0005

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. ____________________________ DATED ____________________________
ADDENDUM NO. ____________________________ DATED ____________________________
ADDENDUM NO. ____________________________ DATED ____________________________
ADDENDUM NO. ____________________________ DATED ____________________________

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY_________________________________ TITLE_____________________________________

PRINT NAME_________________________________ FIRM_____________________________________

ADDRESS_____________________________________ PHONE (___)_____________________________________

FAX (___)_____________________________________

CITY ___________________________________ STATE __________ ZIP CODE __________

DATE_____________________________________

Work Category – 03A		Page 2 of 17
Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor’s operations. The Contractor’s failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ____________________________ (USE WORDS)

_____________________________ DOLLARS AND ____________________________ CENTS. (USE WORDS) (USE WORDS)

($ ____________________________ ) (USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) ___ Small Business  (06) ___ Woman-Owned Large Business
(02) ___ Large Business  (07) ___ Disadvantaged Woman-Owned Small Business
(03) ___ Disadvantaged Small Business  (08) ___ Disadvantaged Woman-Owned Large Business
(04) ___ Disadvantaged Large Business  (09) ___ Other
(05) ___ Woman-Owned Small Business

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREBOTH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER’S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, “to the responsive and responsible bidder whose bid offers the best value” to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<tbody>
<tr>
<td>Concrete slab</td>
<td>CY</td>
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<tr>
<td>Foundation Walls</td>
<td>CY</td>
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<td>Waterproofing</td>
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<td>Housekeeping/ Equipment Pad</td>
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<td>Laborer</td>
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<td>Reinforcing Steel</td>
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<td>Formwork</td>
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<td>Concrete Pump</td>
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<td>Concrete Bucket</td>
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<tr>
<td>Rock Anchor/Micro pile</td>
<td>EA</td>
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<tr>
<td>High Density Concrete</td>
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<tr>
<td>Entrance Saw Cutting</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td>Concrete Wall Demolition</td>
<td>LF</td>
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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

_The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid._

_The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date._

Provide the address, phone number and contact information for the following subcontractor/suppliers:

<table>
<thead>
<tr>
<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>MANUFACTURER/SUPPLIER</th>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

2. Minority and Women Material Suppliers

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 03A – Concrete & Piers

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

**Unit 03A – Concrete**

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 2 - Existing Conditions
  - 024119 - Selective Demolition (as it pertains to this scope of work)
- Division 03 - Concrete
  - 033000 - Cast-in-Place Concrete
- Division 4 - Masonry
  - 042613 - Masonry Veneer
- Division 5 - Metals
  - 051000 - Structural Anchors (as it pertains to this scope of work)
- Division 7 - Thermal & Moisture Protection (as these may pertain to this scope of work)
  - 071413 - Hot Fluid Applied Rubberized Asphalt Green Roof Waterproofing
  - 071416 - Cold Fluid Applied Waterproofing
  - 071800 - Cementitious Protective Coating System
  - 072100 - Thermal Insulation
  - 072726 - Fluid applied Membrane Air Barriers
  - 075700 – Coated Foam Roofing
  - 078413 - Penetration Firestopping
  - 078443 - Joint Firestopping
  - 079200 - Joint Sealants
- Division 13 - Special Construction
  - 134900 - Radiation Protection (as it pertains to this scope of work)
- Division 31 – Earthwork
  - 316613 - Rock Anchors/Micropiles (as it pertains to this scope of work)

***Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.***

1. **Scope of Work** – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Contract Documents. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, rigging, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents.

2. **Specific Scope of Work** – This Subcontractor is responsible for the technique used to safely furnish and install all concrete walls, slabs, pads, and other work items for this scope of work. All materials are the responsibility of this Subcontractor including casings, rebar, rigs, etc. This Subcontractor shall provide the job with reliable...
drill rigs. Time lost due to inspections, breakdowns, waiting on materials, or broken/damaged equipment will be made up after normal work hours, or on weekends at the Subcontractor’s expense. This Subcontractor has studied the Geotechnical Reports and Pre-Drilling Logs and shall supply the job with the proper equipment to effectively drill though all material that could be present. This includes but is not limited to drill rigs, drill bits, and haul off equipment. This Subcontractor is responsible for procedures and recommendations set forth in the Geotechnical Report that are not specifically stated in the Specifications. This Subcontractor is responsible for a turn-key installation including the installation and purchase of concrete and rebar. This Subcontractor will generally perform but not be limited to the following work:

a) Cast in place concrete slabs  
b) Pre-cast concrete  
c) Selective Demolition  
d) Cast in place concrete walls  
e) Cast in place concrete roof slabs  
f) High density concrete  
g) Housekeeping pads  
h) Equipment pads  
i) Saw-cutting existing foundations  
j) Embedded door frames  
k) Embedded radiation shielding  
l) Waterproofing  
m) Spread footings  
n) Temporary bracing  
o) Masonry  
p) Landscaping Masonry  
q) Salvage and or disposal of existing masonry  
r) Dewatering of expansion space  
s) Engineering validation of formwork attachment to existing walls.

3. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

4. **Building Information Modeling (BIM)** – Coordination shall be 3-D VDC, based on the Whiting-Turner BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This Subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings. Subcontractor will ensure all penetrations are coordinated before placement. Improperly placed embeds or penetrations will be corrected immediately at this Subcontractor's expense overtime etc.

5. **Surveying** – This Subcontractor will provide a Surveyor registered in the State of Kentucky to provide 5 bench marks around the project site, locations as directed by the Construction Manager. This will also include maintenance and re-installation of damaged benchmarks. These bench marks will be used to establish elevations and layout for structure, exterior skin, interior layouts, etc. This Subcontractor will also provide 3 interior controls lines. Location and schedule of which will be at the Construction Manager’s discretion.

6. **Protection/Dewatering** – The Subcontractor shall coordinate and conduct concrete placement in a way that protects existing grades, subgrades, and fills from surface water and slurry run-off. All de-mucking and pumping of groundwater from caissons, if necessary, is part of this work. All pumping of water will be coordinated with the site dewatering system so as not to overwhelm, damage, or generally create new issues with this dewatering process. This Subcontractor is responsible for the proper removal and disposal of any concrete (slurry) run-off in coordination with the Construction Manager. Additionally, this Subcontractor understands that structural wall in this construction are not self-supporting until roofs have been poured. This Subcontractor has accounted for all shoring etc. to account for this support.
7. **Spoils** – This Subcontractor shall be responsible for the removal of all spoils related to this work from the site on a weekly basis, or as directed by the construction manager.

8. **Utility Locations** – This Subcontractor shall locate all existing underground utilities before disturbing any earth. Any locations within approximately 5’ of existing utilities shall be exposed by hand digging or hydro-vac, or drilling in order to accurately locate the utility, prior to the main excavation beginning. This Subcontractor will hydro-vac and locate the existing telecom duct bank when performing any work that could disturb this existing duct.

9. **Site Conditions** – All other existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.

10. **Subsurface Conditions** – A copy of a subsurface pre-drilling investigation of the site is included with the Contract Documents.

   a. This Subcontractor shall make themselves aware of all existing surface conditions, underground utilities, and existing underground conditions.

   b. This Subcontractor shall reference and make themselves aware of the Geotechnical Reports (dated 9/22/2016). All findings within these reports have been accounted for in this Subcontractor’s price and scope of work. The data contained in these reports is not intended as a representation or warranty of the continuity of such conditions. Neither the Construction manager nor the Owner will be responsible for interpretation or conclusions drawn therefrom by the Subcontractor. The Subcontractor may examine the site and make their own subsurface explorations or drill test holes at no additional cost to the Construction Manager or Owner. This Subcontractor will notify the Construction Manager prior to making any subsurface explorations.

11. **Erosion Control** – This Subcontractor is responsible for installation and maintenance of all erosion control measure as it pertains to the excavation and concrete placement of the deep foundations work. All excavation or other site disturbing processes shall be conducted so that minimal site disturbance and erosion takes place. This Contractor shall replace or repair any erosion control systems damaged or removed as a result of this scope of work.

12. **Overtime Work** – The Subcontractor shall perform all work within the time frames established in the Construction Schedule. The Subcontractor shall submit a plan to the Contractor before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat the schedule, along with the included number of rigs, number of days and hours per week with detail. This Subcontractor will perform any and all overtime or provide additional labor to ensure expansion area concrete pours and waterproofing remain on or ahead of schedule.

13. **Selective Demolition** - This Subcontractor has accounted for demolition of existing basement rooms and walls as shown on the contract documents. Additionally, this subcontractor has accounted for temporary sealing and waterproofing of one existing entrance in foundation as will be required during selective demolition to protect existing building. This Subcontractor will also account for concrete demolition as may be required by other trades on Civil, Structural, Architectural, Mechanical, HVAC, Electrical, Plumbing, and Fire Suppression Drawings. This selective demolition may include but not be limited to saw cutting, patching, coring, etc. All concrete demolition is assumed to be the scope of this Subcontractor including haul off disposal etc.
Cast-In-Place Concrete

1. **Specific Items** – This scope will include all cast-in-place concrete work for the walls and slabs, equipment housekeeping pads, curbs, embedded frames, radiation shielding, rock anchors and micropiles, sawcutting, etc. This subcontractor will provide flowable fill were necessary for soil stabilization, duct banks, and as required. This subcontractor is also aware that this site is extremely constrained and stick building of forms may be required. This subcontractor has accounted for all possible cost and overtime to achieve this method of construction.

2. **Formwork** – This Subcontractor shall provide concrete formwork systems consisting of plywood, metal, fiberglass, or combination thereof and all related materials and accessories required for a complete concrete formwork system, inclusive of all shop drawings and engineering as required per the Contract Documents. Formwork accessories that are embedded in concrete, including ties and hangers, shall be commercially manufactured products. Do not use non-fabricated wire form ties.

3. **Engineering** – This Subcontractor shall be responsible for complete engineering and design of the concrete formwork, concrete reinforcing steel, and pre-cast concrete connections to CIP concrete. A professional engineer registered in the State of Kentucky shall stamp all shop drawings or as required by the Contract Documents.

4. **Layout** – The Subcontractor shall be responsible for the accurate layout of all formwork and any other work included in this scope. This Subcontractor shall set 1 leveling nut at each column to elevation for structural steel contractor (if required).

5. **Concrete** – This Subcontractor shall provide all concrete material. This Subcontractor shall also include all equipment and labor to pump the concrete into place including associated clean up. This includes a minimum of one man per truck when conducting pours. This Subcontractor shall coordinate with the Owner’s testing agency as required per the Specifications; this includes but is not limited to: providing proper cylinders and test boxes per applicable ASTM sections. In the event that a test should fail, this Subcontractor shall either remove and replace the represented work, or repair the represented area as directed by the Structural Engineer and Architect. All cost associated with additional testing and rework shall be the responsibility of this Subcontractor.

6. **Reinforcing Steel** – The Subcontractor shall furnish and install all reinforcing steel according to contract documents. All materials needed to complete the installation of the reinforcing steel shall be the responsibility of this Subcontractor. This will include, but not be limited to, support chairs, reinforcing safety caps, and tie wire. All remedial work and costs caused by failed tests are the responsibility of this Subcontractor.

7. **Embeds** – This Subcontractor shall install all inserts, anchors, sleeves, anchor bolts and embedded miscellaneous metal items. Mechanical or electrical sleeves, conduits, electrical boxes, etc. shall be furnished by others. The Concrete Subcontractor shall build boxes required for mechanical openings as shown on Contract Documents. This Subcontractor shall schedule placing of all concrete and will give ample notice and the opportunity to inspect embed placement and work related to concrete before concrete is placed. This subcontractor is responsible for removing all nails or other attachments from embeds when wrecking formwork. This Subcontractor has specifically accounted for embedded door frames as may be required for vault doors etc.

8. **Anchorage for Embedded Items** – This Subcontractor shall set and build into formwork anchorage devices and other embedded items required for other work that is attached to or supported by cast-in-place concrete.

9. **Receiving Material Provided by Others** – This Subcontractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to: all embeds. Any repair or replacement due to: failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.
10. **Openings in Formwork for Other Trades** – This Subcontractor will provide openings in formwork to accommodate work for other trades. Determine size and location of openings and recesses from Subcontractors providing such items. Accurately place and support items built into forms. This Subcontractor must obtain written approval from the Construction Manager for openings not shown on the drawings.

11. **Concrete Pours** – This Subcontractor shall notify the Construction Manager’s project Superintendent a minimum of 72 hours prior to any pour.

12. **Placement** – This Subcontractor shall furnish all labor, materials, tools, and requirement to transport the concrete materials to the point of placement; i.e., concrete pumps, crane buckets, wheel barrows, buggies, etc.

13. **Vault Concrete Pours** - protective concrete vault pours will be considered a critical event for this project. This Subcontractor will have additional resources available to ensure that should equipment fail backups are provided for all concrete trucks, personnel etc. that may immediately brought to remedy such failures and ensure successful pours during these critical phases. Plans to be confirmed with CM prior to executing critical concrete placements. **These critical pours as well as the rest of this work scope may be required to be off hour off shift per requirements of this scope.**

14. **Manpower at Truck** – This Subcontractor shall provide the necessary manpower required at the concrete pump and/or truck to coordinate the location of concrete trucks at the concrete pump and operation of the concrete chute.

15. **Pre-cast** - All precast concrete is the responsibility of this Subcontractor as called for on the contract documents.

16. **Cold or Hot Weather Considerations** – This Subcontractor shall provide any requirements and provisions to accommodate hot or cold weather placement of the concrete within this Scope of Work.

17. **Horizontal Concrete** – Fine grading will be the responsibility of this Subcontractor. Vapor barrier, wire mesh, chairs, GAB, control & expansion joints, and curing materials are all to be supplied and installed by this Subcontractor. The Subcontractor shall be responsible for furnishing, placing and finishing all horizontal concrete including, but not limited to, the following:
   a. Slabs, both regular and high density
   b. Housekeeping pads
   c. Equipment curbs
   d. Sawcutting and pour backs required by mechanical, electrical, plumbing, architectural drawings in the renovated space.

18. **Vertical Concrete** – The Subcontractor shall be responsible for all walls, piers, and accessories including but not limited to: formwork, reinforcement, key ways, water stops, etc.
   a. Wall, both regular and high density
   b. Entrance saw cutting
   c. Intake risers
   d. Landscaping retention walls
   e. Planter boxes (either pre-cast of CiP)

19. **Finishes** – The Subcontractor shall be responsible for maintaining finishing tolerances per Specifications including exposed to structure and trowel finishes. Float finishes – see specification, also consolidate concrete surface by hand-floating if area is small or inaccessible to power units. Surfaces should be uniformly sloped toward drains where applicable. Surface should be a uniform, smooth, granular texture. Waterproofing Finish - finish of surfaces to receive waterproofing will comply with preparation standards set forth in the applicable Specification or comply with manufacturers’ specified instructions for application by product type.

20. **Curing** – The Subcontractor shall provide curing as laid out in the specifications for each type of concrete work performed in this scope.
21. **Sawcutting** – Sawcutting required to perform this scope of work shall be the responsibility of this Subcontractor. Construction joints shall be made according to the construction documents. This Subcontractor shall ensure that the work area shall remain clean of dust, concrete waste, excess water, and any other debris caused by the saw cutting process.

22. **Task Lighting** – Any task lighting required to ensure adequate working conditions is the responsibility of this Subcontractor. This includes the lights stands, lights, generators, power cords, and any other equipment to operate the lights.

23. **Project Power** – This Subcontractor will be responsible for any and all power requirements to complete this scope of work.

24. **Door Frames** – Installation of door frames in concrete thoroughfares will be coordinated with 09A Subcontractor. This Subcontractor will ensure proper cut for fit of frames in opening provided.

25. **Perimeter Safety Rails** – This Subcontractor shall furnish, install, and maintain perimeter safety rails at the transitions of slab elevation changes, all pits and hole covers until the completion of this scope of work. Safety cables, wood rails, stands, and turnbuckles are the responsibility of this subcontractor. Safety cables and associated accessories will remain the Construction Managers possession.

26. **Truck** – Subcontractor is aware of the constricted area, and that trucks will not be permitted to park in construction zone, unless dispensing concrete.

27. **Masonry** – This Subcontractor will provide a complete turn key masonry package. This includes, but is not limited to, all air and vapor barrier systems, insulation, tie backs, masonry, block, pavers, sand, mortar, sealants, lintels, support angle, through wall flashing, termination bars, flashing membranes, stainless steel or aluminum flashings, openings, block outs, bracing, scaffolding, mix stations, tenting, cold weather protection, temp heating for cold weather protection, hoisting, accessories, fasteners, cleanup, etc. necessary for a complete turn key masonry package. All other masonry to be performed by Subcontractor responsible for Landscaping.

28. **Existing Structures** – The Subcontractor shall make complete examination and survey of all existing adjacent structures, and roadways to determine all information necessary to design and erect the concrete formwork. This Subcontractor shall be responsible for repairing any damage to existing structures or roadways that result from executing this Scope of Work.

29. **Protection** – Protect freshly placed concrete from premature drying and excessive cold or hot temperatures per the Contract Documents.

30. **Concrete Washout** – This Subcontractor is responsible for providing or building a concrete washout station, including regular maintenance and cleanout. This includes the removal there of once this scope of work has been completed.

31. **Waterproofing** – This Subcontractor will provide a complete turn key waterproofing package. This includes, but is not limited to, all waterproofing membranes, drainage boards, ridged insulations, cover boards, expansion joints & covers, filter fabrics, sealants, expansion bar, expansion joints, expansion joint covers, flashing membranes, stainless steel or aluminum flashings, testing, patching, etc. necessary for a complete turn key water tight waterproofing package. This Subcontractor is also responsible for all necessary surface preparation including bridging, filling, flashing, shot blasting, pressure washing, etc. as necessary for a properly installed and warranted waterproofing system. This Subcontractor will also be responsible for all interface, tie-ins, and bridging to existing adjacent building waterproofing systems in order to maintain a full warranty as described in the Contract Documents.

32. **Waterproofing Testing** – This Subcontractor has included all testing for installed waterproofing systems prior to turn over to the Construction Manager for following work. This includes proof, and documentation of a completed and operational EFVM system. Once back fill operations have been completed, this Subcontractor
will conduct a follow up test of the EFVM system to verify all is still functioning, operational, and with no leaks.

33. **Waterproofing Patching** – This Subcontractor has included a $20,000 waterproofing patching allowance, to be used as directed by the Construction Manager. Any unused portions thereof will be returned to the Construction Manager at their discretion.

34. **Misc. Carpentry** – This Subcontractor will provide 2 carpenters, for a total of 500 man hours, and 2 apprentices, for a total of 500 man hours, to the Construction Manager to use at their discretion. This Subcontractor has included an allowance of $35,000 for misc. materials, lumber, tools, etc. Any unused portion of carpenter hours, labor hours, or material allowance will be returned to the Construction Manager as a deductive credit at any time as designated by the Construction Manager.

35. **Misc. Signage** - This Subcontractor will provide a $5,000 allowance to the Construction Manager for the installation, and removal and return to normal condition of signage as may be required during the course of this project. Any unused portion of carpenter hours, labor hours, or material allowance will be returned to the Construction Manager as a deductive credit at any time as designated by the Construction Manager.

36. **Caulking** – All concrete and masonry joints/caulking where applicable will be caulked by this Subcontractor.

37. **Traffic Control** – This Subcontractor will provide a flag man with stop sign to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that functioning major college campus and work will be ongoing during peak activities. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed business environment for the University, which includes but is not limited to: cleanup of all vehicle debris, mud,

38. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

39. **Experience Requirements** - This Subcontractor in bidding this scope of work understands that they must provide upon review of bid at least 3 years of previous experience with work of this type and magnitude. Including at least 1 project in the last five years requiring use of high density concrete work. Additionally, experience of at least 3 years in the last five on construction projects in healthcare must also be provided. Rejection of bid may be made solely on the basis of experience.

40. **Appropriate Common Requirements:**
   a) **Off Hours Work** - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/ weekends/ etc. All Subcontractors will account for this work for any and all of their scopes.
   b) **ICRA - ILSM:** This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.
   c) **Badging Identification** - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.
   d) **General healthcare experience** - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

**END OF SPECIFIC SCOPE**
UNIVERSITY OF KENTUCKY – BRACHYTHERAPY EXPANSION
UK Project No. 2457.0

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
BRACHYTHERAPY EXPANSION

Subcontract 08A – Doors & Hardware

Project No. 2457.0 Project Title: Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Date: ______________________

Telephone: ______________________

TO: BID CLERK

INVITATION TO BID: CCK-2269-18

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

BID OPENING DATES: 13 February 2018

TRADE CONTRACT DESCRIPTION: Doors & Hardware

TRADE CONTRACT NO.: 08A

TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. DATED
ADDENDUM NO. DATED
ADDENDUM NO. DATED

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2188-17 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY_____________________________ TITLE_____________________________
PRINT NAME_________________________ FIRM_____________________________
ADDRESS____________________________ PHONE (____)_____________________
                                      FAX (____)_____________________
CITY_________________STATE_________ZIP CODE_______________DATE__________
Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor’s operations. The Contractor’s failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ________________________________

(USE WORDS)

_________________ DOLLARS AND __________________ CENTS.

(USE WORDS) (USE WORDS)

($ __________________)

(USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) Small Business  (06) Woman-Owned Large Business
(02) Large Business  (07) Disadvantaged Woman-Owned Small Business
(03) Disadvantaged Small Business  (08) Disadvantaged Woman-Owned Large Business
(04) Disadvantaged Large Business  (09) Other
(05) Woman-Owned Small Business

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

__________________________________________
(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

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<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<tbody>
<tr>
<td>HMF</td>
<td>EA</td>
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<tr>
<td>Wood Door</td>
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<td>Metal Door</td>
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<tr>
<td>Door Hardware - Non-Electrified</td>
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<td>Door Hardware - Electrified</td>
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<td>HMF - Fire-Rated</td>
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<td>Wood Door - Fire-Rated</td>
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<td>Metal Door - Fire-Rated</td>
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<td>HMF - Double-Door</td>
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<td>Wood Door - Double Door</td>
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<td>Metal Door Double Door</td>
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<tr>
<td>Carpenter</td>
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<tr>
<td>Foreman</td>
<td>HR</td>
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*All doors listed above are fully installed
PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

*The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.*

*The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.*

Provide the address, phone number and contact information for the following subcontractor/suppliers:

<table>
<thead>
<tr>
<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

*The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.*

*The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.*

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<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>MANUFACTURER/SUPPLIER</th>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 08A Doors & Hardware

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit 08A – Doors & Hardware

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 7 – Thermal & Moisture Protections
  - 079200 - Joint Sealants (as it pertains to this scope)
- Division 8 – Openings
  - 081213 – Hollow Metal Frames
  - 081416 – Flush Wood Doors
  - 087100 – Door Hardware
  - 088000 – Glazing (as it pertains to this scope)
  - 088813 – Fire-Resistant Glazing (as it pertains to this scope)
- Division 13 - Special Construction
  - 134900 - Radiation Protection (as it pertains to this scope)

***Note: The listing of the specifications sections does not relieve the Subcontractor of the responsibility to review all specifications and to include all applicable work as it relates to this scope.

1. **Scope of Work** – It is the intent for this project that the Doors, Frames, and Hardware Subcontractor supply, prep, assemble, and install all materials as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall provide 100% supervision, labor, materials, equipment, tools, appliances, warranties and guarantees, and everything necessary to completely detail, fabricate, tag, deliver F.O.B. to jobsite, prep, assemble, and install all of the required hollow metal doors and frames, wood doors, frames, and finish hardware in full compliance with the Contract Documents.

2. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents

3. **Scope By Others** – Installation of all door frames will be by others. Subcontractor to verify installed frames to be plumb and level two weeks prior to mobilization or installation of doors and hardware.

4. **Linear Vault Sliding Door (CC088)** – Custom Radiation Shielding Door and all vault hardware to be furnished and installed by this Subcontractor.

5. **CT/SIM Vault (N61C)** - Custom Radiation Shielding Door and all vault hardware to be furnished and installed by this Subcontractor.

6. **Hot Lab Door (CC080)** – This Subcontractors shall furnish and install CC080 as shown on sheet A-555. Lead radiation shielding to be coordinated, furnished, and or installed by this Subcontractor.
7. **Staff Lockers (CC023A)** – Staff lockers to be furnished and installed by others.

8. **Door Schedule** – This Subcontractor is responsible for all information shown on sheet A-601 including door schedule, door schedule remarks, windows schedule, glazing schedule, general notes, ANSI door hardware locations, door closer locations, etc.

9. **Windows** – This Subcontractor has accounted for complete and total turn key installation of windows as specified in the contract documents. This will included caulking, cleaning, glazing, etc.

10. **Blocking** – This Subcontractor will provide blocking drawings, complete with top & bottom elevations and wall layout dimensions, which are pertinent to this work, to the Construction Manager in advance of the framing installation. In-wall blocking will be installed by others. Any blocking that is missed as a result of this Subcontractor’s incomplete or undelivered blocking drawings will be the sole responsibility of this Subcontractor.

11. **Preparation** – This Subcontractor shall properly detail, fabricate, tag, furnish, and deliver the hollow metal & wood doors and frames as detailed in the Contract Documents.

12. **Wall Types** – It is this Subcontractor’s responsibility to review all wall sections and interior partition types to assure correct frame jamb depth is fabricated for door frames.

13. **Field Verify** – It is this Subcontractor’s responsibility to field verify existing wall thickness and coordinate new frame throat dimension to match/accommodate for Door No. CC002, CC012C, CC014, and CC025. Reference door schedule remarks on A-601.

14. **Fabrication** – This Subcontractor agrees to fabricate all doors and frames utilizing the approved hardware schedule and templates as provided in the Contract Documents and as approved by the Architect. All frames and doors are to be assembled off site so that they are delivered to the jobsite “pre-fabricated” and assembled, ready for installation.

15. **Labeling** – This Subcontractor shall provide fire-rated doors, frames, and hardware with permanently affixed labels at all rated openings. This Subcontractor shall also be responsible for compliance with all code requirements (local, state, and federal), NFPA Standards, and U.L. rating requirements related to this scope of work. Advise Construction Manager of any building code violations Subcontractor is knowledgeable of and shall be responsible for all costs associated with such labels being inadequate or improper for the usage intended.

16. **Astragals & Sweeps** – This Subcontractor agrees to furnish and install all necessary astragals at pairs of doors and sweeps as required in the Contract Documents.

17. **Sealant** – This Subcontractor agrees to apply sealant on all sides of the frame, surrounding wall construction, at joints with new floorings, etc. Reference sheet A-601.

18. **Grout** – This Subcontractor agrees to spot grout new hollow metal frames in gypsum board wall construction.

19. **Wood Doors** – This Subcontractor shall promptly detail, fabricate, finish, tag, deliver F.O.B. to jobsite, prep, assemble, and install all wood doors as required and indicated on the Contract Documents.

20. **Metal Doors** – This Subcontractor shall promptly detail, fabricate, finish, tag, deliver F.O.B. to jobsite, prep, assemble, and install all metal doors including lead lined as required and indicated on the Contract Documents.

21. **Door Veneer Samples** – This Subcontractor shall provide samples for each species of veneer and solid lumber required for verification. The species, cut and stain of all new interior wood doors shall match the existing wood doors of the Radiation Medicine Suite. This Subcontractor shall also provide one full door mockup prior to ordering, fabricating, and installing project doors.
22. **Temporary Doors and Hardware** – This Subcontractor shall provide, prep, assemble, install, and remove temporary doors and hardware for all exterior doors, electrical and mechanical rooms, hardware and restrooms for use during construction, at the direction of the Construction Manager. In addition to these, this Subcontractor will provide, prep, assemble, install, and remove an additional 15 temporary doors, and associated hardware, to be located and directed by the Construction Manager. All temporary doors will be installed with a temporary unique construction core with 30 keys, keys to be turned over to the Construction Manager. Temporary glass storefront doors will be by others.

23. **Hardware** – This Subcontractor shall properly detail, fabricate, tag, furnish, deliver, and install the finish hardware for the Project as required and indicted on the Contract Documents including but not limited to: electrified hinges/locks, ADA/handicap push buttons & stanchions, door position switches, power supplies, automatic door operators, mag locks, etc. or as otherwise noted in the Contract Documents. All hardware will be catalogued and confirmed as delivered, and turned over to the electrician for installation. This Subcontractor will provide a manifest of delivered materials, inspect for conformation and provide to the electrician for signature and record. All doors with electrified strikes will be delivered to the site with a wiring pig tail wired in installed through the door, ready for final connection by others. All door side wiring will be by others. All new hardware finish shall match the ‘Rose’ colored finish of the existing Radiation Medicine Suite.

24. **Door Glazing Stops** – This Subcontractor shall ensure that the wood stops for wood doors, and the stops for metal doors, are delivered intact with the doors that they are scheduled to go in. The doors and hardware installer shall not remove the doors stops during door installation, and the glass and glazing contractor shall be responsible of for the stops once they remove the stops for glass installation.

25. **Delivery** – This Subcontractor shall have a representative on site for receiving and logging in all frames, wood doors, hollow metal doors, and finish hardware as it is delivered. The Subcontractor’s monthly Pay Application shall be based on delivery tickets signed by the Construction Manager for any given month. All deliveries must be coordinated with the Construction Manager, and are to be made in accordance with the scheduled sequence of work. Out of sequence delivers will not be accepted.

26. **Receive and Inventory Materials** – This Subcontractor is responsible for receiving, creating inventory, and storing all doors, hardware, and accessories that are required to be installed by this Scope of Work. This Subcontractor will notify the Construction Manager within 3 days of receipt of inventory of any missing, damaged, or incorrect item as listed in the Contract Documents.

27. **Shop Drawings and Coordination** - This Subcontractor shall provide all of the required coordination between the approved hardware shop drawings and the preparation and fabrication of the doors and frames. This includes coordinating all frames with wall thicknesses. This Subcontractor shall correct all miss-fabricated doors or frames in the field as required by the Construction Manager. This Subcontractor will be responsible for the reproduction of all shop drawings and other submittals including the cost thereof. This includes "field use" shop drawings which are to be sent to the jobsite immediately after shop drawings have been approved.

28. **Submittals** – This Subcontractor shall submit a complete hardware schedule cross referencing all drawings, specifications, and the door/hardware schedule to ensure there are no gaps in this scope of work, including sending hardware templates to door manufacturers. All other submittals required by the contract document shall be the responsibility of the Subcontractor.

29. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

30. **Transport of Doors and Hardware** – This Subcontractor shall be responsible for relocating all doors and hardware from the door and hardware room to the final installation location. All labor and cost associated with this work shall be this Subcontractors responsibility.
31. **Preparation** - This Subcontractor shall install the hollow metal doors, wood doors, and hardware as required and indicated on the Contract Documents. Any minor adjustments required to provide a fully operational door, frame, and hardware assembly shall be included in this Subcontractor's scope of work. In addition, this Subcontractor shall inspect substrate and other condition to ensure suitability for installation of doors. Commencement of this work constitutes acceptance of such conditions.

32. **Existing Doors & Frames** – Door No. CC00B, CC00U, CC004, CC007, CC009, & N63-A are shown on the door schedule as existing. This Subcontractor is responsible for all door schedule remarks as it relates to the existing doors listed above. This Subcontractor also agrees to furnish and install new door and hardware, in existing-to-remain door frames (Door No. CC004, CC007, CC009, & N63-A). Coordinate the new door prep with the existing-to-remain frame prep. Field verify new door size to match existing frame size prior to door shop drawings/fabrications. Reference sheet A-601. This Subcontractor will account for possible removal, storage, protection, and reinstallation of these doors.

33. **Adjusting** – This Subcontractor shall provide all lubrication, adjustment, cleaning, and instruction related to their scope of work. This Subcontractor shall be responsible for all final adjustment of the doors and hardware after final building Test & Balance has been taken place. This Subcontractor has included all necessary mobilizations to accomplish these adjustments.

34. **Wiring** – This Subcontractor will deliver all doors with electrified strikes pre-wired and a pig tail hanging from the hinge side for connection by others. All other door frame side wiring will be by others. Coordinate with electrical contractor to ensure that provisions are compatible with electrically operated hardware components.

35. **Access Control** – Coordination with access control documents and security contractor is required by the Subcontractor. This Subcontractor will assist and provide coordination as needed/directed with WT and security contractors during installation of electrified door hardware.

36. **Necessary items for Completion** - This Subcontractor agrees that the intent of this Subcontract is to provide all items necessary for a complete and total job. Items such as but not limited to: wall bumpers, extra silencers (+15% of job), weather stripping, thresholds, anchors, fasteners, adhesives, bolts, shims, and related items are the responsibility of this Subcontractor whether or not they are specifically called for in the Contract Documents. They are to be furnished by the Subcontractor at no additional cost if necessary to provide a complete and total job, including compliance with requirements of applicable codes and governing authorities.

37. **Temporary Protection** – This Subcontractor shall be responsible for installing the doors while maintaining the temporary protection provided by the door manufacturer.

38. **Cleanup** – This Subcontractor shall be responsible for daily cleanup of debris which results from their scope of work. This shall include, but not be limited to, final cleaning of the doors and hardware.

39. **Damaged Products** – It shall be the responsibility of this Subcontractor to notify the Construction Manager of any materials that are damaged during the processes of construction. This Subcontractor shall be responsible for all minor touch up associated with this scope of work.

40. **Deliveries** - This Subcontractor shall deliver and receive all materials in this scope of work the times and sequences necessary to meet the schedule and as directed by the Construction Manager. This Subcontractor shall be responsible for the coordination of all deliveries and unloading with the Construction Manager.

41. **Final Keying** – This Subcontractor will provide and install all final keying for this work, including all required submittals and the Owner keying conference to map out degree of security as noted in the Contract Documents. Ship key blanks directly to UK Healthcare, Office of Facilities, Planning and Development. UK Healthcare will deliver them to the UK Key shop for key cutting services.

42. **Traffic Control** – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing...
operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

43. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

44. **Repair Allowance** – This Subcontractor has included a $15,000 allowance for door repairs and AHJ inspection items. This allowance will be used as directed by the Construction Manager in writing, and any unused portion thereof shall be returned to the Construction Manager at their discretion.

42. **Appropriate Common Requirements:**

a) **Off Hours Work** - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/weekends/etc. All Subcontractors will account for this work for any and all of their scopes.

b) **ICRA - ILSM:** This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.

c) **Badging Identification** - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.

d) **General healthcare experience** - This Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

**END OF SPECIFIC SCOPE**
NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: ________________________________

Date: ________________________________

Telephone: ________________________________

TO: BID CLERK

INVITATION TO BID: CCK-2269-18

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

BID OPENING DATES: 13 February 2018
TRADE CONTRACT DESCRIPTION: _______
Drywall, Ceilings, CFMF & Wall Panels
TRADE CONTRACT NO.: 09A
TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. ________________ DATED ________________
ADDENDUM NO. ________________ DATED ________________
ADDENDUM NO. ________________ DATED ________________

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2188-17 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY_________________________________________ TITLE______________________________

PRINT NAME_______________________________________ FIRM______________________________

ADDRESS__________________________________________ PHONE (____)_____________________

FAX (____)________________________________________

CITY________ STATE________ ZIP CODE________ DATE______________________________
Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor’s operations. The Contractor’s failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ________________________________

________________________ DOLLARS AND __________________CENTS.

(USE WORDS) (USE WORDS)

($____________________) (USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) ___ Small Business          (06) ___ Woman-Owned Large Business
(02) ___ Large Business          (07) ___ Disadvantaged Woman-Owned Small Business
(03) ___ Disadvantaged Small Business          (08) ___ Disadvantaged Woman-Owned Large Business
(04) ___ Disadvantaged Large Business          (09) ___ Other
(05) ___ Woman-Owned Small Business

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER’S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, “to the responsive and responsible bidder whose bid offers the best value” to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<tbody>
<tr>
<td>Full Height Wall - Installed/Finished</td>
<td>SF</td>
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<tr>
<td>Fire-Rated Full Height Wall - Installed/Finished</td>
<td>SF</td>
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<tr>
<td>Carpenter</td>
<td>HR</td>
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<td>Apprentice</td>
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<td>ACT Ceiling</td>
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<td>Specialty Ceiling</td>
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<tr>
<td>Access Panel</td>
<td>EA</td>
<td></td>
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<tr>
<td>Expansion Joint</td>
<td>LF</td>
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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following subcontractor/suppliers:

<table>
<thead>
<tr>
<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer’s or dealer’s name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

*The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.*

*The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.*

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>MANUFACTURER/SUPPLIER</th>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 09A – Drywall, Ceilings, CFMF & Wall Panels

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit 09A – Drywall, Ceilings, CFMF & Wall Panels

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 2 - Existing Conditions
  - 024119 - Selective Demolition
- Division 5 - Metals
  - 055000 - Metal Fabrications
- Division 6 - Wood Plastics and Composites
  - 061053 - Miscellaneous Rough Carpentry
  - 060660 - Translucent Resin Panel System
  - 064023 - Interior Architectural Woodwork
  - 066116 - Solid Surfacing Fabrications
- Division 7 – Thermal & Moisture Protection
  - 078413 – Penetration Firestopping
- Division 9 - Finishes
  - 092116.23 - Gypsum Board Shaft Wall Assemblies
  - 092216 - Non-Structural Metal Framing
  - 092900 - Gypsum Board
  - 093013 - Ceramic Tiling (as it pertains to this scope of work)
  - 093023 - Glass Mosaic Tiling (as it pertains to this scope of work)
  - 095113 - Acoustical Panel Ceilings
- Division 10 - Specialties
  - 101419 - Dimensional Letter Signage
  - 101423.13 - Room-Identification Signage
  - 102600 - Wall Protection
  - 102800 - Toilet, Bath, and Laundry Accessories
- Division 13 - Special Construction
  - 134900 - Radiation Protection (as it pertains to this scope of work)
- Division 14 - Conveying Equipment

***Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.

1. Scope of Work - The Drywall Systems and Acoustical Ceilings Subcontractor shall perform all the work as scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to install the drywall and framing systems and acoustical ceilings will be the responsibility of this Subcontractor. The techniques established shall allow for all requirements set forth in the Contract Documents. This Subcontractor will furnish 100% supervision, labor, material, hoisting, rigging, equipment, tools, appliances, warranties, guarantees, shop drawings for all drywall, framing, sheathing, rough carpentry, and acoustical systems -
including thermal insulation, gypsum ceilings, acoustical ceilings, lobby ceiling system, GFRG covers, lab metal ceilings, sound insulation, all interior cold formed metal framing and bracing, acoustic wall panels, and sheathing as required for this unit of work. This Subcontractor will also provide for substrates for other trades, interior metal bracing, wood blocking, suspension and support systems for feature ceilings, and any other related materials, as well as for the installation of access panels (access panels provided by others); all to be in full compliance with the Contract Documents.

2. It is the intent that this Subcontractor will perform all work as specified in the contract documents that including but not limited to:
   2.1. Cold formed metal framing
   2.2. Drywall
   2.3. Acoustical Ceilings
   2.4. Insulation
   2.5. Ceiling and wall touchup
   2.6. Patching sanding finishing
   2.7. Wall panels
   2.8. Door frame installation including frames in concrete walls
   2.9. Dumbwaiter modifications
   2.10. Wall mounted accessories and protection
   2.11. Blocking
   2.12. Corner Guards
   2.13. Bathroom Partitions

3. **Coordination** – This Subcontractor acknowledges that portions of this scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing as required. All deliveries must be coordinated with the Construction Manager.

4. **Building Information Modeling (BIM)** – Coordination shall be 3-D VDC, based on the Whiting-Turner BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings. Additionally, this Subcontractor will perform at own expense and overtime penetrations through work performed by this Subcontractor that were not properly BIM coordinated. Proper coordination to be confirmed through CM prior to performing work.

5. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

6. **Selective Demolition** - This Subcontractor will perform any and all selective demolition as called for in the contract documents. This will include but not be limited to nonstructural metal framed wall demolition, drywall demolition, gypsum board demolition, ceiling demolition all types, bathroom fixture demolition, wall protection demolition, wall furnishings demolition, signage demolition etc. This will include all haul off, disposal etc.

7. **Mockup** – This Subcontractor has included the installation and removal of all demising walls and ceiling necessary for the casework mockups. This will be a floor to deck wall, with sections of ceiling to run over the mockup space to show a representation of the casework layout and connections between the walls and ceilings. This Subcontractor has included any necessary mobilizations to install and come back to remove this work. Location to be dictated by the Construction Manager.

8. **Finish** – This Subcontract shall provide the gypsum board finish level in accordance with the Contract Documents. The finished drywall shall be plumb, level and true to line, and must have a smooth and unblemished finish ready for the application of surface treatments by others. This Subcontractor understands that the exposed elements of work performed under this subcontract are an integral part of the finished product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with the...
approval of the Construction Manager and the Architect. This Subcontractor will wipe-down all walls after completion of finishing prior to prime painting of walls (painting by others) to remove any drywall paper raised from the sanding process.

9. **Patching** – This Subcontractor understands that a nominal amount of repairs and patching to the work will be required as a normal facet of construction work and agrees that all costs associated with this repair are included in the contract amount. All repairs not considered normal must be reported in writing and be approved by the Construction Manager prior to the repair work being performed, except on an emergency basis. This Subcontractor shall include an additional 100 hours of patching as an allowance as part of this Bid. Any and all portions of the unused allowance will be returned to the Construction Manager at their discretion.

10. **Ceilings** – This Subcontractor understands that the suspension system for drywall ceilings, soffits, light covers, acoustical, and feature ceilings shall be installed not only to carry the loads of the ceilings, but also the superimposed loads of light fixtures, grills and diffusers, and other similar items installed in the ceiling. This work shall be coordinated with other trades to provide required cut-outs and supplemental supports as required for a complete system. All related accessories and trim materials shall be furnished and installed by this Subcontractor. This Subcontractor will provide and install all ceilings shown in the drawings.

11. **Ceiling Touchup** – This Subcontractor will provide all necessary ceiling tile cuts, touchup, edge painting, edge cuts, etc. as necessary to provide a complete finished ceiling system.

12. **Caulking** – This Subcontractor shall provide all acoustical caulking and fire resistive joint sealants at floors and structure at all walls.

13. **Expansion & Control Joints** – This Subcontractor shall be responsible for furnishing and installing all expansion and control joints associated with this scope of work whether shown or not in the Contract Documents, specifically along walls and ceilings, in accordance with the specifications and or the USG requirements. Flooring expansion joints will be provided by others.

14. **Elevator/ Dumbwaiter Door Smoke Containment Systems** – This Subcontractor will provide and install all elevator/ Dumbwaiter door smoke and containment systems as noted in the Contract Documents. This includes all bracing, sealing, soffits, pockets, housings, motors, pulleys, curtains, tracks, brackets, accessories, testing, maintenance, training, submittals, etc. necessary for a complete installed smoke containment system.

15. **Interior Cold Formed Metal Framing (CFMF)** – This Subcontractor shall provide and install all interior CFMF associated with interior curtain wall supports, interior stone, interior metal panels, and any other finish system that is not a part of this unit of work.

16. **Sequencing** – This Subcontractor agrees to attend a preconstruction meeting with the painting contractor to review the procedures for the finishing, priming, pointing, and final painting work. The following procedure will be used:
   a) Drywall Subcontractor will complete final sanding of drywall.
   b) Painter to apply the prime coat.
   c) Whiting-Turner, drywall, & painting Subcontractors to walk entire area and review drywall quality. Imperfections will be identified by circling with pencil.
   d) Drywall Subcontractor will repair all circled imperfections.
   e) Painter will proceed with application of first coat.
   f) Items c and d will be repeated, correcting any remaining imperfections.
   g) Balance of work completed, i.e. millwork, flooring, hardware, etc.
   h) Painter will complete final coat(s).
17. **Blocking** – This Subcontractor shall be responsible for furnishing and installing all in-wall blocking to support the intended loads as detailed in the Contract Documents. This includes, but is not limited to, all bathroom accessories, marker and display boards, millwork, casework, fire doors, sliding doors, handrails, flat panel monitors, shelving, window blinds, wall bumper guards, all Owner supplied & installed equipment, etc.; all to be in strict accordance with the Contract Documents, including any required fire retardant wood blocking. This Subcontractor will be provided plans for blocking. The intent is that if the Contract Drawings show blocking for fit out, this Subcontractor will provide and install it. Unless otherwise noted in the Contract Documents, this Subcontractor will provide metal strap or wood blocking as may be required by the contract documents. Layout and dimensions assistance may come from others but this Subcontractor will coordinate with the Construction Manager and other Subcontractors to install all wood blocking as indicated in the Contract Documents.

18. **Wood** – This Subcontractor has included all pressure treated wood as called for in the Contract Documents when related to a drywall detail. Specifically including ceiling features, interior stone, interior glass, and any other interior feature requiring wood blocking.

19. **Fire-Safing/Fire-Stopping** – This Subcontractor shall be responsible for furnishing and installing all fire-safing/fire stopping as required by the Contract Documents for this scope of work. Fire-Safing / Fire-Stop shall be by others for all penetrations made by others for piping, ductwork, etc.

20. **Insulation** – This Subcontractor shall furnish and install all in wall or above ceiling loose fill and rigid insulation whether for sound or temperature insulation. This includes all insulation required in soffits as well as above any ceilings and in walls as called out on the Contract Documents. This Subcontractor will provide and install all spray applied, noise & vibration reducing, ceiling fiberglass fiber reinforced wall & ceiling surfacing systems as indicated in the Contract Documents.

21. **Rough Carpentry and Sheathing** – This Subcontractor is responsible for all rough carpentry and sheathing as detailed in the Contract Documents.

22. **Hollow Metal Door Frames in GWB** – This subcontractor shall furnish and install hollow metal door frames in GWB. **This Subcontractor will install and grout all door frames in concrete walls.**

23. **Receiving Material Provided by Others** – This contractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to: all door frames & access panels. Any repair or replacement due to: failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.

24. **Bathroom Partitions** – Where required by contract documents this Subcontractor will furnish and provide complete and turn-key install of bathroom partitions.

25. **Scaffolding** – This Subcontractor shall provide, maintain, and dismantle an engineered scaffold system necessary to install work in the open lobby. This specifically includes any necessary scaffolding within the main entry lobby to all for access to the 2nd level finishes and ceilings. This scaffolding is to be installed such that access will be provided to the entire open area. This Subcontractor will allow for other subs to use this scaffolding and will install it early enough for MEP systems to use it, and will let it remain in place long enough for finishes behind to utilize the same. This scaffold system will be engineered and signed off on prior to installation. Note there are restrictions to motorized lifts and scaffolding allowed for on the Level 1 “Airfloor” topping slab, these limitations will be accounted for during design of the scaffold system.

26. **Partition Identification** – This Subcontractor shall be responsible for all fire wall identification stenciling, as required for an easy, unobstructed view of the rating on all fire-rated walls. *Refer to the Fire Safety Plan Drawings for proper identification of smoke and fire wall ratings and locations.*

27. **Cutouts & Framed Openings** – This Subcontractor shall be responsible for all drywall cut-outs and framed openings such as, but not limited to electrical boxes, fire extinguisher cabinets, paper towel dispenser, etc. as
required by the Contract Documents. This Subcontractor shall coordinate size and location of openings with other subcontractors.

28. **Access Panels** – This Subcontractor shall furnish and install all access panels except for MEP access panels, which the MEP Subcontractors shall supply and this Subcontractor will install. Locations for MEP access panels shall be provided for this Subcontractor.

29. **Acoustic Wall Panels** – This Subcontractor will provide and install all acoustic wall panels and noted in the Contract Documents. This includes, but is not limited to, all fabric, backing, insulation, brackets, fasteners, adhesives, bracing, layout, concealed systems, trim, etc. necessary for a complete turnkey acoustic wall panel system. This Subcontractor has included a final cleaning of all wall panels at building turnover to remove all fingerprints, smudges, etc., this includes any and all soaps, detergents, materials, labor, re-mobilizations, etc. necessary for this touch up.

30. **Ceiling Tile Penetrations** – This Subcontractor shall be responsible for coordinating the locations and performing the cutouts as necessary within ceiling systems, including but not limited to, fire sprinkler, casework, and other mechanical and electrical cutouts. This Subcontractor shall include installation of ceiling mounted device tiles with device cut-outs prior to field installation.

31. **Damaged Tile** – This Subcontractor shall be responsible for replacing any cracked or damaged acoustical tiles, found prior to review and acceptance by the Owner, Architect, and Construction Manager. In addition, this Subcontractor will include a $10,000 allowance for replacement ceiling systems. Any unused portion of this allowance will be returned to the Construction Manager at their discretion.

32. **Out of Sequence Work** – This Subcontractor agrees and understands that some work may be required to be performed out of sequence in order to facilitate the construction schedule. Subcontractor will assume multiple mobilizations with this bid.

33. **Attic Stock** – This Subcontractor shall provide all attic stock materials wrapped, labeled, delivered, unloaded, and placed at a location designated by the Construction Manager in strict accordance with the Contract Documents. Furthermore, all surplus materials shall be turned over to the Owner at its discretion. Surplus material shall be crated in its original container, delivered, unloaded and placed alongside attic stock material.

34. **Placement** – This Subcontractor shall furnish all labor, materials, tools, and equipment to transport gypsum board assemblies and acoustical ceiling materials from their plant to the point of placement.

35. **Layout** – This Subcontractor shall be responsible for all walls, ceilings, door frame, and window opening layout.

36. **Protection** – This Subcontractor shall take measures required to protect existing structures during installation of gypsum board assemblies. This Subcontractor is also to clean spillage and soiling from adjacent surfaces using cleaning agents and procedures recommended by the manufacturer of the soiled surface.

37. **Storage** – This Subcontractor is responsible for protection of all stored materials on site. Special precautions will be required due to increased wind loading and weather conditions. This includes items such as protecting stored drywall with plastic, bundling of studs, proper distribution of stored drywall to prevent overloading the structure, etc.

38. **Quality Control** – This Subcontractor shall respond both in regards to corrective action and with written notification to the Construction Manager of Quality Control Reports that are noted as being deficient. Corrective action and written notification is required within 48 hours of issuance of the deficient Quality Control Report, unless the deficiency requires a more rapid response which would make the needed corrections to be made within 24 hours of issuance of the report. Issued QC Reports will show the required time to correct any deficiencies. Any delays and cost caused to other Subcontractors who are directly associated to a lack of
response to a deficient QC Report by this Subcontractor will be the responsibility of this Subcontractor. If no response is given, payment may be withheld until corrections are made.

39. **Protection of Materials** – This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.

40. **Remedial Work** – This Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable work not installed within acceptable tolerances as described in the specifications. This work includes but is not limited to all removal and replacement as required to remedy all deficiencies as a result of this Contractor’s work. The Subcontractor shall also be responsible for any damages prior to inspection and acceptance by the Construction Manager, Engineers and Owner.

41. **Carpenter Allowance** – This Subcontractor will provide an allowance of 250 hours each for a carpenter and a laborer and $30,000 worth of materials to be used at the direction of the Construction Manager. Any unused portion of this allowance will be returned to the Construction Manager at their discretion.

42. **Traffic Control** – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

43. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

44. **Appropriate Common Requirements:**
   a) **Off Hours Work** - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/ weekends/ etc. All Subcontractors will account for this work for any and all of their scopes.
   b) **ICRA - ILSM:** This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.
   c) **Badging Identification** - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.
   d) **General healthcare experience** - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

**END OF SPECIFIC SCOPE**
NOTICE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: (NAME AND ADDRESS OF BIDDER)

Date: __________________________

Telephone: _______________________

TO: BID CLERK

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY  40506-0005

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. __________________________ DATED __________________________
ADDENDUM NO. __________________________ DATED __________________________
ADDENDUM NO. __________________________ DATED __________________________
ADDENDUM NO. __________________________ DATED __________________________

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY_____________________________ TITLE_____________________________

PRINT NAME_____________________________ FIRM_____________________________

ADDRESS_____________________________ PHONE ( )_____________________________

FAX ( )_____________________________

CITY STATE ZIP CODE DATE_____________________________
Contractor Report of Prior Violations of  
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor’s operations. The Contractor’s failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ________________________________

(USE WORDS)

______________________________ DOLLARS AND __________________ CENTS.

(USE WORDS) (USE WORDS)

($ __________________________)

(USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) Small Business  (06) Woman-Owned Large Business
(02) Large Business   (07) Disadvantaged Woman-Owned Small Business
(03) Disadvantaged Small Business  (08) Disadvantaged Woman-Owned Large Business
(04) Disadvantaged Large Business  (09) Other
(05) Woman-Owned Small Business

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

   (Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

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<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<tbody>
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<td>Laborer</td>
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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

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Provide the address, phone number and contact information for the following subcontractor/suppliers:

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Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 09B – Painting & Wall Coverings

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

The work covered under this Contract includes but is not limited to the following specific work items:

Unit 09B – Painting & Wall Coverings

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 9 - Finishes
- 099123 - Interior Painting
- Division 10 – Specialties
- 102600 – Wall Protection

***Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.

1. General – This Subcontractor shall furnish and apply all interior and exterior paints, block filler, primers, coatings, and test patches to all drywall, block, concrete, doors & frames, structural steel, miscellaneous metals, steel joists & columns, metal decking, piping, conduit, ductwork, and any other surface scheduled to be painted on the Contract Documents. This Subcontractor shall also be responsible for caulking all door frames, mill work, and interior storefront.

2. Vinyl Wall Coatings – This Subcontractor has included the installation of all University supplied vinyl wall coatings as called for and described in the Contract Documents. This Subcontractor will provide all adhesives, primers, sealers, cleaners, trim, and accessories necessary to complete the installation. This Subcontractor is responsible for proving appropriate quantity and ordering information to The Construction Manager, including all Attic Stock. Variances required on site are the responsibility of this Subcontractor.

3. Environmental Conditions – Prior to commencement of this work and throughout installation, this Subcontractor shall be responsible for verifying that air & surface temperature, moisture, & humidity conditions are suitable for installation of this work. This Subcontractor shall notify the Construction Manager immediately if these conditions do not meet the requirements for installation set forth in the Contract Documents or the paint manufacturer’s requirements. Proceeding with work is deemed acceptance of the environment.

4. Storage – This Subcontractor shall be responsible for unloading & storage of all materials until ready for installation. This Subcontractor shall be responsible for providing adequate fire protection (i.e. fire extinguishers) for all materials stored on-site.

5. Mock-ups/Benchmark Samples – This Subcontractor shall be responsible for providing a full-coat benchmark finish sample of each type of coating and substrate required for the project. Benchmarks will be the standard upon which all other work will be judged for compliance with the Contract Documents. In the event that benchmarks do not meet the design standard in the Contract Documents as determined by the Contractor,
Architect, or Owner, this Subcontractor is responsible for all corrective measures to achieve an acceptable benchmark.

6. Décor Stenciling – This Subcontractor shall be responsible for all stenciling as required on the contract documents. This includes coordinating layouts and locations with the Construction Manager, Owner & Architect.

7. Mechanical, Electrical, & Structural Work – This Subcontractor shall be responsible for painting mechanical, electrical, and structural items scheduled to be field-painted in the Contract Documents.

8. Sprinkler Piping – This Subcontractor shall be responsible for painting all exposed piping and equipment scheduled to field-painted in the Contract Documents.

9. Exterior Painting – This Subcontractor is responsible for painting & re-painting all exterior surfaces, existing and new, required by the construction documents. This is includes but is not limited to; CMU, bollards, downspout guards, etc. This includes all prep work required per manufacturer's requirements.

10. Site Visit – This Subcontractor has visited the site prior to submitting final proposal and has reviewed existing interior and exterior conditions to receive new paint and has provided adequate preparation work costs in this Subcontract.

11. Exposed Structure – This Subcontractor shall be responsible for painting all “exposed to structure ceilings” in accordance with the contract documents. This includes painting associated piping, conduit, supports, etc. This Subcontractor shall monitor the construction schedule for overhead work ahead of them, and be prepared to protect installed items such as lights, sprinkler heads, etc from paint. This Subcontractor understands that final dyed and polished concrete will be in-place and will protect these surfaces from their work. This Subcontractor shall review the in-place materials, such as galvanized decking, and provide correct products for proper adhesion.

12. Sealed Concrete – This Subcontractor shall be responsible for sealing all exposed concrete floors indicated on the Contract Documents to receive a finish of “SC”.

13. Finish Caulking – This Subcontractor is responsible for all finish caulking inside the building. This includes, but is not limited door jambs & headers, window frames, expansion joints, etc. as shown or indicated on the Contract Drawings. This Subcontractor will provide a deductive alternate to remove finish caulking from this scope of work.

14. Washout – This Subcontractor will provide their own washout stations in accordance with EPA and OSHA laws. This Subcontractor shall provide to the Construction Manager, upon request, chain of custody documents supporting proper disposal of paint washout.

15. Surface Compatibility – This Subcontractor shall be responsible for ensuring that all materials used are compatible with the surface to which they are applied in accordance with the manufacturer’s recommendations. This Subcontractor shall notify the Construction Manager immediately if any discrepancies exist. In addition, this Subcontractor agrees not to paint over UL or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.

16. Protection – This Subcontractor shall take any required measures to protect all work in place during the installation of this work. This Subcontractor shall be responsible for protecting other surfaces from paint, splatter, overspray, and any other possible damage. This Subcontractor shall be responsible for any and all remedial work to damage that is a result of improper surface protection. This includes but is not limited to sprinkler heads, curtain wall, glass, all floorings, etc.

17. Coordination – This Subcontractor shall coordinate with the Drywall Subcontractor related to patching and preparation for finishes. This Subcontractor shall not proceed with final coats of paint until the Drywall Contractor has completed the touch-up of any imperfections in their work. This Subcontractor shall survey all
existing conditions prior to commencement of work in a given area and report to the Construction Manager any discrepancies or deviations in the work of other subcontractors which detrimentally affect this work. Commencement of work in a given area of the project, without notifying the Construction Manager of such discrepancies or deviations, constitutes acceptance of the existing conditions, and obligates this Subcontractor to bear the cost to correct any deficiencies found in that area. Notification of discrepancies shall be reported to the Construction Manager in writing in sufficient time so that corrective action can be taken without impacting the project schedule.

18. Sequencing – This Subcontractor agrees to attend a preconstruction meeting with the drywall contractor to review the procedures for the finishing, priming, pointing, and final painting work. The following procedure will be used:

18.1. Drywall subcontractor will complete final sanding of drywall.
18.2. Painter to apply the prime coat.
18.3. Whiting-Turner, drywall, & painting subcontractor to walk entire area and review drywall quality. Imperfections will be identified by circling with pencil.
18.4. Drywall subcontractor will repair all circled imperfections.
18.5. Painter will proceed with application of first coat.
18.6. Items c and d will be repeated, correcting any remaining imperfections.
18.7. Balance of work completed, i.e. millwork, flooring, hardware, etc.
18.8. Painter will complete final coat(s).

19. Touch-Up – This Subcontractor shall provide an allowance of 100 man-hours to be used at the sole discretion of the Construction Manager for touch-up work on the project. At any time during the course of the project the Construction Manager may elect to use any unspent portion of this allowance for other added items within this scope of work by multiplying the remaining hours of this allowance by this Subcontractor’s standard labor rate in Exhibit G of this Subcontract. Also, any unspent portion of this allowance may be returned to the Construction Manager at any time during the project, by using the same computation method stated above. This allowance does not alleviate this Subcontractor from any of their contractual requirements spelled out in the Contract Documents or their contractual requirements spelled out in this Subcontract. This allowance cannot be spent without written authorization from Construction Manager. Any unspent portion of this allowance will be returned to the Construction Manager at the end of the project via a subcontract change order to this Subcontractor.

20. Traffic Control – This Subcontractor will provide a flag man with stop sign to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is a functional shopping center with businesses continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed business environment for the adjacent and surrounding businesses, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes, adjusting exit routes, parking in designated areas, deferring to customer traffic, posting flagmen, etc.

21. Schedule / Weather – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

22. Appropriate Common Requirements:
   a) Off Hours Work - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/weekends/etc. All Subcontractors will account for this work for any and all of their scopes.
   b) ICRA - ILSM: This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.
c) Badging Identification - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.

d) General healthcare experience - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

END OF SPECIFIC SCOPE
UNIVERSITY OF KENTUCKY – BRACHYTHERAPY EXPANSION
UK Project No. 2457.0

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
BRACHYTHERAPY EXPANSION

Subcontract 09C – Flooring and Tiling

Project No. 2457.0 Project Title: UK Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: ____________________________
(Name and address of bidder)

Date: ____________________________
Telephone: ____________________________

TO: BID CLERK

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

INVITATION TO BID: CCK-2269-18

BID OPENING DATES: 13 February 2018
TRADE CONTRACT DESCRIPTION: _______
Flooring and Tiling
TRADE CONTRACT NO.: 09C
TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. ____________ DATED ____________
ADDENDUM NO. ____________ DATED ____________
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(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY_____________________________    TITLE_____________________________
PRINT NAME_____________________________    FIRM_____________________________
ADDRESS_______________________________    PHONE (__________)_________________
PHONE (__________)_________________
FAX (__________)_________________
CITY    STATE    ZIP CODE    DATE_____________________________
Contractor Report of Prior Violations of

Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor’s operations. The Contractor’s failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ________________

(USE WORDS)

______________ DOLLARS AND ________________ CENTS.

(USE WORDS) (USE WORDS)

($) ________________

(USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) ___ Small Business          (06) ___ Woman-Owned Large Business
(02) ___ Large Business          (07) ___ Disadvantaged Woman-Owned Small Business
(03) ___ Disadvantaged Small Business
(04) ___ Disadvantaged Large Business
(05) ___ Woman-Owned Small Business
(07) ___ Disadvantaged Woman-Owned Large Business
(08) ___ Disadvantaged Woman-Owned Small Business
(09) ___ Other

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HERewith ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

_____________________________________________________
(Nine Digit Number)

BIDDER’S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, “to the responsive and responsible bidder whose bid offers the best value” to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

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<td>SF</td>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

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2. Minority and Women Material Suppliers

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SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

________________________________________________________________________

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 09C –Flooring and Tiling

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

The work covered under this Contract includes but is not limited to the following specific work items:

**Unit 09C –Flooring & Tiling**

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 2 - Existing Conditions
  - 024119 - Selective Demolition (as it pertains to this scope of work)
- Division 7 – Thermal & Moisture Protection
  - 079200 – Joint Sealant
- Division 9 – Finishes
  - 093013 – Ceramic Tiling
  - 096513 – Resilient Base & Accessories
  - 096519 – Resilient Tile Flooring
  - 096813 – Tile Carpeting

***Note: The listing of the specifications sections does not relieve the Subcontractor of the responsibility to review all specifications and to include all applicable work as it relates to this scope.***

1. **Scope of Work** - It is the intent that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings dated 10/27/17. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. This Subcontractor shall furnish and install all carpet, vinyl tile, porcelain tile, VCT, resilient tile flooring, vinyl wood plank, tile carpeting, resilient wall base, and accessories as required by the Contract Documents. This Subcontractor shall furnish and install all necessary materials for a comprehensive installation in strict compliance with the contract documents.

2. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

3. **General** – This Subcontractor furnish and install all carpet, vinyl tile, porcelain tile, VCT, resilient tile flooring, vinyl wood plank, tile carpeting, resilient wall base, and accessories as required by the Contract Documents.
4. **Room Finish Schedule** - This Subcontractor is responsible for all information shown on sheet A-621 including room finish schedule, finish material schedule, general notes, keyed notes, transition details, tile base detail, wall tile pattern, etc.

5. **Floor Protection** – This Subcontractor shall provide Masonite or Coroplast, craft paper, and carpet protection film as directed by the Contractor to protect all work installed under this Subcontract until completion. Water content mitigation for flooring adhesives will also be provided by this Subcontractor.

6. **Floor Preparation** – This Subcontract shall be responsible for all leveling and any other surface preparation necessary to install flooring materials per the Contract Documents and manufacturer’s instructions. This Subcontractor shall be responsible for field-verifying all existing conditions related to this Scope of Work. Commencement of your work shall be considered acceptance of substrate and any other existing conditions.

7. **Surface Conditions** - This Subcontractor shall verify that all surface conditions are acceptable per the contract documents and manufacturer’s recommendations prior to installation of flooring materials. This Subcontractor is responsible for sweeping and cleaning of floors to remove any excess debris prior to applying adhesives or flooring materials. This Subcontractor shall notify Whiting-Turner immediately of any discrepancies. Failure to do so shall indicate acceptance of the surface conditions.

8. **Patterns & Joint Alignment** – This Subcontractor shall provide, install, and follow the patterns and joint alignments described in the Contract Documents. Any deviations from the specified patterns must be approved by both the Architect and the Contractor in writing prior to installation. This Subcontractor also agrees to install all carpet tile in Ashlar Pattern.

9. **Testing** – This Subcontractor shall be responsible for performing all testing for this Scope of Work per the Contract Documents, including but not limited to moisture and bond tests. Any tests that result in failure or non-compliance with the Contract Documents or manufacturer’s specific instructions shall be re-tested at this Subcontractor’s expense.

10. **Moisture Content** – This Subcontractor has included a floor primer, spray lock adhesive, or floor preparation to account for any concrete moisture content that exceeds the manufacturer’s allowable tolerances for each type of flooring, based on this Subcontractor’s moisture test reports. This Subcontractor will provide a deductive alternate to remove this from his scope should it become unnecessary.

11. **Coordination** – This Subcontractor shall coordinate with all other trades on site for penetrations through work installed under this Subcontract to ensure a neat and flush finish.

12. **Final Cleaning** – This Subcontractor shall provide cleaning of all surfaces installed under this Subcontract one (1) time immediately after proper curing, as directed by the Contractor. Any additional cleaning to be performed by others.

13. **Joint Sealants** – This Subcontractor shall be responsible for all caulking between this Scope of Work and adjacent work as detailed on the Contract Documents, including but not limited to sealing of expansion, contraction, control, clean-outs, electrical outlets, and isolation joints in tile surfaces, etc.

14. **Adhesives, Mortars, and Grouts** - This Subcontractor shall furnish and install all adhesives, mortars and grouts required by this scope of work. They should be installed per manufacturer’s recommendations to be compatible with substrate conditions.

15. **Thresholds** - This Subcontractor shall furnish and install all thresholds and transition strips at all doors and as required to separate areas with differing floor materials such as at rooms called to receive tile, carpet, and all other flooring by this Subcontractor. Regardless of the location, this Subcontractor shall include transitions to its own flooring installations and transitions from this Subcontractor’s installations to other flooring installations.
16. **Mockups/Samples for Verification** – This Subcontractor agrees to provide all mockups as called for in the Contract Documents for each floor/wall type (as it relates to this scope).

17. **Ceramic Tiling** – This Subcontractor shall furnish and install all ceramic and porcelain tile, wall base, nosing’s, trim, accessories, moldings, transitions, metal edge strips, grout, caulk, waterproofing, thin-set, grout sealant, etc. per the contract documents for a complete scope of work. Final cleaning of ceramic tile will be by others. This Subcontractor shall provide the following in accordance with the Contract Documents:
   1. Porcelain tile (PT-1, PT-2, PT-3)
   2. Waterproof membrane
   3. Crack isolation membrane
   4. Metal edge strips

12. **Resilient Base & Accessories** - This Subcontractor shall provide the following in accordance with the Contract Documents:
   1. Resilient base (B-1, B-3)
   2. Resilient molding accessories

13. **Floor Polish** - This Subcontractor has included all labor and material to provide two coats of polish to flooring. (Only applicable to Vinyl Composition Tile)

14. **Resilient Tile Flooring** – This Subcontractor shall furnish and install all resilient tile, resilient wall base, nosing’s, trim, accessories, moldings, transitions, metal edge strips, adhesives, etc. per the contract documents for a complete scope of work. Final cleaning and waxing of resilient flooring will be by others. All seams must be inconspicuous, flat, have unpuckered edges, and be free from adhesives. Manufacturer standard colors are included. This Subcontractor shall provide the following in accordance with the Contract Documents:
   1. Enhanced vinyl tile flooring (VT-1, VT-2, VT-3, VT-4)
   2. Vinyl composition tile flooring (VCT-1, VCT-2, VCT-3)
   3. Vinyl wood plank flooring (VWP-1, VWP-2)

15. **Carpeting** - This Subcontractor shall provide the following in accordance with the Contract Documents:
   1. Modular carpet tile (C-1)
   2. Modular walk-off carpet tile

16. **Cleaning** – This Subcontractor has included all labor and material to clean and finish all new flooring and wall base in this Scope of Work, in accordance with the manufacturer’s recommendations, one (1) time at the specific direction of the Construction Manager.

17. **Deliveries** - This Subcontractor shall deliver and receive all materials in this scope of work the times and sequences necessary to meet the schedule and as directed by the Construction Manager. This Subcontractor shall be responsible for the coordination of all deliveries and unloading with the Construction Manager.

18. **Traffic Control** – This Subcontractor will provide a flag man with stop sign to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is a functional shopping center with businesses continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed business environment for the adjacent and surrounding businesses, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes, adjusting exit routes, parking in designated areas, deferring to customer traffic, posting flagmen, etc.

19. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

20. **Appropriate Common Requirements**: 

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Work Category – 09C Page 13 of 13
a) Submittals - Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager

b) Warranties – Subcontractor will provide all required warranties as called out in contract documents and specifications.

c) Permits and inspections – this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor’s ability to acquire.

d) Safety – Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally Subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Whiting-Turner personnel.

e) Off Hours Work - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/weekends/etc. All Subcontractors will account for this work for any and all of their scopes.

f) ICRA - ILSM: This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.

g) Badging Identification - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.

h) General healthcare experience - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

END OF SPECIFIC SCOPE
UNIVERSITY OF KENTUCKY – BRACHYTHERAPY EXPANSION
UK Project No. 2457.0

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
BRACHYTHERAPY EXPANSION

Subcontract 21A – Fire Suppression

Project No. 2457.0 Project Title: Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: (NAME AND ADDRESS OF BIDDER)

Date: ____________________________

Telephone: ____________________________

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

INVITATION TO BID: CCK-2269-18
BID OPENING DATES: 13 February 2018
TRADE CONTRACT DESCRIPTION: _____ Fire Protection
TRADE CONTRACT NO.: 21A
TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. ____________________ DATED ____________________
ADDENDUM NO. ____________________ DATED ____________________
ADDENDUM NO. ____________________ DATED ____________________
ADDENDUM NO. ____________________ DATED ____________________
ADDENDUM NO. ____________________ DATED ____________________

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY ____________________________ TITLE ____________________________
PRINT NAME ____________________________ FIRM ____________________________
ADDRESS ____________________________ PHONE ( ) ____________________________
FAX ( ) ____________________________
CITY _________ STATE _________ ZIP CODE _________ DATE ____________________________
Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ____________________________

_______________________ DOLLARS AND ______________________ CENTS.

($) ____________________

USE WORDS

USE WORDS

USE FIGURES
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) ___ Small Business  (06) ___ Woman-Owned Large Business
(02) ___ Large Business  (07) ___ Disadvantaged Woman-Owned Small Business
(03) ___ Disadvantaged Small Business  (08) ___ Disadvantaged Woman-Owned Large Business
(04) ___ Disadvantaged Large Business  (09) ___ Other
(05) ___ Woman-Owned Small Business

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER’S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, “to the responsive and responsible bidder whose bid offers the best value” to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any Subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All Subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

_The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid._

_The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date._

Provide the address, phone number and contact information for the following Subcontractor/suppliers:

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<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

*The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.*

*The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.*

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<th>ITEM DESCRIPTION</th>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 21A – Fire Suppression

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

The work covered under this Contract includes but is not limited to the following specific work items:

Unit 21A – Fire Suppression

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 2 - Existing Conditions
- 024119 - Selective Demolition
- Division 7 - Thermal & Moisture Protection
- 078413 - Penetration Firestopping
- Division 10 - Specialties
- 104413 - Fire Protection Cabinets
- 104416 - Fire Extinguishers
- Division 13 - Special Construction
- 134900 - Radiation Protection (as it pertains to this scope of work)
- Division 21 - Fire Suppression
  - 210100 - Fire Protection System

***Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.

1. Scope of Work - The Fire Protection System Subcontractor shall perform all the work as scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to manufacture, erect, and install this work will be the responsibility of the Subcontractor. The techniques established shall allow for all requirements set forth in the Contract Documents. The Subcontractor will furnish all supervision, labor, material, hoisting, rigging, equipment, tools, appliances, warranties, guarantees, and everything necessary to provide a complete turnkey fire suppression system in full compliance with the Contract Documents. This includes but is not limited to all dry pipe, risers, stand pipes, low point drains, express drains, hangers, anchors, supports, valves, check valves, bypasses, fittings, tees, valve cabinets, hoses, sprinklers, spray nozzles, flow and tamper switches, escutcheons, valve assemblies, meters, test headers, permits, testing, welders certification certificates, hydraulic calculations, etc. It is this Subcontractor’s responsibility to provide a complete and functioning system that meets all codes and design intents, even if not fully detailed in the contract drawings.

2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

3. Building Information Modeling (BIM) – Coordination shall be 3-D VDC, based on the Whiting-Turner BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.
4. **Selective Demolition** - This Subcontractor will provide for any and all demolition of existing fire suppression systems that may be required as called for or needed by the construction documents. This will be a complete demolition to include any haul off and disposal as required. Existing Fire Protection Cabinets, extinguishers, etc. will be included in this scope item and salvaged where necessary or able. Fire protection system must be maintained to existing buildings and spaces during demolition. This Subcontractor has accounted for this work in their bid. This Subcontractor shall properly dispose of the existing antifreeze system in accordance with all EPA and OSHA laws. This Subcontractor shall provide, upon request, chain of custody documentation supporting proper disposal. This Subcontractor is responsible for removing all their own piping from the jobsite.

5. **Existing System** - This Subcontractor will be responsible for all re-routing of existing fire suppression in the central utility plant as specified in the contract documents and as required for code compliance. In addition, to new tying in new fire suppression to the existing system. All testing of new and existing lines is the responsibility of this Subcontractor upon completion of all work. This Subcontractor has accounted for and understands that the existing system must remain fully operational through the course of construction. Any shutdowns must be coordinated and appropriate measures taken. The existing system must remain in operation during normal business hours. Any shutdowns etc. will have to be performed in offer hours. This Subcontractor has accounted accurately for off shift work.

6. **Access** – This Subcontractor shall provide all architectural access doors needed to access this scope of work, including any and all valve cabinets, valve assemblies, etc. as detailed in the drawings. Provide access at piping connections, valves, and at all locations required by code, and specifications. Furnish fire rated access doors where required by code. This Subcontractor shall be responsible for coordinating locations of all access doors related to this scope of work with the Drywall Subcontractor. Installation of access doors in all other media will be by the Drywall Subcontractor. This Subcontractor will work with the Drywall Subcontractor and Construction Manager to develop and use a procedure for assigning the access panels to the Drywall Subcontractor.

7. **Submittals** – This Subcontractor shall provide a full set of engineered shop drawings and calculations to the Construction Manager. This Subcontractor shall review reflected ceiling plans and coordinate pipe locations away from skylights and other obstructions.

8. **Flow Test** – This Subcontractor shall conduct flow tests as required by contract documents.

9. **Dry-Pipe** – This Subcontractor will install dry-pipe system as required by the construction documents and specifications.

10. **Sprinkler Water & Daily Cleanup** – This Subcontractor shall be responsible for daily cleanup of their sprinkler water. This Subcontractor understands the existing and proposed floor finishes (dyed & polished concrete) and is responsible for any costs associated with stains from the result of their scope of this work. This Subcontractor shall provide a contained reservoir (i.e. tub with cat litter) at their pipe cutting stations to protect the floor from damage, in accordance with the EPA requirements.

11. **Placement and Hoisting** – This Subcontractor shall furnish all labor, materials, tools, etc. required to transport materials to the point of placement. This Subcontractor shall provide all means of hoisting, lifting, scaffolding, etc. to point of placement.

12. **Vibration & Seismic Controls** – This Subcontractor has included for all vibration and seismic controls.

13. **Protection** – This Subcontractor shall take measures required to protect all in place work during the installation of this Scope of Work. This includes but is not limited to the protection of ceiling during trim-out, floor protection under pipe threading machines, etc. from dirt, oil, grime, or other damage. Any damage caused to the floor from this Subcontractors installation/testing operations will be the responsibility of this Subcontractor.

14. **Wall Penetrations** – Subcontractor is to provide sleeves in walls and fire stop as specified if core drilling of existing walls is required the core drilling and fire stopping will be the responsibility of this Subcontractor.
15. **Sprinkler Head Protection** – This Subcontractor is responsible for the protection of sprinkler heads after installation by means of covering securely with plastic caps. During final trim, this Subcontractor is responsible for removing such caps and ensuring that all escutcheon rings are secured.

16. **Testing** – This Subcontractor shall comply with all local and NFPA requirements, and as required in the Specifications. Air pressure “blowback” testing shall be done prior to hydrostatic testing. Hydrostatic tests shall be conducted without the heads in place to allow for complete drainage of the tested area. Pipe Testing must be witnessed by the Construction Manager and reports provided to the Construction Manager.

17. **Valve Access** – Control valves for the sprinkler system will be located in areas not requiring access panels or special needs to be reached.

18. **Concrete** – This Subcontractor shall provide all anchoring and grouting for all floor supports as specified or required for a complete system.

19. **Engineering** – This Subcontractor will be considered a subject matter expert as it pertains to this scope of work. Therefore this Subcontractor is responsible for all engineering, design, shop drawings, installation, adherence to code, and function of the system in its entirety.

20. **Structure** - This Subcontractor is responsible for supporting all their work from the structure. Provide any reinforcement and supports not shown on the architectural or structural drawings that may be required (by code and or specifications) to support components of this scope of work. Provide all sleeves, inserts, embeds, and anchors necessary for the attachment of any and all the fire suppression components. Any of these inserts that will be placed in concrete must be delivered to the job site in advance of any concrete pour in which they will be located, and must be accompanied by respective delivery tickets. This Subcontractor shall provide an accurate detail of the location of concrete embeds at least 3 weeks prior to any concrete pour where that embed will be located. This Subcontractor shall verify the placement location and quality of all embeds necessary for this scope of work before and after any concrete pour. This Subcontractor will follow the Whiting-Turner overall project schedule for notice of concrete pours.

21. **Overhead Liquid Carrying Pipe** - All overhead liquid carrying piping shall be routed around electrical equipment of any kind. If it is not possible to route piping around electrical equipment, then this Subcontractor shall provide drip pans over the electrical equipment with associated piping to drain the pans.

22. **Traffic Control** – This Subcontractor will provide a flag man with stop sign to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is a functional shopping center with businesses continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed business environment for the adjacent and surrounding businesses, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes, adjusting exit routes, parking in designated areas, deferring to customer traffic, posting flagmen, etc.

23. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

24. **Appropriate Common Requirements**:
   a) **Off Hours Work** - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/ weekends/ etc. All Subcontractors will account for this work for any and all of their scopes.
   b) **ICRA - ILSM**: This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.
c) Badging Identification - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.

d) General healthcare experience - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

**END OF SPECIFIC SCOPE**
Project No. 2457.0  Project Title: Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by:  
(NAME AND ADDRESS OF BIDDER)

Date:  
Telephone:  

TO: BID CLERK  INVITATION TO BID: CCK-2269-18
UNIVERSITY OF KENTUCKY  BID OPENING DATES: 13 February 2018
CAPITAL CONSTRUCTION  TRADE CONTRACT DESCRIPTION:  ______
PROCUREMENT  Mechanical & Plumbing
RM. 322 SERVICE BUILDING  TRADE CONTRACT NO.: 23A
411 SOUTH LIMESTONE  TIME: 3:00 P.M. E.D.T.
LEXINGTON, KY 40506-0005

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. DATED
ADDENDUM NO. DATED
ADDENDUM NO. DATED
ADDENDUM NO. DATED
ADDENDUM NO. DATED

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY______________________________ TITLE______________________________
PRINT NAME____________________________ FIRM______________________________
ADDRESS____________________________ PHONE (  ) _________________________
____________________________ PHONE (  ) _________________________
CITY STATE ZIP CODE DATE____________________________

UNIVERSITY OF KENTUCKY – RESEARCH BUILDING #2
UK Project No. 2457.0
Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF __________________________________________________________

__________________________________________ DOLLARS AND ______________________ CENTS.

__________________________________________ (USE WORDS) (USE WORDS)

($ __________________________) (USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Code</th>
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<tbody>
<tr>
<td>Small Business</td>
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<tr>
<td>Large Business</td>
<td>02</td>
</tr>
<tr>
<td>Disadvantaged Small Business</td>
<td>03</td>
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<tr>
<td>Disadvantaged Large Business</td>
<td>04</td>
</tr>
<tr>
<td>Woman-Owned Small Business</td>
<td>05</td>
</tr>
<tr>
<td>Woman-Owned Large Business</td>
<td>06</td>
</tr>
<tr>
<td>Disadvantaged Woman-Owned Small Business</td>
<td>07</td>
</tr>
<tr>
<td>Disadvantaged Woman-Owned Large Business</td>
<td>08</td>
</tr>
<tr>
<td>Other</td>
<td>09</td>
</tr>
</tbody>
</table>

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

______________________________
(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any Subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

*All Bidders are required to complete and submit the following information with their bid.*

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<tbody>
<tr>
<td>HVAC Duct Return</td>
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<tr>
<td>HVAC Duct Supply</td>
<td>LF</td>
<td></td>
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<tr>
<td>Chilled Water Piping</td>
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<td></td>
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<tr>
<td>Domestic Water Piping</td>
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<tr>
<td>One full set of HVAC filters</td>
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<tr>
<td>Steam Piping</td>
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<tr>
<td>Sanitary Piping</td>
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<tr>
<td>CRAC Piping</td>
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<tr>
<td>Medical Gas Piping</td>
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<tr>
<td>Brazing</td>
<td>HR</td>
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<tr>
<td>Medical Gas Demolition</td>
<td>LS</td>
<td></td>
</tr>
<tr>
<td>HVAC Demolition</td>
<td>LS</td>
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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All Subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

_The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid._

_The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date._

Provide the address, phone number and contact information for the following Subcontractor/suppliers:

<table>
<thead>
<tr>
<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

*The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.*

*The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.*

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>MANUFACTURER/SUPPLIER</th>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________

2. Minority and Women Material Suppliers

   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name
TRADE CONTRACT – 23A – Mechanical for C.U.P and Utility Loop

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit 23A – Mechanical & Plumbing

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 2 - Existing Conditions
  - 024119 - Selective Demolition (as it pertains to this scope of work)
- Division 7 - Thermal & Moisture Protection (as these pertain to this scope of work)
  - 072100 - Thermal Insulation
  - 075700 - Coated Foam Roofing
  - 078413 - Penetration Firestopping
- Division 13 - Special Construction
  - 134900 - Radiation Protection (as it pertains to this scope of work)
- Division 20 – Mechanical
  - 200100 - General Provisions - Mechanical
  - 200200 - Scope of the Mechanical Work
  - 200300 - Shop Drawings, Descriptive Literature, and Maintenance Manuals, Parts lists, Special keys & Tools
  - 200400 - Demolition and Salvage
  - 200500 - Coordination Among Trades
  - 201100 - Sleeveing, Cutting, Patching, and Repairing
  - 201200 - Excavation, Trenching, Backfilling & Grading
  - 201300 - Welding
  - 201330 - Heat Transfer Fluid
  - 202100 - Valves and Cocks
  - 202110 - Access to Valves, Equipment, Filters, etc.
  - 202200 - Insulation Mechanical
  - 202300 - Thermometers and Others, Monitoring Equipment
  - 202400 - Identifications, Tags, Charts, Etc.
  - 202500 - Hangers, Clamps, Attachments, Etc.
  - 203100 - Testing, Balancing, Lubrication and Adjustments
- Division 22 – Plumbing
  - 220100 - Plumbing Specialties Cleanouts
  - 220100 - Plumbing Specialties Floor Drains
  - 220100 - Plumbing Specialties Trap Primers
  - 220100 - Plumbing Specialties Hose Bibs and Wall Hydrants
  - 220200 - Plumbing Fixtures, Fittings, and Trim - Fixtures
  - 220200 - Plumbing Fixtures, Fittings, and Trim - Trim
  - 220200 - Plumbing Fixtures, Fittings, and Trim - Flush Valves
  - 220200 - Plumbing Fixtures, Fittings, and Trim - Water Coolers
  - 220300 - Plumbing Equipment
  - 220600 - Medical Gas Piping

Division 23 - HVAC
1. **Scope of Work** – It is the intent for this project that this Subcontractor perform all work scoped herein and as specified in the Project Manual and Contract Drawings. This subcontract includes Mechanical and Plumbing for the Brachytherapy expansion project, including coordination with hospital staff and infection control required to complete the entire scope of work.

2. **Building Information Modeling (BIM)** – Coordination shall be 3-D VDC, based on the Whiting-Turner BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings. This Subcontractor will provide a BIM draftsman for use by the CM to compile all trade BIM VDC models and clash detection. This draftsman will be present at all weekly BIM VDC coordination meetings and provide all assistance as may be required by the CM for a complete VDC model by all trades.

3. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

4. **Tie-ins to Existing Spaces**; This project includes mechanical and plumbing tie-ins to existing hospital space. These tie-ins must be coordinated with Hospital staff and ongoing operations. This Subcontractor has accounted for these tie-ins and associated work. This includes ICRA and ILSM measures that must be taken to protect existing areas.

5. **Engineering** – Furnish and install all seismic bracing required by local code for this scope of work. Provide complete engineering for seismic systems. Furnish and install vibration isolation for HVAC equipment and piping per contract documents for this scope of work. Provide complete engineering for isolation systems.

6. **Selective Demolition** - This Subcontractor will provide for all Mechanical, HVAC, Controls, Plumbing, Hydronic, Medical Gas System, Glycol demolition as specified in the construction documents. This will include removal haul-off and waste disposal as may be necessary for a complete demolition.
7. **Roof Penetrations** – This Subcontractor is responsible for all roof penetrations required for this trade’s work. This includes cutting, patching, curb placement and procurement, repair and return to finished condition of roof. All waterproofing sealing caulking etc. shall be the responsibility of this Subcontractor.

8. **Sleeves** – Furnish and set HVAC sleeves in concrete, masonry and drywall walls. Furnish wall sleeves for installation into walls by masonry contractor or drywall contractor. Provide shop drawings to installing contractor identifying height and locations of wall sleeves. Any core drilling required for access will be provided by this Subcontractor.

9. **Access** - Provide cutting and patching, saw-cutting and core drilling for any penetrations required for this scope of work. No core drilling will take place without the Structural Engineer's written approval. Provide structural supplemental support required for cores per engineer's details.

10. **Drawings** - Provide drawings showing all required in-wall blocking. Blocking to be provided by others.

11. **Access Doors** - Furnish all access doors required for access to HVAC systems. Access doors to be installed by others.

12. **Fire Stopping** - Provide fire stopping at all HVAC penetrations in floors, ceilings, and walls.

13. **Caulking and Sealing** - Provide caulking for all piping installed in this subcontract. Subcontractor shall seal all penetrations where HVAC piping, ductwork and equipment penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer’s recommendations before waterproofing is installed.

14. **Patching** - Provide patching of spray fireproofing damaged by this Subcontractor.

15. **Protection** - This subcontractor shall be responsible for identification and protection of all work that will remain exposed after installation. Costs to repair or replace inadequately protected work that becomes damaged shall be borne by this subcontractor.

16. **Curbs** - Provide equipment curbs and sealants required for HVAC penetrations through roof. Include all supports, angles, clips, all thread, bolts and connections to support and mount new work. Coordinate with Roofing Contractor.

17. **Supplemental Supports** - Furnish and install supplemental steel for HVAC equipment, ductwork and piping per contract documents for this scope of work. Prime paint all steel supports installed for this scope of work. Provide openings in mechanical corridor grating as needed for mechanical penetrations, and provide additional reinforcing. Provide engineering and calculations for additional reinforcing. Provide coating on added steel to match existing grating, and patch and repair coatings on steel modified by this subcontractor.

18. **Signage** - Furnish and install labels and signage which meet contract documents along with the governing code for HVAC systems.

19. **Insulation** - Furnish and install all insulation and jacketing required by specification, drawings and governing energy codes for this scope of work.

20. **Cleaning** - Subcontractor shall be responsible for flushing, cleaning and certification of HVAC piping and duct systems as required by contract documents and codes. If any ductwork installed under Core and Shell scope is dirtied through the actions of this subcontractor, this subcontractor shall be responsible for cleaning of entire duct system.

21. **Controls** - Provide complete and turn key controls system, low voltage wiring, programming etc. for all equipment installed and as specified on the contract documents. A complete system integrated with BAS to also be provided including testing and recertification of existing systems.
22. **Coordination** - Coordinate with the Electrical subcontractor the locations and requirements of power feeds and/or receptacles needed for all equipment provided by this scope of work. Provide electrical interconnect wiring for HVAC equipment to provide a single point electrical connection.

23. **Testing Balancing** - Coordinate with Testing & Balancing University staff. Review Testing & Balancing documents and provide comments for coordination. Provide support for University Staff to access all HVAC work, including but not limited to tools, ladders, lifts and equipment. Provide duct leakage testing and coordinate with testing and balancing personnel.

24. **Warranties** - Provide extended warranties for period of temporary use of equipment during construction. Provide maintenance of all equipment used during the temporary power and heating periods according to manufacturer’s recommendations. Maintain a log of all maintenance performed through the temporary construction period until substantial completion. Submit a sample log to Whiting-Turner for approval before the start of temporary use.

25. **Shipping** - All individual ductwork pieces shall be shrink-wrapped prior to delivery to jobsite. Maintain wrapping until ductwork is hung in place. Ductwork shall not be stored on the floor. Cover open ends of in-place ductwork at the end of each day. If dirt gets into the ductwork as determined by the owner and/or Whiting-Turner, this contractor shall provide cleaning of ductwork to the satisfaction of Whiting-Turner at no additional cost. Cover all RGD’s during installation with plastic. During temporary use of permanent ductwork, cover RGD’s with filter fabric. Remove and/or replace plastic and filter fabric at the direction of Whiting-Turner.

26. **Temporary Filtration** - Provide and maintain temporary filter media at return grilles during temporary use of building HVAC systems. Include filtration and filter media for outside air intakes on adjacent buildings.

27. **Duct Detectors** – This Subcontractor will provide temp duct detectors, including wiring for the duration of temp use of HVAC system. This includes maintenance cut off switches etc.

28. **HVAC Equipment**: This subcontractor shall provide a complete and turn-key installation of all HVAC equipment including but not limited to:

- Air Handling Units
- Vents
- Louvers
- Registers
- Diffusers
- Grills
- Fans
- Fan Coils
- Intakes
- Humidifiers
- Chillers
- Water heaters
- Hydronic Systems
- CRAC Units with Glycol Cooled Condenser
- Loop Filters
- VAV/CAV Boxes
- Pumps
- Reheat Coils
- Expansion Tanks
- Temporary HVAC
- Negative Air Environment
29. **Packaged Equipment** - For all packaged equipment provided under this scope of work, install and pre-wire all electrical outlets, lights, fans, disconnects, etc. as indicated in the electrical drawings. Comply with all electrical specifications. Coordinate single point connections with division 26B. Provide all accessories required to make final connections.

30. **Misc. HVAC** - This Subcontractor will provide a $50,000 allowance for movement of existing HVAC, Mechanical, and Plumbing services that may be required for new work to follow that is not immediately apparent from the contract documents. Unused elements of this allowance will be returned to the CM via deductive change order.

31. **Filters** - Provide allowance for one additional set of prefiltration and final filters for all Air Handling Units installed under Phase 1. This allowance may or may not be used depending on filter loading of sets bought under 23A, and any unused funds will be returned to UK via deductive change order.

32. **Temporary HVAC** - This Subcontractor has accounted for temporary HVAC for the entirety of the expansion and renovation space. Power to be provided by others. Temporary HVAC and negative air environments to be maintained for the duration of construction until final HVAC, commissioning and turn over can occur. Provide all negative air requirements for ICRA ILSM purposes will include monitoring and maintenance of all equipment required for this purpose. Additionally, if work by this Subcontractor will result in extended lack of HVAC and cooling to communications and IT spaces this Subcontractor will provide for temporary HVAC and cooling in these spaces until permanent service can be restored.

33. **Testing** - This subcontractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and Whiting-Turner. Provide multiple testing of installations as required to meet the project schedule.

34. **Training:** Subcontractor shall provide training and demonstrations per contract documents. Include videotaped records of training sessions. Coordinate training with W-T and owner.

35. **Commissioning:** Provide commissioning support including but not limited to the following:
   - Completion of commissioning documentation
   - Attendance in commissioning meetings when directed by Whiting-Turner
   - Onsite support during functional testing
   - Onsite support to resolve any commissioning issues with installed work

36. **Plumbing** - This Subcontractor will provide complete and turn-key installation all plumbing work as called for in the construction documents including testing and recertification of existing systems. This work will include but not be limited to:
   - Under slab plumbing
   - Lift stations
   - Lift station piping
   - Hydronic piping
   - Sinks
   - Restrooms
   - Drains
   - Medical gas plumbing
   - Selective plumbing demolition
   - Cut and cap existing services
   - Plumbing Risers
   - Vents
   - Signage
   - Markings
   - Cleanouts
   - Roof Leaders and Drains
37. **Site Conditions** – All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If Whiting-Turner is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.

38. **Traffic Control** – This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, etc.

39. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

40. **Appropriate Common Requirements**:
   a) **Off Hours Work** - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/ weekends/ etc. All Subcontractors will account for this work for any and all of their scopes.
   b) **ICRA - ILSM**: This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.
   c) **Badging Identification** - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.
   d) **General healthcare experience** - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

**END OF SPECIFIC SCOPE**
Subcontract 26A – Electrical

Project No. 2457.0  Project Title: Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: (NAME AND ADDRESS OF BIDDER)

Date: ____________________

Telephone: ____________________

TO: BID CLERK

INVITATION TO BID: CCK-2269-18

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

BID OPENING DATES: 13 February 2018

TRADE CONTRACT DESCRIPTION: Electrical

TRADE CONTRACT NO.: 26A

TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. ____________________  DATED ____________________
ADDENDUM NO. ____________________  DATED ____________________
ADDENDUM NO. ____________________  DATED ____________________
ADDENDUM NO. ____________________  DATED ____________________
ADDENDUM NO. ____________________  DATED ____________________

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2452-17 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY ___________________________ TITLE ___________________________
PRINT NAME _________________________ FIRM ____________________________
ADDRESS _____________________________ PHONE ( ) __________________________
                                  FAX ( ) __________________________
CITY ___________________ STATE ___________________ ZIP CODE ____________
DATE

Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor’s operations. The Contractor’s failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ____________________________ (USE WORDS)

_________________________ DOLLARS AND ______________________ CENTS. (USE WORDS)

(USE WORDS) (USE WORDS)

($ _________________ ) (USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) ___ Small Business  (06) ___ Woman-Owned Large Business
(02) ___ Large Business   (07) ___ Disadvantaged Woman-Owned Small Business
(03) ___ Disadvantaged Small Business  (08) ___ Disadvantaged Woman-Owned Large Business
(04) ___ Disadvantaged Large Business  (09) ___ Other
(05) ___ Woman-Owned Small Business

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREBITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

____________________
(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any Subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

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<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<tr>
<td>Communication Runs</td>
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<td>Power Runs</td>
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<td>Pull Boxes</td>
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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All Subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following Subcontractor/suppliers:

<table>
<thead>
<tr>
<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

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<th>ITEM DESCRIPTION</th>
<th>MANUFACTURER/SUPPLIER</th>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 26A –Electrical

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit 26A –Electrical

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

Division 1 – General Requirements
Division 2 - Existing Conditions
  024119 - Selective Demolition (as it pertains to this scope of work)
Division 7 - Thermal & Moisture Protection (as these may pertain to this scope of work)
  072100 - Thermal Insulation
  072726 - Fluid applied Membrane Air Barriers
  075700 - Coated Foam Roofing
  078413 - Penetration Firestopping
Division 13 - Special Construction
  134900 - Radiation Protection (as it pertains to this scope of work)
Division 25 - Integrated Automation
  250100 - Motor Starters, and Other Electrical Requirements for Mechanical Equipment
  250200 - Controls - Direct Digital
Division 26 – Electrical
  260501 - General Provisions Electrical
  260502 - Scope of the Electrical Work
  260503 - Shop Drawings Literature Manuals Parts Lists and Special Tools
  260504 - Sleeving Cutting Patching and Repairing
  260505 - Demolition Restoration and Salvage
  260508 - Coordination Among Trades, Systems Interfacing and Connection of Equipment Furnished by Others
  260519 - Conductors, Identifications, Splicing, Devices and Connectors
  260526 - Grounding and Bonding for Electrical Systems - Fittings
  260526 - Grounding and Bonding for Electrical Systems - Rods
  260526 - Grounding and Bonding for Electrical Systems - Fittings
  260526 - Grounding and Bonding for Electrical Systems - Rods
  260531 - Cabinets, Outlet Boxes, and Pull Boxes
  260533 - Raceway and Fittings - Surface Raceway
  260533 - Raceway and Fittings - Clamp Supports
  260533 - Raceway and Fittings - Spring Steel Clips
  260533 - Raceway and Fittings - Flex Conduit Connections
  260533 - Raceway and Fittings - Firestopping Material
  260533 - Identifications
  260573 - Electrical Studies
  262400 - Electrical Distribution Equipment - Panels
  262400 - Electrical Distribution Equipment - Safety Switches
  262400 - Electrical Distribution Equipment - Fuses
  262400 - Electrical Distribution Equipment - Transformers
  262400 - Electrical Distribution Equipment - Contactors
  262726 - Wiring Devices and Plates - Device and Plates
1. **Scope of Work** – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This subcontractor will generally perform all electrical and communication work which includes but is not limited to:
   a) Electrical service runs
   b) Communication service runs
   c) Pull boxes
   d) Electrical and communication demolition
   e) Control wiring
   f) VFDs
   g) Light installation
   h) Mechanical systems wiring
   i) Coordination and installation of Owner supplied equipment
   j) Radiation shielding of penetrations
   k) Security Equipment
   l) Cameras
   m) Lighted Signs
   n) Controls for radiation doors
   o) Electrical and Communication outlets
   p) Equipment Wiring
   q) Low voltage wiring for Security, AV, and Netcom
   r) Fire Alarm
   s) Electrified Doors and Hardware

2. **Full-time Project Manager** - Subcontractor shall provide full time project manager or competent person onsite at all time work is being performed.

3. **Building Information Modeling (BIM)** – Coordination shall be 3-D VDC, based on the Whiting-Turner BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.

4. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

5. **Engineering** – This Subcontractor shall be responsible for complete engineering and design of the electrical system to the extent needed for permitting. Furnish and install all seismic bracing required by local code for
this scope of work. Provide complete engineering for seismic systems. Furnish and install vibration isolation for electrical equipment and piping per contract documents for this scope of work. Provide complete engineering for isolation systems.

6. **Selective Demolition** – This Subcontractor will perform all electrical, communication, fire alarm, tele-video, etc. selective demolition as called for on the construction documents. This will include all haul off, disposal, storage, and salvage as may be required for this scope of work.

7. **Sleeves** – Furnish and set electrical sleeves in concrete, masonry and drywall walls. Furnish wall sleeves for installation into walls other Subcontractors as applicable. Provide shop drawings to installing contractor identifying height and locations of wall sleeves.

8. **Roof Penetrations** – This Subcontractor is responsible for all roof penetrations required for this trade’s work. This includes cutting, patching, curb placement and procurement, repair and return to finished condition of roof. All waterproofing sealing caulking etc. shall be the responsibility of this Subcontractor.

9. **Outages** – all outages must be coordinated through the University of Kentucky and the Construction Manager.

10. **Waterproofing** – This Subcontractor will waterproof all electrical penetrations, pre-cast electrical and communication manholes.

11. **Radiation Shielding** - This Subcontractor will have penetrations through spaces where radiation shielding must be maintained. These penetrations must be shielded and or baffled appropriately. This subcontractor has accounted for these penetrations and all associated shield that may be required.

12. **Cutting and Patching** - Provide cutting and patching, saw-cutting and core drilling for any penetrations required for this scope of work. No core drilling will take place without the Structural Engineer's written approval.

13. **Blocking** - Provide drawings showing all required in-wall blocking. Blocking to be provided by others.

14. **Access Doors** - Furnish all access doors required for access to electrical system. Access doors to be installed by others.

15. **Fire Stopping** - Provide fire stopping at all electrical penetrations in floors, ceilings, and walls.

16. **Penetrations** - Subcontractor shall seal all penetrations where electrical wire or conduit penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer’s recommendations before waterproofing is installed.

17. **Protection** - This Subcontractor shall be responsible for identification and protection of all work that will remain exposed after installation. Costs to repair or replace inadequately protected work that becomes damaged shall be borne by this Subcontractor.

18. **Flashing** - Provide flashing, counterflashing and sealants required for penetrations through roof related to this scope of work. Include all supports, curbs, angles, clips, all thread, bolts and connections to support and mount new work.

19. **Modifications** - Provide modifications to gear as called for in the construction documents, including but not limited to testing, conduit and cable, relays, CT’s, fuses, and work related to HMI and PLC’s. Coordinate outages with owner and Whiting-Turner. Work that requires a shutdown of the emergency power system shall be carried as off hours.

20. **Labels** - Furnish and install labels and signage which meet contract documents along with the governing code for electrical systems.
21. **Supplemental Supports** - Furnish and install supplemental steel for electrical equipment per contract documents for this scope of work. Prime paint all steel supports installed for this scope of work.

22. **Signage** - Furnish and install labels and signage which meet contract documents along with the governing code for electrical systems. Identification (labels, tags, schedules, engravings, etc.) for all items including conduits and raceways provided by this unit of work. Temporary labels and schedules are required for any panels and switchgear that are activated. Update labels as work is installed.

23. **Temporary Power and Lighting** – This Subcontractor will provide for temporary power and lighting to construction space for a minimum of 12 months. Temp power and lighting must be provided such that finishing work, equipment installation etc. can be performed until final MEP tie-ins can be completed. This will include power to all temporary HVAC equipment, trailer, fence lighting, jobsite entrance lighting, negative air machines temp power outlets for all trades in expansion area and renovated areas. Temp power outlets during expansion and renovation must be per OSHA and Whiting-Turner safety requirements no knock out boxes are allowed.

24. **Temporary Utilities** – This Subcontractor will install, or make coordination with appropriate utility provider for installation of temporary electrical/ low voltage utilities as specified in the project manual and contract documents. Power to existing spaces must be maintained.

25. **Demolition of Utilities**- This Subcontractor will demolish, or make coordination with appropriate utility provider for demolition of electrical/ low voltage utilities as specified in the project manual and contract documents. This Subcontractor will remove and safeguard existing light poles for use at end of project. Additionally this Subcontractor has accounted for temporary power demolition upon project completion.

26. **Protection** - This Subcontractor shall be responsible for identification and protection of all work that will remain exposed after installation. Costs to repair or replace inadequately protected work that becomes damaged shall be borne by this Subcontractor.

27. Furnish and provide a complete and turn-key installation all electrical equipment, but not limited to:
   a) Switchboards
   b) Meters
   c) Panels
   d) Lighting
   e) AV and Netcom Equipment
   f) Lift Stations
   g) Data Hand holes
   h) Conduits, ducts, and cross boxes
   i) Power poles, risers, and masts
   j) Fire alarm
   k) Utility Markers
   l) Fiber
   m) Power to Temporary HVAC and Negative Air Machines
   n) Testing and recertification of existing systems will be provided

28. **Arc Flash** - Provide coordination study, arc flash study and provide labels for all equipment included in this bid package.

29. **Coordination** - Coordinate all power requirements with Mechanical and Plumbing drawings. Identify all discrepancies at submittal time.

30. **Coordination (Controls)** - Coordinate with Controls Contractor for interface between electrical equipment and Building Automation System. Coordinate Fire Alarm & Security System interface with Building Automation System. Provide breakers for Building Automation System. Provide power and wiring to all motorized dampers, including fire, smoke and fire/smoke dampers.
31. **VFDs** - Install VFDs and starters furnished by others for equipment provided. Provide disconnects shown on contract documents, disconnects not shown on documents will be furnished by others and installed by this Subcontractor. Provide all fuses for disconnects provided by others.

32. **Components Wiring** - Wire all equipment provided by others including owner furnished equipment. This includes wiring between components packaged separately (e.g. gas pressure alarms, skid mounted equipment split for shipment, etc.).

33. **Sealing** - Provide sealing of devices, boxes and conduits installed under this scope.

34. **Connections** - Provide electrical connections to all equipment new or existing as required by project manual and contract documents.

35. **Lock Out Tag Out** - Notify ALL construction personnel on site of any electrical energizing, de-energizing and tie-in work. Notify Whiting-Turner and the Owner's Representative 48 hours prior to performing this work.

36. **Provide permanent lighting** - as required by project manual and contract documents. Include light fixtures shown on all drawings, not just electrical.

37. **Provide site lighting** - This Subcontractor will additionally be responsible for all finished site lighting, poles, bases, and grounding.

38. **Fire Alarm** - Provide for Fire Alarm System as required by the contract documents including testing and recertification of existing system.

39. **Cleaning** - Subcontractor shall be responsible for cleaning and certification of the electrical system as required by contract documents and codes. Provide cleaning of inside of panels and gear before turnover.

40. **Misc Electrical** - This Subcontractor shall carry an allowance of $50,000 to cover misc. movement of electrical, telecom, fire etc. services that may be required to allow for follow on work. This allowance will be utilize when movement of service is not shown on the contract documents, but required for other trades. Unused portions of this allowance will be returned to the CM via deductive change order.

41. **Testing** – This Subcontractor shall be responsible for all testing of systems installed under this scope of work including testing and recertification of existing systems where work from this scope ties in. Provide factory testing and third party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and Whiting-Turner. Provide multiple testing of installations as required to meet the project schedule.

42. **Commissioning**: Provide commissioning support including but not limited to the following:
   a) Completion of commissioning documentation
   b) Attendance in commissioning meetings when directed by Whiting-Turner
   c) Onsite support during functional testing
   d) Onsite support to resolve any commissioning issues with installed work

43. **Site Conditions** – All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If Whiting-Turner is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.

44. **Traffic Control** – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the
Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

45. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

46. **Appropriate Common Requirements:**
   a) Off Hours Work - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/weekends/etc. All Subcontractors will account for this work for any and all of their scopes.
   b) ICRA - ILSM: This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.
   c) Badging Identification - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.
   d) General healthcare experience - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

**END OF SPECIFIC SCOPE**
UNIVERSITY OF KENTUCKY – BRACHYTHERAPY EXPANSION
UK Project No. 2457.0

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
BRACHYTHERAPY EXPANSION

Subcontract 31A – Excavation & Shoring

Project No. 2457.0 Project Title: UK Brachytherapy Expansion
Purchasing Officer: Mike Mudd

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Date: ____________________________

Telephone: ____________________________

TO: BID CLERK

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

INVITATION TO BID: CCK-2269-18

BID OPENING DATES: 13 February 2018

TRADE CONTRACT DESCRIPTION: Excavation and Shoring

TRADE CONTRACT NO.: 31A

TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. ____________ DATED ____________
ADDENDUM NO. ____________ DATED ____________
ADDENDUM NO. ____________ DATED ____________
ADDENDUM NO. ____________ DATED ____________
ADDENDUM NO. ____________ DATED ____________

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)
FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);

2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;

3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;

4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;

5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;

6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.

7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.

8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.

9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY_________________________ TITLE_________________________
PRINT NAME_______________________ FIRM_________________________
ADDRESS_________________________ PHONE ( )_____________________
PHONE ( )_________________________ FAX ( )_______________________
CITY STATE ZIP CODE DATE_____________________

Work Category – 31A Page 2 of 17
Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.
LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2269-18 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF ________________________________ (USE WORDS)

________________________ DOLLARS AND ___________________ CENTS. (USE WORDS)

(USE FIGURES)

BID ALTERNATE1:

Provide deductive alternate for savings associated with performing traditional rock removal in lieu of Chemical Rock Fracturing

FOR THE DEDUCTIVE SUM OF ________________________________ (USE WORDS)

________________________ DOLLARS AND ___________________ CENTS. (USE WORDS)

(USE FIGURES)
BID ALTERNATE 2:

Provide alternate for using hydro-vac for complete excavation of the expansion area.

FOR THE ADDITIVE SUM OF ________________________________ (USE WORDS)

____________________ DOLLARS AND ___________________ CENTS. (USE WORDS)

(USE FIGURES)

($_______________________) (USE FIGURES)
BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database. Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

(01) ___ Small Business                (05) ___ Woman-Owned Small Business
(02) ___ Large Business               (06) ___ Woman-Owned Large Business
(03) ___ Disadvantaged Small Business (07) ___ Disadvantaged Woman-Owned Small Business
(04) ___ Disadvantaged Large Business (08) ___ Disadvantaged Woman-Owned Large Business
(09) ___ Other

DEFINITIONS

(01) SMALL BUSINESS: A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.

(02) LARGE BUSINESS: A business concern that exceeds the small business size code standards established by SBA.

(03) DISADVANTAGED SMALL BUSINESS: A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.

(04) DISADVANTAGED LARGE BUSINESS: A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.

(05) WOMAN-OWNED SMALL BUSINESS: A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.

(06) WOMAN-OWNED LARGE BUSINESS: A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.

(07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.

(08) DISADVANTAGED, WOMAN OWNED LARGE BUSINESS: A concern that meets the definition of both (04) and (06) above.

(09) OTHER: A concern that does not meet any of the above definitions.
THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.

2. List of Proposed Subcontractors and Unit Prices. (if required)

3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.

4. List of Materials and Equipment.

5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

   (Nine Digit Number)

BIDDER’S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.
UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any Subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>COST PER UNIT</th>
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<tbody>
<tr>
<td>Excavation</td>
<td>CY</td>
<td></td>
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<td>Spoil Removal</td>
<td>CY</td>
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<td>Shoring System</td>
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<td>Backfill</td>
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<td>Flowable Fill</td>
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<td>Dumpsters</td>
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<td>Landscape Backfill</td>
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<tr>
<td>Rock Removal</td>
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PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All Subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

*The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.*

*The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.*

Provide the address, phone number and contact information for the following Subcontractor/suppliers:

<table>
<thead>
<tr>
<th>DIVISION OF WORK</th>
<th>NAME AND ADDRESS OF SUBCONTRACTOR</th>
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LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>MANUFACTURER/SUPPLIER</th>
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents’ qualifications and or past projects.

List the Superintendent’s Name

Revised 3/22/06
TRADE CONTRACT – 31A – Excavation & Shoring

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor’s execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit 31A – Excavation and Shoring

This work shall include all items indicated in Section A: General Scope of Work, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

- Division 1 – General Requirements
- Division 2 - Existing Conditions
  - 024119 - Selective Demolition
- Division 3 - Concrete
  - 030300 - Structural Excavation and Backfill (as it pertains to this scope of work)
- Division 5 – Metals
  - 055000 - Metal Fabrications
  - 051000 - Structural Anchors
- Division 12 - Equipment
  - 129300 - Site Furnishings
- Division 13 - Special Construction
  - 134900 - Radiation Protection (as it pertains to this scope of work)
- Division 31 – Earthwork
  - 316613 – Soil Stabilization/Underpinning System
  - 316513 - Micropiles
- Division 32 – Exterior Improvements
  - 312319 - Dewatering
  - 321313 - Concrete Paving
  - 321373 - Concrete Paving Joint Sealants
  - 321400 - Unit Pavers
  - 329200 - Turf and Grasses
  - 329300 - Plants
- Division 33 – Site Utilities
  - 334100 - Storm Utility Piping
  - 334600 - Subdrainage

***Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.

1. Scope of Work – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. This Subcontractor will generally perform the following work which will include but not be limited to:
a) Excavation and shoring of the general work area  
b) Rock Excavation  
c) Selective site demolition  
d) Abandoned utility demolition  
e) Backfill  
f) Subgrade prep  
g) Sanitary and storm relocation  
h) Sanitary and storm pump around equipment and monitoring  
i) Shoring of existing in use utilities (telecom ductbank)  
j) Removal of shoring system  
k) Excavation Access  
l) Utility marker placement  
m) Asphalt paving and patching  
n) Concrete curb and gutter  
o) Landscaping demolition  
p) Landscaping  
q) Landscape paving and masonry  
r) Planter boxes benches etc.  
s) Tree removal and replacement  
t) SWPP control, plan, and reporting requirements  
u) Temporary walls and entrances  
v) Rock Anchors/ Micropiles  
w) Metal Grates  
x) Sidewalks – Temporary and Permanent  

2. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.

3. **Erosion Control** – This Subcontractor shall be responsible for implementing and maintaining all erosion control methods necessary for the project in accordance with the Contract Documents, including the SWPPP specifications, or added per LFUCG or State inspectors, for the entire duration of this project. Specifically, this Subcontractor shall be responsible for all Temporary Erosion and Sediment Control as set forth in the Contract Documents. All erosion control shall be checked at the end of each day and shall be fixed if problems do occur during this Subcontractor’s scope of work. Erosion control will be checked after every rain/weather event throughout the duration of this work. Maintenance and removal of silt fencing and other erosion control measures after this Subcontractor demobilizes form the site will be by others. This Subcontractor will maintain a log of all erosion control inspections, outcomes, modifications, changes, etc. to be located at the Construction Manager’s job trailer. This Subcontractor has included for temporary controls as required during installation of site utilities.

4. **Retention Systems & Bracing** – This Subcontractor shall submit to the project manager for approval, a system for retention and bracing of the excavated area for the duration of the project. Special care should be paid to the shoring and retention of existing duct banks on the south side of the excavation area. This Subcontractor has included for all retention systems sheeting and bracing in accordance with the Contract Documents. This includes but is not limited to all engineering, materials, excavation, shores, bracing, tiebacks, cast-in-place concrete, structural steel, wood lagging, dewatering, temporary enclosures, warranties, and installation thereof. This Subcontractor has included for any necessary permitting required for the retention systems as noted by the Contract Documents, City, and State regulations. This Subcontractor has also included final removal and de-tensioning of tiebacks, shoring system shall be removed a minimum of 5’ below finished grade. Subcontractor shall design/ engineer shoring system to allow for installation of other trades scope.

5. **Location of Existing Utilities** - This Subcontractor shall locate all existing utilities by means of hydro-vac, badger or similar means. Micropile, soil nail or other similar system will be used to shore the existing telecom
ductbank. hydro-vac will be used to ensure no part or parts of the shoring system will damage the existing ductbank.

6. **Shoring of Existing Utilities** - This Subcontractor shall be responsible for locating existing utilities within the excavation and shoring limits and will provide sufficient shoring per details to ensure continued service of these utilities while work is performed under and around them. General protection of these utilities is the responsibility of this Subcontractor.

7. **Tree Protection, Removal and Replacement** – This Subcontractor shall provide all tree protection and removal as required and per contract documents. This Subcontractor shall follow all specifications as they pertain to tree protection. Additionally, this Subcontractor has accounted for all tree replacement as called for in the project documents.

8. **Landscaping** - This Subcontractor has accounted for all final landscaping to include but not limited to: memorial marker replacements, mulching, graveling, paving, planting, etc. as may be required to return the site to a pre-disturbed condition as per the contract documents. **This Subcontractor will survey** the existing site prior to bidding to ensure complete understanding of this scope item. This will include removal storage and replacement of all pavers and landscape masonry.

9. **Clearing & Grubbing** – This Subcontractor shall be responsible for cutting and removing all trees and stumps that are needed. This Subcontractor shall coordinate this process to provide minimal disturbance to surrounding neighbors. This Subcontractor shall follow all specifications as they pertain to tree protection. The Subcontractor shall strip vegetation, topsoil, roots and other unsuitable material to a depth determined by the Structural testing/Inspection Agency.

10. **Road Closure** – This Subcontractor will provide for all permitting, signage, notification, etc. as required to close Hospital Avenue and provide for detours and signage along Rose St. for the duration of the project as called for in the site logistics plan. This Subcontractor will provide temporary roads, stops, intersections as are called for in the site logistics plan. Additionally, this Subcontractor will provide for removal of temporary items and return the site to a preconstruction condition.

11. **Selective Site Demolition** – This Subcontractor will be responsible for clearing and removing all sidewalks, curbs, asphalt, gravel, gutters, existing debris, retaining walls, etc. needed. This Subcontractor has included for any necessary saw cutting, hand demolition, or further revision of means and methods as required to minimize vibrations to adjacent occupied structures prior to heavy demolition or excavation work in order to provide an isolation buffer zone between the work area and the existing structures. All asphalt cuts will be saw cut such that they may be cleanly re-patched or paved back to. No “cold patching” will be allowed. This Subcontractor will account for salvage of all paving stones as required or replace pavers with new material.

12. **Excavation** – This Subcontractor shall perform site excavation to the depths and limits on the drawings and as specified herein, including all necessary rock removal.

   a) **Work for Others**: This Subcontractor will excavate to the extent required by all Subcontractors working within the limits of the expansion, footers, walls, under slab plumbing, lift stations, manholes. Additionally, this Subcontractor will excavate in such a manner as to provide general access to the site via ramp as called out for in the site logistics plan. This Subcontractor will coordinate excavation with all Subcontractors to ensure proper excavation for follow on work. Ramp to be provided by this Subcontractor will be rock stabilized and maintained for duration of project.

   b) **General Order of Work**: The work will conform to the following general order. This Subcontractor will excavate to the fullest extent required for all Subcontractors. Under slab plumbing and footers will be installed first. This Subcontractor will then backfill to such extent to allow for slab and wall pour preparation. Once slabs and wall are cured the topping slabs will be poured in sequence to continue to allow access to various areas. As backfill is available this Subcontractor will provide final backfill in multiple mobilizations and gradually phase in landscaping as available. Upon final pours, waterproofing, etc. This Subcontractor will provide final backfill, landscaping, paving, etc. to close out the project.
Method of Rock Removal: This Subcontractor is aware that this is an existing treatment space for high risk patients. Due to this chemical rock fracturing or other means of removal may be necessary to avoid the sound and dust impacts of traditional Hoe-Ram methods of removal. This Subcontractor has accounted for costs associated with special rock removal methods including off-hour work, and if not required will provide appropriate credits to the University upon project completion.

13. Subgrade Prep – This Subcontractor shall be responsible for all subgrade prep. This Subcontractor will make proper coordination with other Subcontractors to ensure appropriate subgrade for all duct banks, steam tunnels, chilled water lines, communication lines, low voltage lines, man holes, pull boxes, asphalt and concrete paving, and stair tower foundations.

14. Foundation Excavation – This Subcontractor will excavate next to existing foundations and treatment areas. Great care should be taken to not damage these foundations or their associated waterproofing. This Subcontractor has accounted for all hand excavation as may be required to achieve this. Additionally, this Subcontractor will provide for immediate repair of existing waterproofing should the existing foundation waterproofing become damaged in any way during excavation or construction. For new foundations created during the course of construction a minimum of 3 feet from outside face of foundations will be maintained. Additionally, new waterproofing surfaces will be protected from damage during backfill and immediate repair will be available during backfill. This Subcontractor will at a minimum of 3 feet of clearance from shoring systems etc. to all walls for clearance for follow on Subcontractors.

15. Hand railing – This Subcontractor will provide site handrails as required per the safety plan and for stairs etc. Handrails will be inspected twice daily and repaired as necessary.

16. Finished Grades – The Subcontractor is responsible for the importing/exporting of material to achieve the appropriate finish grades. This Subcontractor is also responsible for all slope protection required as per the OSHA Safety requirements.

17. Encountering Groundwater – This Subcontractor shall provide dewatering of any groundwater if encountered during excavation and fill operations. The Subcontractor shall also be responsible for all temporary and permanent dewatering needed for construction.

18. Protection – The Subcontractor shall coordinate and do his grading work in a way that protects existing grades, subgrades, and fills from surface water. All de-mucking and pumping of surface water from excavations, if necessary, is part of this work. Additionally this Subcontractor will provide for the protection of overhead electrical in the project area.

19. Stockpile – This Subcontractor will be responsible for all stockpiling, hauling off, and hauling in materials needed to complete the necessary scope of work. Stockpiles are to be placed in locations such that they do not affect other Subcontractor’s work. This Subcontractor understands that as there is little to no staging area, the vast majority or all of the spoils will need to be removed from the project site and has accounted for such.

20. Construction Entrances – This Subcontractor shall maintain a stone stabilized entrances and access ramps while working on this site. This stone entrances area shall contain some type of drainage system to avoid buildup of water. This Subcontractor is to maintain control measures by mucking out and disposing of sediment as needed. Removal and disposal of all control measures and construction entrances at the end of the project will be by others. This Subcontractor has accounted for a minimum of 4 stone stabilized construction entrances. This Subcontractor has included all woven geo-fabric and 8” of compacted stone at job site entries, loading dock access drive, and loading dock. Additionally this Subcontractor shall provide for wash-down stations for all vehicles entering and leaving the site. Where rock entrances may no be required due to existing asphalt being sufficient this contractor will include a milling a repaving of the entrances and logistics space to return to a like new condition.

21. Temporary Walls - Temporary watertight, and HVAC containing site walls will be required on this project constructed in such a way as to provide access to the subterranean construction but maintain a negative
temperature controlled environment within the construction space. Refer to site logistics plan for additional details.

22. **Radiation Shielding** - Construction will require shielding of an existing treatment space as shown on the site logistics plan. This Subcontractor will provide for adequate shielding of this site so as to allow safe access to the site during all phases of construction. This Subcontractor will submit for approval the shield plan to the CM Project Manager and University Physicist for final approval before installing. Additionally, special soils haul off and destruction may be required per Hazmat requirements. This Subcontractor has accounted for all potential costs associated with soil remediation.

23. **Storm and Sanitary Relocation** – This Subcontractor will be responsible for all storm line and sanitary line relocation as indicated on the construction drawings. All testing, inspection, permits, etc. for this work will be the responsibility of this Subcontractor. Additionally, this Subcontractor is responsible for all sump line hookups to storm drainage for all manholes. This Subcontractor shall be responsible for furnishing and installing all components for the complete and workable installation of the storm and sanitary sewer systems as required by the contract documents. Examples of complete and workable installation are as follows but is not limited to:

   a. The Subcontractor will install and or adjust required utility manhole tops to match proposed grade.
   b. The Subcontractor will flush and clean the storm and sanitary sewer systems at the completion of the work.
   c. The Subcontractor will connect to existing storm & sanitary structures as needed.
   d. Existing Utility survey will be completed by this Subcontractor and potholing of utilities will also be performed before excavation
   e. All sanitary, and storm waste will be in place and properly connected prior to tie in of existing lines.
   f. This Subcontractor has included all pump arounds necessary for all tie-in and switch over work.
   h. This Subcontractor has included all mechanical restraints and or thrust blocks as required or needed.
   i. All temporary restraints or bracing as needed for existing active utilities in order to install adjacent new utility lines.
   j. This Subcontractor has included for all sump to storm drainage hookups required for each manhole.

24. **Temporary Collection of Existing or Disturbed Storm Systems** - This Subcontractor shall be responsible for all temporary diversion of storm water from all the existing and/or disturbed storm systems.

25. **Backfill** – This Subcontractor shall be responsible for backfilling all work, foundation walls, site retaining walls, etc. This shall be done in lifts, in coordination with the waterproofing and other affected Subcontractors. The Subcontractor will be aware that back fill will have to be coordinated such that finalizing work at different levels can be achieved before total backfill of trenching is accomplished. This Subcontractor is responsible for coordination with various Subcontractors to accomplish this. Backfill material, warning tape, finished grades etc. will be per the contract documents.

26. **Asphalt Paving** – This Subcontractor will be responsible for all asphalt paving as specified in the contract documents, as well as any and all patching required to return the site to pre-disturbance conditions. Manhole covers will be provided by this Subcontractor and this Subcontractor will ensure proper elevation of cover within finished elevation of asphalt. This will include a re-milling and paving of the area inside the construction logistics area to include re-milling and re-paving of all areas disturbed by traffic in and out of the construction space.

27. **Concrete Curb and Gutter** – This Subcontractor will be responsible for all concrete curb and gutter as specified in contract documents or as required by code.

28. **Site Conditions** – All other existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If Whiting-Turner is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to
damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.

29. **Subsurface Conditions** – A copy of a subsurface investigation of the site is attached to this packet. The data is not intended as a representation or warranty of the continuity of such conditions. Owner will not be responsible for interpretation or conclusions drawn there from by the Trade Contractor. The Subcontractor may examine the site and make his own subsurface explorations at no additional cost to the Construction Manager or Owner. Notify the Construction Manager prior to making any subsurface explorations.

30. **Dewatering** - This contractor will maintain sump pumps such that the trench will remain dewatered for the duration of this and follow on Subcontractors work for the duration of each phase of construction and as required by the project manager.

31. **Street Cleaning** – The Subcontractor shall maintain a safe and clean environment of all streets and sidewalks as a result of this scope of work. This Subcontractor shall ensure that vehicles and/or equipment do not track mud, dirt or dust onto adjacent streets or sidewalks. Any mud, dirt, or dust tracked onto adjacent streets and sidewalks shall be cleaned up immediately.

32. **Traffic Control** – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc. Additionally this Subcontractor will provide all permitting, flagmen, signs, etc. as required for the closure of Press Avenue as required for crossing utilities.

33. **Schedule / Weather** – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.

34. **Appropriate Common Requirements:**

   a) **Off Hours Work** - This project will involve work in and around existing treatment areas. Due to this any or all of this project scope may need to be completed during off hours/weekends/etc. All Subcontractors will account for this work for any and all of their scopes.

   b) **ICRA - ILSM:** This Subcontractor is aware of the special considerations for Infection Control and Interim Life Safety measures required in construction around existing treatment spaces and has provided for additional measure and methods that may be required to protect patients from construction operations.

   c) **Badging Identification** - This Subcontractor is aware that security badging is required for all personnel needing site access. This Subcontractor will be responsible for individually required security access badges and all costs associated.

   d) **General healthcare experience** - this Subcontractor will provide to the CM proof of at least 3 years of healthcare construction experience in the last five years of operations. Rejection of bid may be made solely on the basis of experience. Additionally Subcontractor will indemnify and hold harmless the University and Whiting-Turner from any bid protest or protest of procurement process if rejected on the basis of experience.

**END OF SPECIFIC SCOPE**
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<tr>
<th>NAME</th>
<th>NO.</th>
<th>ROOF AREA(S)</th>
<th>TYPE ROOF</th>
<th>ROOF AGE DAYS</th>
<th>WARRANTY NUMBER</th>
<th>WARRANTY TERM FROM</th>
<th>TO</th>
<th>CURRENT EXPECTED LIFE THRU</th>
<th>CONTRACTOR</th>
<th>MANUFACTURER/WARRANTOR</th>
<th>CONSTRUCTION SPECIFICATIONS</th>
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<tbody>
<tr>
<td>Chandler</td>
<td>293</td>
<td>Ambulant RF301 &amp; RF402: Chandler RF401</td>
<td>Foam</td>
<td>826</td>
<td>2.5</td>
<td>6911</td>
<td>7/15/2015</td>
<td>7/15/2035</td>
<td>Valid</td>
<td>7/1/2050</td>
<td>Insulated Roofing</td>
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In the photo below, Area 7 includes RF301 and RF402. RF402 is in the inside corner of RF301. Area 4 is RF401.
<table>
<thead>
<tr>
<th>No.</th>
<th>Question</th>
<th>Answer</th>
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<tbody>
<tr>
<td>1</td>
<td>What is the budget for 23 A Mechanical and Plumbing.</td>
<td>WT Lowest responsible bidder will be the mechanical budget</td>
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<td>Below, I have provided my question in regards to two walls types. Please advise. These wall types are not on the partition pages. Can you please advise? Page A-401 is where these two are located.</td>
<td>JRA Wall Type 91A is 5/8” gypsum board over 7/8” hat channels. Wall type 91F on sheet A-701 will be revised to read 91A. See the to-be-issued Design Team addendum.</td>
</tr>
<tr>
<td>2</td>
<td>You have two different completion dates 31 months on page AB-2 and 451 days on special conditions page 3 article 6.00. Please advise which is correct.</td>
<td>WT The completion duration on AB-2 is an oversight and is an error. Overall schedule should be by the bid schedule provided.</td>
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<td>Written Questions and Answers – Page 2 of 23</td>
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<td>4</td>
<td>The construction manager is paying the sewer tap fee correct?</td>
<td>WT</td>
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<tr>
<td>5</td>
<td>Special conditions page 30 articles 42.2.1, 42.2.3 &amp; 42.2.5 applies to all bidders or just the construction manager?</td>
<td>WT</td>
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<tr>
<td>6</td>
<td>Form of proposal for 23A page 7 of 16. The unit prices do not have enough information to provide accurate pricing. Please provide sizes / materials for all unit prices.</td>
<td>WT</td>
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<tr>
<td>7</td>
<td>Does the existing roof have any warranty remaining? If yes, please provide their contact information.</td>
<td>UK/JRA</td>
</tr>
<tr>
<td>8</td>
<td>Is duct cleaning required on this project for all the new ductwork?</td>
<td>WT/JRA</td>
</tr>
<tr>
<td>9</td>
<td>Which bid package 23A or 31A performs the sanitary &amp; storm sewer piping shown on print C100, C101, L100 &amp; L101?</td>
<td>WT</td>
</tr>
<tr>
<td>10</td>
<td>Please provide a specification for the ro pipe and fittings.</td>
<td>CMTA</td>
</tr>
<tr>
<td>11</td>
<td>Can you provide the invert elevations for the 8” &amp; 4” sanitary sewer lines that tie into SP-1?</td>
<td>CMTA</td>
</tr>
<tr>
<td>12</td>
<td>Does package 31A remove all the rock for the new interior sanitary sewer lines installed by 23A?</td>
<td>WT</td>
</tr>
<tr>
<td>13</td>
<td>Can package 23A hoe ram any rock excavation or do we need to use the chemical rock excavation procedures as well?</td>
<td>WT</td>
</tr>
<tr>
<td>14</td>
<td>On drawing ESS1.0 I find seven video surveillance camera symbols. Two of them are in a lighter shade. Does that mean they are pre-existing cameras meant to stay or are they new cameras as well?</td>
<td>CMTA</td>
</tr>
<tr>
<td>15</td>
<td>Are there plans to install patient lifts in the Brachytherapy Expansion Project?</td>
<td>JRA</td>
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<td></td>
<td>Written Questions and Answers – Page 3 of 23</td>
<td>and CT Vault Room N61C. See layout of lifts on RCP sheet A-121, and equipment Tag EQ-20 &amp; EQ-69. These lifts shall be vender provided and vender installed. Also, see equipment note #29 on sheet A-401. CM and contractors shall accommodate and coordinate install.</td>
</tr>
</tbody>
</table>
| **16** | Formal request for product substitution consideration on the Brachytherapy Expansion General Requirements and Work Categories - Bid Package #1 Project. We are submitting our **AIR-SHIELD™ LSR Liquid Membrane Air/Vapor and Liquid Moisture Barrier** for your consideration.  

JRA  
Per the ‘W.R. Meadow Alternate Request’ dated 1/17/2018, **AIR-SHIELD™ LSR Liquid Membrane Air/Vapor and Liquid Moisture Barrier** is considered an acceptable alternate product for Specification Section 072726-Fluid-Applied Membrane Air Barriers. —(Note: For clarity/confirmation, this product is not an acceptable substitute for waterproofing systems defined in Specification sections 071413 and 071416).  

We intend to bid Trade Contract 01A General Trades for the UK Brachytherapy Expansion project. The Form of Proposal for this scope of work, specifically Pages 11-14, describes the items for which this trade contractor is responsible. We wish to provide clarity to the scope of work by identifying the specific project specifications for which the General Trades subcontractor is responsible. Please confirm that the General Trades subcontract is limited to only the following:  

- 013233 Photographic Documentation  
- 013600-1 Infection Control Procedures  
- 013600-2 Infection Control Procedures  
- 013610-1 Interim Life Safety  
- 013610-2 Interim Life Safety  
- 024119 Selective Demolition  
- 061053 Miscellaneous Rough Carpentry  
- 064023 Interior Architectural Woodwork  
- 066116 Solid Surfacing Fabrications  
- 101419 Dimensional Letter Signage  
- 101423.13 Room-Identification Signage  
- 102123 Cubicle Curtain Track  
- 102600 Wall Protection  
- 102800 Toilet, Bath, and Laundry Accessories  
- 104413 Fire Protection Cabinets  

WT  
A schedule is provided for owner furnished equipment in the bid documents that should provide further clarity. All bidders are responsible for the totality of the bid documents. If there is belief that there is overlap with another trade’s responsibilities the bidding Subcontractor should read and understand that trade’s scope. It is confirmed that 01A is responsible for the aforementioned items, but may not be limited to those items per the 01A scope. Linear accelerator and CT are outside the scope of the 01A subcontractor. |
104416 Fire Extinguishers  
105113 Metal Lockers  
129300 Site Furnishings  
334100 Storm Utility Piping  
334600 Subdrainage  

Please confirm that the General Trades subcontractor is **not** responsible for installation of the following Owner furnished equipment:

- Linear Accelerator  
- Brachytherapy CT  

If additional specifications sections other than those listed above are to be incorporated into the General Trades subcontractor’s scope of work, please provide a listing of those specifications.

---

<table>
<thead>
<tr>
<th>18</th>
<th>Through closer examination of the trade packages, specifically Subcontract 09A and Subcontract 31A, we are operating under the assumption that the following scopes of work are included under either Subcontract 09A and Subcontract 31A and therefore shall not be included in Subcontract 01A. Please confirm.</th>
</tr>
</thead>
</table>
| | - 024119 Selective Demolition (Interior, A-000 and A-020) – Subcontract 09A  
- 024119 Selective Demolition (Exterior, L-100 and L-101) – Subcontract 31A  
- 061053 Miscellaneous Rough Carpentry – Subcontract 09A  
- 064023 Interior Architectural Woodwork – Subcontract 09A  
- 066116 Solid Surfacing Fabrications – Subcontract 09A  
- 101419 Dimensional letter Signage – Subcontract 09A  
- 101423.13 Room-Identification Signage – Subcontract 09A  
- 102600 Wall Protection – Subcontract 09A  
- 102800 Toilet, Bath, and Laundry Accessories – Subcontract 09A  
- 334100 Storm Utility Piping – Subcontract 31A  
- 334600 Subdrainage – Subcontract 31A  |

---

| 19 | Additional questions related to the Subcontract 01A scope of work are as follows:  
Is it the intent for the cost of scope of work Item 7, Safety Barricades, to be covered by the carpenter, laborer and material allowance as described in scope of work Item 6, Misc. Carpentry, or is the cost to construct, maintain |
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<tr>
<td></td>
<td>The trade packages reflect similarly. Ensure complete understanding of the trade packages you are interested in bidding. Specification responsibilities are listed in each trade. Each trade will be responsible for providing appropriate protection and barricades for the hazard they create per OSHA, UK, and WT safety requirements. It is the intent that any additional unforeseen barricades or safety</td>
</tr>
</tbody>
</table>
and remove the Item 7 Safety Barricades separate from the labor and materials allowances included in Item 6 Misc. Carpentry?

Please provide a detail for the type of washdown station required for scope of work Item 12, Washdowns.

The Subcontract 01A scope of work includes the cost for consumption fees for temporary utilities for the entire project. Please provide the following anticipated utility consumption totals during construction:

- Steam = _____ million BTU
- Chilled Water = _____ million BTU
- Electricity = _____ KWH

Please confirm whether or not Subcontract 01A shall include the cost for separate stand-alone utilities (separate from the Owner existing on-site utilities) during construction for the following or if these utilities will be provided via the Owner’s existing systems:

- Domestic Water
- Gas
- Internet

Scope of work Item 24, General Clean-up, requires two (2) personnel daily to provide general site clean-up. Is it required for the clean-up personnel to be on-site full-time for the entire duration of construction or is the personnel required on a less frequent basis?

In the pre-bid meeting, it was noted and reinforced by the CM that each subcontractor is required to have full-time supervision on-site while that subcontractor is performing work. Subcontract 01A requires a full-time carpenter and a full-time laborer to be on-site for the duration of the project to work at the CM’s discretion. As such, please confirm that the subcontractor performing the Subcontract 01A scope of work shall also have a full-time superintendent on-site for the duration of the project to oversee the full-time carpenter and full-time laborer (See Scope of Work Item 6, Misc. Carpentry for details).

Subcontract 01A scope of work Item 14, Jobsite Trailer and Furnishings, requires the subcontractor to not only provide the CM’s jobsite trailer but to also provide office furniture, chairs, a flat screen TV, janitorial

<p>| WT | Allowance will not be assigned as the office supplies mentioned will be further defined as basic office supply set for four persons for 1 year. The cost of these items is |</p>
<table>
<thead>
<tr>
<th>Written Questions and Answers – Page 6 of 23</th>
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</thead>
<tbody>
<tr>
<td><strong>services and provide the CM’s office supplies</strong></td>
</tr>
<tr>
<td>(“printer ink, paper, office supplies”). Is this correct.? If so, the CM needs to provide greater information on the office supplies that it will require over the course of the project. Since the office supplies are not defined, perhaps they should assign an allowance for their yet-to-be-determined cost.</td>
</tr>
<tr>
<td><strong>22</strong></td>
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<tr>
<td>Will there be any sanitary sewer or water tap fees, since we are tying into an existing system? If so can these be by allowance?</td>
</tr>
<tr>
<td><strong>23</strong></td>
</tr>
<tr>
<td>Which trade package is responsible for the sanitary sewer tap fee?</td>
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<tr>
<td><strong>24</strong></td>
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<tr>
<td>Which trade package is responsible for the water tap fee?</td>
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<td><strong>25</strong></td>
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<tr>
<td>Do not see a specification for the WAGD piping?</td>
</tr>
<tr>
<td><strong>26</strong></td>
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<tr>
<td>No site domestic water shown on plans. Are we just tying into the existing building for water usage for this project?</td>
</tr>
<tr>
<td><strong>27</strong></td>
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<tr>
<td>C-100. Which trade package is responsible for the Lift Station shown?</td>
</tr>
<tr>
<td><strong>28</strong></td>
</tr>
<tr>
<td>C-100. Which trade package is responsible for the 8” sanitary sewer line shown connecting the existing 8” line and Lift Station?</td>
</tr>
<tr>
<td><strong>29</strong></td>
</tr>
<tr>
<td>C-100. Which trade package is responsible for the 16 ft. of 6” DI with backwater valve and Zurn Drain?</td>
</tr>
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<td><strong>30</strong></td>
</tr>
<tr>
<td>C-100. Which trade package is responsible for the 152 ft of 18” DIP line?</td>
</tr>
<tr>
<td><strong>31</strong></td>
</tr>
<tr>
<td>L-101. Which trade package is responsible for the sub surface demo shown on this plan sheet?</td>
</tr>
<tr>
<td><strong>32</strong></td>
</tr>
<tr>
<td>General Trades scope calls for GT contractor to provide temporary utilities to the site and the project trailers. Is the GT contractor responsible for connection and usage for all subcontractor trailers? Is the GT contractor responsible to provide internet service to the CM trailer and if so what level of service is required?</td>
</tr>
<tr>
<td><strong>33</strong></td>
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<tr>
<td>Please provide additional information on the size of trailer(s) required for CM offices. Is the <strong>WT</strong></td>
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<td>Question</td>
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<tr>
<td>BIM station the only computer equipment required?</td>
</tr>
<tr>
<td>Please confirm that all excavation required for the Concrete contractor 03A will be done by the Excavation contractor 031A</td>
</tr>
<tr>
<td>Reference is made to the &quot;pay-if-paid&quot; provision in the subcontract:</td>
</tr>
<tr>
<td>During underground plumbing operations, who will be responsible for de-watering during this phase of work? WC 23A Mechanical or WC 31A Excavation contractor?</td>
</tr>
<tr>
<td>The General trades scope make the General Trades contractor responsible for providing and installing metal lockers. Who is responsible for providing and installing the rest of the Division 10 and 11 items?</td>
</tr>
<tr>
<td>The General Trades scope makes the General Trades contractor responsible for installing Owner Furnished items which Spec Section 117000 refers to the Specialties &amp; Equipment Schedule in the plans. Which items fall to the responsibility of the General Trades contractor</td>
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<tr>
<td>Reference Trade Contract 03A – Concrete Bid Form Page #4 of 16 regarding the alternate for Xypex. Can a detailed description be provided that clearly identifies which specific concrete is to get the Xypex in lieu of Waterproofing?</td>
</tr>
<tr>
<td>Reference Trade Contract 03A – Concrete scope of work page 11 and the references to specification section #071413, 071416, 071800, 072100, 072726, 075700, 078413, 078443 and 079200. Should these references be further described as follows (as it pertains to this scope of work)?</td>
</tr>
<tr>
<td>Reference Trade Contract 03A – Concrete scope of work page 12 item #2C – Selective Demolition. Should this reference be further described as follows (as it pertains to this scope of work)?</td>
</tr>
<tr>
<td>Reference Trade Contract 03A – Concrete scope of work page 12 item #2J&amp;K. TC-03A is described as installing door frames, yet door frames are not included in the list of specifications for this package to include. What are the specification requirements for door frames to be provided or installed by TC-03A?</td>
</tr>
<tr>
<td>Reference Trade Contract 03A – Concrete scope of work page 12 item #2Q. TC-03A is described as providing Landscaping Masonry. Reference also item #27 on page #16. This scope indicates that Landscaping Masonry is by others. Which is correct?</td>
</tr>
<tr>
<td>Reference Trade Contract 03A – Concrete scope of work page 11 list of specifications and structural details i.e. detail #D/S-401. Note the Powers Wood Knockers shown on detail #D/S-401. We are not finding these Embeds specified. What are the specification requirements for these Powers Wood Knocker Embeds?</td>
</tr>
<tr>
<td>Reference Trade Contract 03A – Concrete scope of work page 11 list of specifications and structural details i.e. detail #D/S-401. Note the Powers Wood Knocker Embeds shown on detail #D/S-401. Which Trade Contractor is responsible for providing the Powers Wood Knocker Embeds per this and similar details?</td>
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<tr>
<th>Item</th>
<th>Question</th>
<th>Answer</th>
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<tbody>
<tr>
<td>67</td>
<td>Items. This scope of work item has several items that are contradicted in other parts of the scopes of work. Which Trade Contractor is responsible for providing Soil Stabilization?</td>
<td>WT The is an errant reference see above answers this scope has been updated in addendum 1</td>
</tr>
<tr>
<td>68</td>
<td>Reference Trade Contract 03A – Concrete scope of work page 14 item #1 – Specific Items. This scope of work item has several items that are contradicted in other parts of the scopes of work. Which Trade Contractor is responsible for providing backfill under Press Avenue?</td>
<td>WT See answer to 67</td>
</tr>
<tr>
<td>69</td>
<td>Reference Trade Contract 03A – Concrete scope of work page 14 item #1 – Specific Items. This scope of work item has several items that are contradicted in other parts of the scopes of work. Which Trade Contractor is responsible for providing road replacement at Press Avenue?</td>
<td>WT See Answer to 68</td>
</tr>
<tr>
<td>70</td>
<td>Reference Trade Contract 03A – Concrete scope of work page 14 item #1 – Specific Items. This scope of work item has several items that are contradicted in other parts of the scopes of work. Which Trade Contractor is responsible for providing?</td>
<td>WT Providing ?</td>
</tr>
<tr>
<td>71</td>
<td>Reference Trade Contract 03A – Concrete scope of work page 14 item #7 – Embeds. Is it the intent that the Mechanical and Electrical Contractors will be providing and installing their embedded items?</td>
<td>WT Each trade will provide their embedded materials to 03A and coordinate for correct placement with 03A before concrete placement.</td>
</tr>
<tr>
<td>72</td>
<td>Reference Trade Contract 03A – Concrete scope of work page 14 item #7 – Embeds. If it is not the intent that the Mechanical and Electrical Contractors will be and installing their embedded items, can a</td>
<td>WT See answer to 71. 03A is responsible for coordinating with affected trades to acquire their embeds and ensure correct placement.</td>
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<tr>
<td>Page</td>
<td>Question</td>
<td>Answer</td>
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<td>73</td>
<td>Reference Trade Contract 31A scope of work item #22 on page #15 regarding the possibility of Hazmat requirements. Are there similar Hazmat requirements that need to be included for within the TC-03A – Concrete scope of work?</td>
<td>WT There are not requirements for 03A with regards to Hazmat other than for usual protection from cementitious material.</td>
</tr>
<tr>
<td>74</td>
<td>Reference Trade Contract 03A scope of work item #7 on page 12. Since this Trade Contract does not have earthwork as part of its scope, is the Spoils being referred to meant to mean concrete spoils?</td>
<td>WT It is meant to refer to the contractor's own spoils and their removal from the site. Where 03A may not have properly coordinated for excavation soils disposal may be required to correct.</td>
</tr>
<tr>
<td>75</td>
<td>Reference Trade Contract 03A scope of work item #18e on page #15. We do not find any Planter Boxes on the drawings. What are the requirements for Planter Boxes if any?</td>
<td>WT Planter boxes are shown on landscape drawings.</td>
</tr>
<tr>
<td>76</td>
<td>Reference drawing #S-201 and tag note #2 applied adjacent to the Existing Chandler Building. This note refers to detail #H/A-551. We are not finding information on detail #H/A-551 detailing the new trench that aligns with the existing. What are the trench requirements at this location?</td>
<td>B+K/JRA The reference to an architectural detail may be disregarded. See architectural plan/tag notes for requirements. Match existing trench layout/size. Salvage portion of existing metal trench pan for reinstallation.</td>
</tr>
<tr>
<td>77</td>
<td>Reference detail #D/S-302 and similar details. This detail indicates to tie the new concrete wall to the existing concrete wall to prevent overstressing the existing wall. What are the sizing requirements for these ties?</td>
<td>WT/B+K Specification and notes on details put engineering requirements on 03A to determine sizing requirements, spacing etc. Formwork drawings must be signed and stamped by a PE in the State of Kentucky ensuring safety of formwork and existing walls. The note will be revised to the following: IN ORDER TO PREVENT OVERSTRESSING OF THE EXISTING WALLS DURING CONCRETE PLACEMENT, CONCRETE WALL FORMS MUST BE TIED TO THE</td>
</tr>
<tr>
<td>Written Questions and Answers – Page 14 of 23</td>
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<tr>
<td><strong>EXISTING WALLS AT REGULAR INTERVALS.</strong> <strong>FINAL DESIGN OF SYSTEM INCLUDING FORMWORK, TIES, AND ANCHORAGE TO EXISTING WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT FORMWORK DRAWINGS AND CALCULATIONS SEALED BY AN ENGINEER LICENSED IN THE STATE OF KENTUCKY FOR REVIEW. BASIS OF DESIGN FOR SYSTEM CONSISTS OF DAYTON SUPERIOR B12 ½”Ø COIL RODS @16” O.C. EACH WAY, EMBEDDED 6” IN ADHESIVE, COUPLED TO A3B1 COMBINATION TIES, WITH CONCRETE PLACEMENT RATE OF 7 FEET/HOUR AND TEMPERATURE OF 60°F.</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>78</strong></td>
<td>Reference detail #D/S-302 and similar details. This detail indicates to tie the new concrete wall to the existing concrete wall to prevent overstressing the existing wall. How often are these ties required?</td>
<td>WT/B+K</td>
</tr>
<tr>
<td><strong>79</strong></td>
<td>Reference drawing #S-202. What are the minimum depth requirements for slabs S2 - S6?</td>
<td>B+K</td>
</tr>
<tr>
<td><strong>80</strong></td>
<td>Looking at the door hardware schedule (087100), hardware set E05 indicates a card reader in the System Function description but does not list a card reader. If one is to be needed, should it be a long range reader as the door site has automatic door operators? Please clarify.</td>
<td>JRA</td>
</tr>
<tr>
<td>Q</td>
<td>Question</td>
<td>Answer</td>
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<tr>
<td>81</td>
<td>We would like to bid the Wood Doors for the Brachytherapy Expansion project. Request for Manufacturer Substitution for our preferred manufacturer, Oshkosh Door Company.</td>
<td>JRA Per the 'Substitution Request' dated 1/31/2018, submitted by The Atlas Companies, the Oshkosh Door Company is considered an acceptable alternate manufacturer for Specification Section 081416-Flush Wood Doors. –(Any submitted Oshkosh door(s) will be required to meet the project specifications.).</td>
</tr>
<tr>
<td>82</td>
<td>What trade category is responsible for div 5 work?</td>
<td>WT Div 5 responsibility is spread across multiple Subcontractors. Check spec responsibility in each specific scope.</td>
</tr>
<tr>
<td>83</td>
<td>What trade category is responsible for section 06 0660 and 06 4023?</td>
<td>WT Spec responsibilities are listed in each trade contractor. Both are the responsibility of 09A. Ensure review of all updated scopes in Addendum 1</td>
</tr>
<tr>
<td>84</td>
<td>Advertisement for Bids states that the project duration is 30 months substantial and an additional 30 days to final completion. Special Conditions state 421 days substantial and an additional 30 days to final completion. Please verify the correct duration for the project.</td>
<td>WT Advertisement for bid duration was an oversight and was published in error. See answers above. Only the bid schedule as part of the contract documents should be referred to in reference to project duration.</td>
</tr>
<tr>
<td>85</td>
<td>Documents state that all parking is offsite and the responsibility of each contractor, but in Special Conditions section 18.2 it discusses available parking at K lots with a permit. Will parking permits be available to contractors wishing to pay for parking in K lots?</td>
<td>WT No, there will be no parking authorized for trade contractor’s excepting vehicles needed to perform work onsite. All trade contractor’s vehicles must be approved to park onsite beforehand. Approvals will be routed through WT superintendent.</td>
</tr>
<tr>
<td>86</td>
<td>Is this project pursuing LEED status? If so what level of LEED certification (goal) must be achieved?</td>
<td>JRA No, this project is not pursuing LEED.</td>
</tr>
<tr>
<td>87</td>
<td>Are combination bids accepted or must each package be bid separately?</td>
<td>WT Each trade package must be bid separately</td>
</tr>
<tr>
<td>88</td>
<td>Logistics plan shows tower crane (if needed). Which trade package would be responsible for supplying and operating the tower crane (if needed)?</td>
<td>WT No tower crane will be provided at this time. Each trade must provide their own hoisting etc.</td>
</tr>
<tr>
<td>89</td>
<td>Trade package 01A lists the responsibility to provide the CM job trailer for the project, but does not give a layout or size.</td>
<td>WT Size etc. will be provided in revised addendum 1 scope and was addressed in previous questions.</td>
</tr>
<tr>
<td>Question</td>
<td>Response</td>
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</tr>
<tr>
<td>Please provide the size required and layout for the CM job trailer.</td>
<td>WT</td>
<td>Entire duration. WT may elect to not utilize these individuals during certain periods, but must be available at WT's discretion.</td>
</tr>
<tr>
<td>Trade package 01A lists the requirement for two personnel to be available for clean-up and ICRA maintenance. Will these two personnel be required for the entire duration of the project, start to finish?</td>
<td>WT</td>
<td>This is an ongoing requirement and is adequately spelled out in contract.</td>
</tr>
<tr>
<td>WT Subcontract agreement lists the requirements for providing personnel for a composite cleaning crew. How many days per week and for what durations of the project will this be required?</td>
<td>WT</td>
<td>The individuals specified in 01A can be utilized to meet this requirement.</td>
</tr>
<tr>
<td>If a composite cleaning crew is a requirement for the project, is trade package 01A responsible for providing additional personnel for the composite cleaning crew? Per 01A individual package write-up, the 01A package will already have two men on site daily for cleaning and ICRA monitoring.</td>
<td>WT</td>
<td>That is correct.</td>
</tr>
<tr>
<td>Trade package 09A states that the 09A package shall furnish and install all HM door frames in gypsum board. Trade package 08A states that it is responsible for furnishing all HM frames, to be installed by others. Is it the intent for 08A to provide HM frames in GWB and the 09A package to install those frames in GWB?</td>
<td>WT</td>
<td>That is correct.</td>
</tr>
<tr>
<td>Has a construction estimate been established for the project?</td>
<td>WT</td>
<td>Lowest responsible bidders for in each trade category will establish the budget.</td>
</tr>
<tr>
<td>Reference details #C&amp;D/S-401. Per these details, does the existing waterproofing require removal and the existing concrete require blast cleaning similar to the requirements found on detail #D/S-302?</td>
<td>B+K/JRA</td>
<td>Yes; and see reply to question #96.</td>
</tr>
<tr>
<td>Reference details #C&amp;D/S-401 and the associated architectural detail #E/A-353. What are the demolition and possible blast cleaning requirements for the existing waterproofing above the new supported slab per detail #E/A-353?</td>
<td>B+K/JRA</td>
<td>It is the intent that the existing concrete face above the location of the new supported slab shall also be blast cleaned as described on details #C&amp;D/S-401, to the required height of the new waterproofing ‘turn-up’; at least 1’-0” above the new concrete slab. Do not damage existing brick veneer or existing precast panel locations.</td>
</tr>
</tbody>
</table>
| Question | Reference Plan S-202, Section A/A-301, and enlarged section C/A-353. In general, new waterproofing shall cover entire new roof construction and entire west portion of the existing tunnel roof, and shall extend east 2'-0" minimum past the existing tunnel roof ridgeline located along column line B.5 at elevation 991'-5" +/-.

All project requirements and typical details shown on drawings for perimeter roof-to-wall conditions are also similarly applicable for roof-to-wall conditions over the existing concrete roof. The new fluid applied roofing materials shall overlap and be integrated with the existing-to-remain waterproofing, as required by the awarded new waterproofing manufacturer’s recommendations for proper compatibility, prep and adhesion/bonding with the to-be field verified existing waterproofing system. | JRA | There are no known conditions where waterproofing is required to extend above brick veneer locations. |
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<td>98</td>
<td>Reference details #B/A-353 and E/A-353. Note that in detail #B/A-353 the waterproofing does not extend above the bottom course of the existing brick veneer. Per detail #E/A353 the brick veneer is not shown. Are there any conditions where the waterproofing is required to extend above the bottom course of the brick veneer?</td>
<td>JRA</td>
<td>See reply to question #98</td>
</tr>
<tr>
<td>99</td>
<td>If so, what are the detail requirements for this condition?</td>
<td>JRA</td>
<td>See reply to question #97</td>
</tr>
<tr>
<td>Q</td>
<td>Reference &amp; Question</td>
<td>Response</td>
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<tr>
<td>101</td>
<td>Reference detail #L/S-401 and the scopes of work. Note the Steel Lintel indicated for the new wall openings. Which trade contractor is responsible for supplying and installing these lintels?</td>
<td>WT</td>
<td>Openings and their support is the responsibility of the 03A trade package.</td>
</tr>
<tr>
<td>102</td>
<td>Reference the scopes of work. We do not find a steel contractor as one of the trade categories. Is there a previously awarded package responsible for providing steel products?</td>
<td>WT</td>
<td>Division 5 requirements are spread among affected Subcontractors. Ensure complete understanding of specific scope. Especially specification requirement therein.</td>
</tr>
<tr>
<td>103</td>
<td>Reference tag note #1/S-202. This note begins with the words “after roof demolition”… We are not finding other instructions, limitations etc. for the existing roof demolition. What are the requirements, limitations, etc. for demolition of the existing roof?</td>
<td>JRA</td>
<td>The existing finished roofing/waterproofing over the entire west portion of the existing-to-remain concrete tunnel roof is required to be removed in order to accommodate the install of the new topping slab. ---Also see reply to question #97.</td>
</tr>
<tr>
<td>104</td>
<td>Reference tag note #1/S-202 and the scopes of work. This note begins with the words “after roof demolition” Which trade contractor is responsible for demolition of the existing roof?</td>
<td>JRA/WT</td>
<td>Trade responsible for finished condition of roof demolition is responsible. This is to be interpreted as where 23A has to install equipment 23A is responsible for complete installation to include roof demolition. Where 26A may be responsible for installation of equipment that causes roof demolition 26A will be responsible so on and so forth.</td>
</tr>
<tr>
<td>105</td>
<td>Reference tag note #1/S-202. This note begins with the words “after roof demolition”… Is there a similar requirement for temporary protection of this roof area once the roof is removed?</td>
<td>WT</td>
<td>Any trade contractor who must remove roof must be responsible for temporary protection</td>
</tr>
<tr>
<td>106</td>
<td>Reference tag note #1/S-202 and the scopes of work. This note begins with the words “after roof demolition”… Which trade contractor is responsible for temporary protection of the existing roof?</td>
<td>WT</td>
<td>See answer to 105</td>
</tr>
<tr>
<td>107</td>
<td>Reference Trade Category scope of work for 03A page 13 item #13 – first sentence. Is the basement room and wall demolition indicated per this note limited to the</td>
<td>WT</td>
<td>Concrete Demolition is called out for in multiple drawings. Major demolition is on Structural drawings through</td>
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<td>#</td>
<td>Question</td>
<td>Response</td>
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<td>108</td>
<td>Demolition as shown on the structural drawings only?</td>
<td>Minor demolition notes do not appear throughout the contract documents. Ensure thorough understanding.</td>
<td></td>
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<td>109</td>
<td>Reference Trade Category scope of work for 03A page 13 item #13 second sentence. Since the interpretation of this direction can vary greatly, what are the temporary sealing and waterproofing requirements per this statement?</td>
<td>WT Demolition of the existing CT space called to be removed on contract drawings is at the discretion of this contractor. The existing building must be completely protected from flooding and water damage during construction of the expansion space. It is WT's belief that concrete infill, and waterproofing of existing doorway will be required.</td>
<td></td>
</tr>
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<td>110</td>
<td>Reference Trade Category scope of work for 03A page 13 item #13 second sentence. What is the size of the one opening being protect?</td>
<td>WT Size of opening is adequately portrayed on drawings. Generally size of double hospital door entryway.</td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>Reference Trade Category scope of work for 03A page 13 item #13 second sentence. What are we protecting the one opening from? i.e. water, demolition/site clearing operations, etc.</td>
<td>WT Needs to be waterproofed to protect existing building while concrete pours etc. are completed in the expansion space.</td>
<td></td>
</tr>
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<td>112</td>
<td>Reference Trade Category scope of work for 03A page 16 item #31. The second sentence for this scope item indicates we are to include for “repairs” to the existing waterproofing. We are not finding a means to quantify what repairs may be needed. Can an allowance amount be provided for the repairs we should include for?</td>
<td>WT An allowance will not be necessary. This scope item refers to immediate repairs to damage cause by Trade contractor during construction of forms etc. no damage to existing waterproofing can be tolerated due to potential for flooding o existing spaces.</td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>Reference Trade Category scope of work for 03A page 13 item #25. Note that the majority of safety rails required will be installed on the supported slabs receiving waterproofing. Does our responsibility for providing safety rails cease at the point when waterproofing is installed or should we assume providing a second round of safety rails after the waterproofing is installed?</td>
<td>WT Only one set of safety rails will be required per this question. This answer will not eliminate OSHA requirements to the 03A trade contractor should they create an additional hazard.</td>
<td></td>
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<td></td>
<td>Reference Trade Category scope of work for 03A page 13 item #21. Is overcutting</td>
<td>WT Overcutting is not permissible</td>
<td></td>
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the concrete walls at the corners permissible or should “chainsawed corners” be included?

<p>| 114 | 024119 - Selective Demolition: Please reconfirm if trade contract 09A to include scope of work for specification section 024119 as it pertains to this specific scope of work, drywall and acoustical ceiling, only. Note, 024119 selective demolition is also listed under trade contract 03A - Concrete, 21A - Fire Suppression, 31A - Excavation and Shoring, 26A - Electrical, 23A - Mechanical &amp; Plumbing, and under misc. demolition for trade contract 01A general requirements | WT | The scopes make very clear that the trade responsible for the finished condition of what is being demolished is responsible for that demolition. I.E. if Acoustical Ceilings are being demolished the Acoustical Ceiling Tradesman will be responsible for that Demolition. If mechanical systems are being demolished the mechanical Subcontractor will be responsible. So on for all trade contractors. |
| 115 | 055000 - Metal Fabrications: Please clarify if trade contact 09a to include specification section 055000 as it is not specified under 09a's scope of work. Please indicate section 055000's scope of work for trade contract 09a to include, if required. Note, supplemental steel, sleeves, is called out in trade contract 026a and section 055000 is also listed under trade contract 31a. | WT | Where this specification is a direct part of a finished and complete installation of the major end item being installed by this contractor. This contractor will be responsible in part of 055000. |
| 116 | 061053 - Miscellaneous Rough Carpentry: Please clarify if trade contract 09a to include work for specification section 061053 as it is also listed under trade contract 01A as misc. carpentry, trade contract 03A as misc. carpentry, and trade contract 08a as wood blocking. Please indicate scope of work on section 061053 for trade contract 09a, if required. | WT | See Answer to 115. Where 06153 applies to each Subcontractor to provide a complete finished and installed major end item. Each Subcontractor will hold responsibility. |
| 117 | 064023 - Interior Architectural Woodwork: Please clarify if trade contract 09a to include any scope for section 064023 as mill work is called out for trade contract 01A. However, mill work is not specified under scope of work for trade contract 09a. Please identify scope of work for 09a if interior architectural wood work is required. | WT | See Answer to 116 |</p>
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<th>Page</th>
<th>Section</th>
<th>Question</th>
<th>WT Response</th>
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<tr>
<td>118</td>
<td>066116</td>
<td>Solid Surfacing Fabrications: Please clarify if trade contract 09a to include any scope for section 066116 as mill work is called out for trade contract 01A. However, mill work is not specified under scope of work for trade contract 09a. Please identify scope of work for 09a if solid surfacing fabrication is required.</td>
<td>Installation of prefabricated and owner supplied millwork to be performed by 01A 09A is responsible for any self fabricated millwork in the construction documents.</td>
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<td>119</td>
<td>078413</td>
<td>Penetration Firestopping: Please confirm if trade contract 09a to include any penetration firestopping as this specification section is also called out in trade contract 26a, 23a, 21a. Please clarify if trade contract 09a to include fire stopping as it pertains to top and bottom of metal stud framed drywall or perimeter mold of acoustical ceiling only.</td>
<td>Penetrations performed by other trades through 09A work will be fire-stopped by the trade penetrating 09A work scope. Where 09A may be responsible for fireproofing per the contract documents 09A will provide firestopping.</td>
</tr>
<tr>
<td>120</td>
<td>093013</td>
<td>Ceramic Tiling: Please identify scope of work for trade contract 09a as ceramic tiling is also listed under trade contract 09c and not listed under scope of work for 09a.</td>
<td>09A is only responsible for this spec item as it may pertain to a complete finished work by 09C interfacing with work performed by 09A. 09C is primarily responsible for Tiling.</td>
</tr>
<tr>
<td>121</td>
<td>093023</td>
<td>Glass Mosaic Tiling: Please indicate scope of work on section 093023 for trade contract 09a. It is not listed under scope of work.</td>
<td>This work is to be coordinated with 09C to ensure complete installation. This scope item only applies as it may pertain to work perform by 09C interfacing with work performed by 09A.</td>
</tr>
<tr>
<td>122</td>
<td>101419</td>
<td>Dimensional Letter Signage: Please confirm if trade contract 09a to include section 101419 dimensional letter signage as trade contract 01a includes specialties and equipment, trade contract 03a include misc. signage but 09a scope of work did not mention any signage. Please indicate if trade contract 09a to supply and install any Dimensional letter signage.</td>
<td>Confirmed.</td>
</tr>
<tr>
<td>123</td>
<td>101423.13</td>
<td>Room - Identification Signage: Please confirm if 09a to include room identification signage as trade contract 01a calls out specialties and equipment, trade contract 03a calls out misc. signage. It is not indicated under 09a scope of work. Please indicate if trade</td>
<td>09A is responsible for dimensional letter signage and room identification signage per scope. Where signage is indicated in other scopes this is for use by WT for safety and other discretionary signage.</td>
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<td>Written Questions and Answers – Page 22 of 23</td>
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<td>contract needs to provide and install any room identification signage.</td>
<td>that may be needed for the duration of the project.</td>
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<td><strong>124</strong></td>
<td><strong>102600 - Wall Protection:</strong> Please confirm if trade contract 09a to include entire section 102600 wall protection as 102600 is also listed under trade contract 09b. Please clarify wall protection items for 09a to exclude if any.</td>
<td>WT</td>
<td>Wall protection to be installed by 09A</td>
</tr>
<tr>
<td><strong>125</strong></td>
<td><strong>102800 - Toilet, bath, and laundry accessories:</strong> Please confirm if trade contract 09a to include supply and install of all toilet, bath and laundry accessories for section 102800.</td>
<td>WT</td>
<td>There is a specialties and equipment schedule that will provide additional clarity here, but overall yes 09A is responsible.</td>
</tr>
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<td><strong>126</strong></td>
<td>Division 14 - Conveying Equipment is unidentified. Please clarify.</td>
<td>WT</td>
<td>There is work associated with the existing dumbwaiter noted on the drawings. Ensure complete understanding of the work required for these notes.</td>
</tr>
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<td><strong>127</strong></td>
<td>Please clarify if trade contract 09a to supply and install hollow metal frame as trade contract 08a includes specification section 081213 - hollow metal frames and indicated to fabricate.</td>
<td>WT</td>
<td>09A will coordinate with 08A for installation of HM Frames in work performed by 09A. HM Frames to be provided by 08A</td>
</tr>
<tr>
<td><strong>128</strong></td>
<td>Please Confirm if trade contract 09a to supply access panels as it is indicated for this subcontractor to furnish and install but also indicated supplied by others.</td>
<td>WT</td>
<td>09A will coordinate for access panels to be installed in work performed by 09A but provided by others. Where not provided by others 09A will provide and install.</td>
</tr>
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<td><strong>129</strong></td>
<td>Please confirm if it’s necessary for trade contractor 09a to supply and install elevator/dumbwaiter door smoke system as this is not really drywall or acoustical ceiling related. Please provide items to exclude if any.</td>
<td>WT</td>
<td>09A will include for rework of Dumbwaiter System. from a CFMF standpoint. Smoke system to be excluded from scope.</td>
</tr>
<tr>
<td><strong>130</strong></td>
<td>In further review of the insurance requirements for the project I have discovered something that I believe needs clarification prior to bidding. In the Special Conditions section 42 Insurance / 42.2.3 states that the excess or umbrella liability insurance shall have a minimum of $100 million combined single limits for bodily injury and property damage for each occurrence in excess of the applicable limits in the primary</td>
<td>WT</td>
<td>In so far as the special conditions referenced may apply to the Subcontractors bidding these limits will be applied. These limits are primarily referring to crane and other type high risk operations. If Subcontractors will utilize cranes etc. these policies and limits will have to be provided</td>
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<td>policies. Is this requirement for subcontractors (bid package bidders) or is it a requirement for the Construction Manager only? The WT subcontractor agreement states that subcontractors shall have a 5 million umbrella coverage, which is in line with what is typically required on most projects. If the bid package contractors are required to carry a 100 million umbrella policy, it will add $150,000 + to each bid package if contractors are even able to obtain such policy.</td>
<td>per 42.2.1. Typically however Trade Subcontractors need only provide the insurance requirements listed in the WT Subcontract.</td>
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The Whiting-Turner Contracting Company

Memorandum

To: All Field Operations Personnel

From: Mark White - Senior EH&S Director

RE: Clarification regarding Romex being used as Temporary Wiring on Construction Sites

Electrical - Temporary Wiring

Flexible cords and cables must be approved for conditions of use and location 1910.305(g)(1)(i)

Permitted Uses. Flexible cords and cables shall be suitable for conditions of use and location. 1926.405(g)(1)(i)

Flexible cords used for temporary and portable lighting shall be designed for Hard or Extra-Hard Usage. Hard and Extra Hard Use is denoted by the following designations printed on the cord jacket – (types S, ST, SO, STO, SJ, SJO, SJT and SJTO).

Note: Romex is listed as NM not Hard or Extra Hard Use and therefore lacks use and service designations as required.

Romex must not be used to make up temporary lighting and or make up job made gang outlet panels.

Subcontractors are required to provide temporary wiring installations in compliance with applicable regulations.