

November 22, 2017

## Addenda #2

This Addendum has been issued to hereby be made part of the contractual Bid Documents. Any and all information provided within this Addendum is to provide clarification, revise, and or supersede contract document information. Bidders are required to acknowledge this addendum on provided bid form or bidder could be subject to disqualification from contract. For the purposes of this addenda and as noted below; the contractor shall read and interpret the following nomenclature herein: “DELETE” is to delete the drawings sheets or specifications in their entirety from the document set and remove reference to them from the sheet index. “REPLACE” is to remove the current drawing sheet or specification in its entirety from the document set and replace it with the corresponding updated sheet from the Architect’s attachment called “Bid Addendum 01”. It is the responsibility of the bidding contractor to read, understand, and abide by these directions or present questions otherwise in a timely manner.

### **Requests for Substitutions or Approved Equal Product Manufacturers**

1. No requests have been made as of this Addenda.

### **Following items are included with this addendum for use by bidding contractors:**

1. Clark Nexsen “Bid Addendum 01”
  - a. General Information
    - i. All work associated with the Atkins Library Building, Kennedy Building, and McMillan Greenhouse is removed from this bid package. The utilities crossing Craver Road, 5’-0” beyond the curb (North and South) of Craver Road is by others and not part of this bid package. All chilled water piping is by others and is not part of this bid package.

- b. GI001 Title Sheet
  - i. Scope Summary amendments removing scopes for Atkins Library Building, Kennedy Building, and McMillan Greenhouse
- c. Architectural Drawings
  - i. DELETE: GI100 Atkins Library Code Summary
  - ii. DELETE: GI400 Kennedy Code Summary
  - iii. DELETE: GI600 McMillan Greenhouse Code Summary
- d. Civil Drawings
  - i. REPLACE: C-100 Demo and Erosion Control Plan
  - ii. REPLACE: C-200 Layout Plan
  - iii. REPLACE: C-300 Grading Plans
  - iv. REPLACE: C-400 Utility Plans
  - v. REPLACE: C-401 Utility Details
- e. Mechanical & Electrical Drawings
  - i. DELETE: ME004 Steam Diagrams
  - ii. DELETE: ME008 Controls
  - iii. DELETE: ME100 Atkins Mechanical – Electrical Plans
  - iv. DELETE: ME400 Kennedy Mechanical – Electrical Plans
  - v. DELETE: ME600 McMillan Mechanical – Electrical Plans
  - vi. REPLACE: ME001 Mechanical Legends and Notes
  - vii. REPLACE: ME006 Electrical Schedules and Details
  - viii. REPLACE: ME200 Cameron Mechanical – Electrical Plans
  - ix. REPLACE: MES01 Mechanical – Electrical Site Plan and Details
- f. ME003 Mechanical Schedules
  - i. DELETE: Pumps P-5 and P-6
  - ii. DELETE: Expansion Tank ET-1
  - iii. DELETE: Air Separator AS-1
  - iv. DELETE: Hot Water Unit Heater Schedule
  - v. DELETE: Steam Unit Heater Schedule
  - vi. DELETE: Boiler Feedwater Assembly Schedule
  - vii. DELETE: Blowdown Separator Schedule
  - viii. DELETE: Steam Boiler Schedule
  - ix. DELETE: Natural Gas Condensing Type Boiler Schedule
  - x. DELETE: Fan Schedule
  - xi. REPLACE: Thickness for steam piping 1-1/2 inch and greater is 3” in lieu of 2”
- g. ME010 Controls
  - i. ADD: General Notes from ME011
  - ii. ADD: Controls Contractor Coordination from ME011
- h. Project Manual Modifications
  - i. DELETE: 003126 NESHAP Asbestos Survey Report – Atkins Mechanical Rooms and Atkins Stacks

- ii. DELETE: 003126 NESHAP Asbestos Survey Report – Kennedy Mechanical Room, IT Services Offices, and Hallway Corridor
- iii. DELETE: 003126 NESHAP Asbestos Survey Report – McMillan Greenhouse Mechanical Room
- iv. DELETE: 000115 Delete drawings listed in the “Drawing Modifications” portion of this addenda.
- v. DELETE: Specification 000107 Delete unsigned seal page only
- vi. DELETE: Specification 042200 Concrete Unit Masonry
- vii. DELETE: Specification 233423 HVAC Power Ventilators
- viii. DELETE: Specification 235216 Condensing Boilers
- ix. DELETE: Specification 235223 Steam Boiler Vertical Multiport
- x. DELETE: Specification 235223.13 Steam Boiler Vertical
- xi. DELETE: Specification 238239.16 Propeller Unit Heaters

- 2. Addendum 1 – Pre-Bid RFI Log Questions and Responses
- 3. Addendum 2 – RFI Log Questions and Responses

**All documents that are included in this addendum can be found on the SmartBid website.**

**Please note the following important dates related to project bidding:**

Bid Opening: Cone University Center Room 210A on the UNC Charlotte Campus – December 05, 2017 @ 2:30 PM EST

All questions regarding Addendum #2 shall be directed to Annie Hughes with Balfour Beatty Construction at 704.295.4741 or [AHughes@Balfourbeattyus.com](mailto:AHughes@Balfourbeattyus.com)

**End of Addendum #2**

Matrix Description	Pre-Bid Questions and Answers	ADDENDUM #1
Project	UNCC Science Building - EP -1	
Owner	State Construction Office	
Date	Thursday, November 16, 2017	

#	Addendum	Page	DISCIPLINE	Bidder Questions/Comments	Item By	Date	Response	Response by:	Date
1	1	N/A	GENERAL / SCHEDULE	"The Preliminary Project schedule provides for the following durations per scope of work: 1.) Site Work @ Temp Boilers = 10 days. 2.) Site Work @ Main Walkway = 25 days. 3.) HWSP Connection @ Smith = 4 days. 4.) HWSP Connection @ Cameron = 11 days. 5.) HWSP Connection @ Friday = 4 days. 6.) HWSP Connection @ McEniry = 4 days. However, it is suggested that these durations per location be extended to reflect the following: 1.) Site Work @ Temp Boilers = 3 weeks. 2.) Site Work @ Main Walkway = 8 weeks. 3.) HWSP Connection @ Smith = 5 weeks. 4.) HWSP Connection @ Cameron = 4 weeks. 5.) HWSP Connection @ Friday = 2 weeks. 6.) HWSP Connection @ McEniry = 6 weeks."	DIV 23 - HVAC	11/15/2017	The schedule provided in the bid package is Preliminary and is noted as such. The overall project duration (not to be exceeded) from mobilization on site (5/21/2018) to substantial completion is 14 weeks and 3 days on a 6 day per week construction schedule. Final scope by location durations will be mutually agreed upon by contractor and the CM during the Coordination and Procurement period beginning Jan. 2018 to April 2018 and will be included in the contract schedule upon contract execution between the contractor and the CM.	CM	11/16/2017
2	1	Drawing C-400	Div. 23 - HVAC	" Provide specifications and details on hand holes for 10" heating hot water valves shown at the temporary boiler trailers"	DIV 23 - HVAC	11/15/2017	The requirements for the below grade valves are described on drawing ME001. The drawings state to provide valves below grade with extensions and donut and valve box. Typical valve box detail has been added on drawing C-401.	Arch / Eng.	11/16/2017
3	1	Detail 3/MESO1	Div. 23 - HVAC	" Will heat tracing be needed for hot water piping above grade at temporary trailers locations?" " If so, please provide watts for heat tape"	DIV 23 - HVAC	11/15/2017	Heat tracing is not required for the heating water pipe.	Arch / Eng.	11/16/2017
4	1	Drawing ME001	Div. 23 - HVAC	" With the method of flushing specified will this not cause the inner piping to corrode before set into service?" " On earlier projects, at UNCC, the mechanical contractor installed the piping system and hydro flushed then new piping system before connecting to existing systems."	DIV 23 - HVAC	11/15/2017	Per UNCC personnel, flush system per UNCC Guidelines and per the drawings as described on drawing sheet ME001.	Arch / Eng.	11/16/2017
5	1	Detail 1/MESO1	Div. 23 - HVAC	" <b>Main Walkway:</b> Detail shows connecting new 10" HHWS/R piping, at 36" grade, to existing 6" HHWS/R that shows no grade. <b>McEniry Connection:</b> Detail shows connecting new 6" HHWS/R piping, at a 36" grade, to existing 6" HHWS/R that shows no grade. <b>Cameron Connection:</b> Detail shows connecting new 4" HHWS/R piping, at a 36" grade, to existing 6" HHWS/R that shows no grade. Please provide a detail of what type of connections required. <b>Over pipe connection will require a vent. Under pipe connection will require a drain.</b> "	DIV 23 - HVAC	11/15/2017	The pipe connections will need to be field coordinated after the exact depth of the existing piping and any other existing utilities within close vicinity are identified. The preference is use a over pipe connection with an air vent in lieu of an under pipe connection with a drain.	Arch / Eng.	11/16/2017
6	1	Drawing C-050	Div. 23 - HVAC	" Picture shows an outdoor A/C unit at location of new underground hot water piping to be installed. There is no mention of relocating this A/C unit. During the walk-thru there was mention of relocating the underground hot water piping. Provide information of what will be needed. Relocate A/C unit or relocate underground piping so subcontractors can estimate accordingly."	DIV 23 - HVAC	11/15/2017	The underground piping enters Cameron in a storage room. There should be sufficient linear wall space to locate the pipes and not disturb the existing AC unit. The exact location of where the pipes shall enter the building will need to be coordinated during the construction phase of the project.	Arch / Eng.	11/16/2017
7	1	N/A	Div. 23 - HVAC	" What is the rental duration for the boilers, pump, & fencing?"	DIV 23 - HVAC	11/15/2017	Subcontractors are to carry 8 months of rental duration for the boilers, pump, & fencing for the temporary boilers. Final timing of bringing the boilers online will be mutually agreed upon by the contractor and the CM during the Coordination and Procurement period beginning Jan. 2018 to April 2018 and will be included in the contract schedule upon contract execution between the contractor and the CM.	CM	11/16/2017
8	1	N/A	GENERAL / REVISED EP -1 SCOPE	" Remove all work from the bid package that does not pertain to the EP-1 Existing Building Heating Conversion, this should include all drawings"	DIV 23 - HVAC	11/15/2017	Scopes that are no longer pertinent to the EP-1 project as well as the respective drawings will be amended with the issuance of Addendum #2 to be issued by 11/28/2017 per the preliminary schedule included in the bid package. For general reference and to maintain the bid date of 12/5/2017, contractors should not estimate or include costs for work for the following: 1.) Atkins 2.) Kennedy 3.) McMillan Greenhouse 4.) Craver Rd (curb to curb)	CM	11/16/2017
9	1	N/A	BIM DRAWINGS	" Can these drawings be deleted? With removing existing system piping and installing where existing systems were installed, in buildings, what are we coordinating?"	DIV 23 - HVAC	11/15/2017	BIM Coordination is a requirement of the contractor documents and specifications and will remain part of the MEP contractors scope of work to actively participate in the BIM process. Per the scope of work, the Mechanical contractor will lead the BIM efforts for the project. BBC will provide scans of existing mechanical room layouts to the awarded contractors for use during the BIM process since there will be demo of existing MEP scope and replacement of new MEP scope in and around existing MEP systems that will remain. The BIM process will NOT take into account all existing MEP and structural elements within the work space. Please refer to the scope of work explanation of the BIM process and expectations for the project.	CM	11/16/2017
10	1	Drawings ME200, ME300, ME500, ME700	GENERAL / SCHEDULE	"The listed drawings work include removal of existing equipment and system piping. Since we are working during summer months are shutdowns or afterhours needed?"	DIV 23 - HVAC	11/15/2017	The areas where the work will be executed are in buildings that MAY be occupied for classes or events during the summer months. BBC will request a schedule for each building for the duration of the EP-1 scope of work and provide by the issuance of Addendum #2 (11/28/2017)	CM	11/16/2017

END OF PRE-BID QUESTIONS

Matrix Description	Pre-Bid Questions and Answers	ADDENDUM #2
Project	UNCC Science Building - EP -1	
Owner	State Construction Office	
Date	Wednesday, November 22, 2017	

#	Addendum	Page	DISCIPLINE	Bidder Questions/Comments	Item By	Date	Response	Response by:	Date
1	2	N/A	DIV 32 - Unit Paving	"Clarify what Demolition is to include for our package"	DIV 32 - Unit Paving	11/21/2017	During the removal of the unit paver walkways it may be necessary for demolish the existing mortar troweled edge to remove the edging pavers. The contractor should assume this as the only demo pertinent to the unit paving scope of work.	CM	11/22/2017
2	2	N/A	DIV 32 - Unit Paving	"Cast in place concrete, please clarify this for our package, where, etc."	DIV 32 - Unit Paving	11/21/2017	The cast in place concrete reference in the unit paving scope of work is for the mortar troweled edge. Placing, mixture, etc. should be done in accordance with cast in place specifications as outlined in the contract documents.	CM	11/22/2017
3	2	N/A	DIV 32 - Unit Paving	"Behind McMillan Greenhouse, who will remove the existing concrete sidewalk?"	DIV 32 - Unit Paving	11/21/2017	Removal of the existing concrete sidewalk for the natural gas piping is not to be included in unit paving scope of work or pricing.	CM	11/22/2017
4	2	N/A	DIV 32 - Unit Paving	"General Requirements, page 6, explain the sealed drawings."	DIV 32 - Unit Paving	11/21/2017	All contractors will be required to provide a signed set of drawings confirming that the scope of work for which that contractor is contracted to execute has been completed in accordance with the contract documents. The "sealing" of the documents is for scopes of work where delegated design required by the contractor requires and engineer's stamp or seal. That stamp or seal will be included in the aforementioned signed drawings submitted by the contractor.	CM	11/22/2017
5	2	N/A	DIV 32 - Unit Paving	"Explain Cast in Place concrete on page 8 of General Requirements, Where?"	DIV 32 - Unit Paving	11/21/2017	The cast in place concrete reference in the unit paving scope of work is for the mortar troweled edge. Placing, mixture, etc. should be done in accordance with cast in place specifications as outlined in the contract documents.	CM	11/22/2017
6	2	N/A	DIV 32 - Unit Paving	"Explain Joint Sealant on page 9 of General Requirements, where?"	DIV 32 - Unit Paving	11/21/2017	Ref. 079200_3.6A Joint - Sealant Schedule. There are control and expansion joints that will be located in the brick pavers. This specification section is to be utilized during the execution of that scope of work by the Unit Paving contractor.	CM	11/22/2017
7	2	N/A	DIV 32 - Unit Paving	"Item 6 page 10, are we going to be given a compacted Subgrade by others?"	DIV 32 - Unit Paving	11/21/2017	Yes, the compacted subgrade will be provided by others. Ref. 2/C-201. All dirt, etc. ABOVE the compacted subgrade is to be provided by the Unit Paving contractor.	CM	11/22/2017

END OF PRE-BID QUESTIONS