

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name	<u>Underground Steam/Condensate Infrastructure Improvements</u>	Project Number	<u>UTO-190199 1020-19-199</u>
Project Location	<u>Centennial Mall, Main Campus, Toledo, OH</u>		

Date posted: 04/12/2018
Date revised: 04/16/2018

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Will the selected A/E be responsible for the full design of the project or work from a prototype/previously established standard or POR?
 - A. Selected A/E will be given info on UT's previous underground utility projects, but selected A/E is responsible for design of this project.
2. There is no mention within the RFQ regarding specific work where the loops (supply/return) interfaces with the existing building connections. Will the selected A/E be responsible for designing these connections?
 - A. Yes.
3. How many transition points (tees, wyes, traps, etc.) does the University anticipate initiating from/off the main loop? Will the selected A/E be responsible for designing these transitions?
 - A. Quantity not determined at this time. Selected A/E to determine quantity and design these transitions.
4. Will controls, metering, isolation valves, condensate pumps, ventilation, etc. be required at transitions? Will the selected A/E be responsible for designing these connections?
 - A. Selected A/E to design full system, including all components/equipment at transitions.
5. What type of "in tunnel" monitoring systems are being considered? Will the selected A/E be responsible for designing these systems?
 - A. Decisions about any "in tunnel" monitoring system will be made by University based on recommendation from selected A/E, who will be responsible for designing any such systems. Note that underground steam/condensate lines are intended to be placed in an underground concrete structure more appropriately called a "utility trench" (rather than a "utility tunnel" in that it will not have vertical clearance sufficient for walking).
6. Please expand your description of the anticipated Landscape Architecture scope.
 - A. Incorporating underground utility tunnels (trenches) into system of surface walkways in landscaped signature open space in center of campus.
7. There is no mention within the RFQ regarding the requirement for Geotechnical services as part of the Project Scope. If required would the University provide these services from a third party or should the A/E include these services within the SOQ?
 - A. If required, geotechnical services would be contracted for directly by UT.
8. Are all the existing buried lines to be abandoned in place or be removed following construction of the new system? Are there known environmental issues associated with the existing piping?

- A. Extent of removal is to be determined. However, existing buried lines in the area of excavation for the new tunnel (trench) system are to be removed. There are no known environmental issues associated with existing piping. UT will contract directly with specialty consultant/contractor(s) if required to address environmental issues.
9. Will balancing of the proposed system be provided by a third party or part of the A/E Basic Services?
A. Balancing not required for steam distribution system.
10. Will the tunnel system require tie-in to the Universities storm sewer system and if yes, are there sufficiency's and proximity to accept any additional surcharge? Or, will the University rely solely on tunnel ventilation to remove heat and moisture?
A. Tunnel (trench) system will be tied into existing storm/sanitary system. Capacity and location of these systems should not be an issue. Ventilation system is not anticipated for tunnel (trench) system.
11. Are there any known major encumbrances for the proposed tunnel system that will require additional Engineering? (crossing culverts, poor soil conditions, demolition of and replacement of existing hard surfaces, etc.)
A. Proposed tunnel (trench) system is to be designed as walkway. It will cross existing service roadway, and will need to be designed accordingly.
12. Will lighting and material removal hatches be required within the tunnel(s)
A. Hatches will be required. Lighting in tunnel (trench) system is not anticipated.
13. What is the anticipated size/dimensions for the tunnel system and how many access points does the University anticipate? Will the tunnel section vary in size or be consistent throughout? Crawl or walking tunnel?
A. To be determined. The tunnel (trench) system is not anticipated to be a walking tunnel.
14. The RFQ states that *"the general scope of this project is to replace 1970's era underground steam supply and condensate return lines on a portion of the campus steam/condensate loop in the northeast quadrant of Main Campus."* Are the existing steam/condensate services direct buried, or currently housed in a concrete utility tunnel?
A. Direct buried.
15. The RFQ states that *"the intention is to place the new utility lines in an underground concrete tunnel, and use the top of the tunnel as part of the system of walkways in this part of campus. The existing systems will need to remain operational during construction."* Does this imply that the *"new utility lines"* will be in an alignment that is not identical to those being replaced?
A. Not necessarily. Alignment to be determined.
16. If they are to be replaced in the same alignment, is temporary steam/condensate piping required to allow the systems to remain operational during construction?
A. Need for temporary steam is to be determined, but a short change-over period (without the need for temporary steam) is anticipated.