ADDENDUM NO. 2
PRETTYMAN & SCARBROUGH AC & ELECTRICAL UPGRADES
TU-1940-SBR

February 4, 2019

Ladies and Gentlemen:

The purpose of this addendum is to clarify certain portions of the above-referenced project with all prospective vendors.

QUESTIONS:

Q1. Drawing E6.1 - Existing main breakers Scarborough (400A) and Prettyman (300A) feeds existing equipment not shown. Is the existing equipment not shown to be included in the SC, PDC and AF studies?
A1. No, existing equipment is not to be included in study.

Q2. Drawing E7.1 and E7.2 - All equipment is rated 22kA at 208V. This appears low for a 500kVA xfmr with %Z 4.03 per xfmr spec 261219 Par 2.3.G.5. Please confirm 22kA rated switchboard and panelboards.
A2. The switchboard should be rated 42kAIC. Other panelboards can be rated 10k or 22k.

Q3. Spec 260573.13 Par 3.2.D.1 - Indicates extend SC study to “All line voltage panelboards”. Does this include only NEW panelboards or all panelboards, including existing panelboards not shown?
A3. This includes only new panelboards.

Q4. Spec 260573.19 Par 3.2.D - Indicates to perform AF analysis on equipment where energized work can be performed. Can we clarify a limit such as panelboard, disconnect switch, HVAC control panel, etc. or as listed in NEC 110.16? SC and PDC are required for the AF analysis, but they are stopping at the line voltage panelboards. This will require significant additional SC and PDC analysis. Please confirm.
A4. Arc Flash Analysis is to be limited to all new line voltage panelboards.

Q5. Spec 260573.19 Par 3.2.E - Indicates to perform AF analysis including low voltage equipment. Can we clarify what is meant by LV equipment? Can we clarify a limit such as panelboard, disconnect switch, HVAC control panel, etc. or as listed in NEC 110.16? SC and PDC are required for the AF analysis, but they are stopping at the line voltage panelboards. This will require significant additional SC and PDC analysis. Please confirm.
A5. Arc Flash Analysis is to be limited to all new line voltage panelboards.

A6. Confirmed

Q7. Spec 260573.19 Par 3.2.C - Indicates to calculate min and max fault and then use both 1584 and NFPA 70E calculation methods. Are you requiring the analysis to be completed using both methods? The new IEEE 1584 (2018) is published. Recommend AF analysis per IEEE 1584 (2018) only. Please confirm.

A7. Confirmed

Q8. Spec 260573.19 Par 3.2.C - Indicates to use max utility contribution and min utility contribution. Is the service connected directly to local utility? If so, is there a POC to get this info from? If not, does university have this info?

A8. The service is connected to the campus loop. The available fault at the main medium voltage substation is 460 MVA at 13.2 KV.

All addenda will be incorporated into the final contract documents and will be binding on all vendors responding to this solicitation. Each vendor submitting a bid/proposal must acknowledge receipt of all addenda by completing and forwarding Exhibit K (included in the bid package) with the bid response; failure to acknowledge addenda may result in bid/proposal rejection.

If you have any questions regarding this addendum, please contact me at (410) 704-2050 or email me at MLCompton@towson.edu.

Sincerely,

Michelle Compton
Procurement Officer Representative