



INVITATION FOR BIDS

CCK-2563.30-1-24

CTC + AAC BP4 Early Concrete and Deep Foundations

ADDENDUM #4

03/12/2024

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY: 03/15/2024 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

ITEM #1: QUESTIONS AND RESPONSES

- Please refer to and incorporate within the offer, the enclosed Questions and Responses.

ITEM #2: BIDDER NOTICES

- The "Bid Opening Date" has been moved to 03/15/2024. No change to the location or time for bid submissions.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

SIGNATURE

Ken Scott

03/12/2024

Contracting Officer / (859) 257-9102

Typed or Printed Name

University of Kentucky
Purchasing Division
322 Peterson Service Building
Lexington, KY 40506-0005

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CCK-2563.30-1-24 Question and Response Log As Of: 03/12/2024 @ 3:27PM					
#	Date	From	Question	Responder	Response
1	2/19/2024	Hayes Drilling/Brandon Wireman	Please provide a detailed scope of work for the following work so we can determine exactly what each contractor is responsible for: Site Work / Excavation Early Concrete Deep Foundations	Walsh	<p>Only a single Trade Category is being Solicited as part of Bid Package 4: Deep Foundations.</p> <p>Site Work and excavation was previously solicited as part of Bid Package 2 and is in contracting phase now. Documents related to that solicitation are referenced in the BP4 set but may be available still for download. Subcontractors for Bid Package 2 will establish site and drilling elevation as shown on "Site Mass Excavation Plan" Sheet L004 but will not be responsible for the earth retension system.</p> <p>Early Concrete is not a trade category or subcontractor currently being solicited. All structural concrete, above the drilled piers, for the project will be solicited with Core and Shell in Q2 2024 for the entire Cancer Center Project.</p> <p>Detailed scope of work for the Deep Foundations is provided as part of the bid form with Exhibit B.2 Trade Category Specific Scope TC31C.4. The BP4 drawing set is designed to solicit the deep foundations subcontractors.</p>
2			Please provide details for the Tower Crane Foundations.	Walsh	Details for the Tower Crane are still being resolved. Bidders shall assume 20' embeddment of the noted drilled shaft quantity and sizes into competent rock. Top of drilled piers under the tower cranes shall be assumed at 971'8". Tower crane pads are each assumed to be 6' thick, 17' x30'.
3			Drilled Pier Specification, section 3.2.6.1, references “installation of the probe holes and recovery of rock core samples”. Probe holes are installed utilizing a percussion drill which will not allow for recovery of core samples. Please clarify this requirement.	THP	Probe holes may be either cored or percussion drilled. Coordinate with the geotechnical engineer to evaluate the rock quality at each probe hole.
4			Why is the Temporary Earth Retention in the Deep Foundation Package? This is typically in the Site Work / Excavation Package.	Walsh	While the ERS is a delegated design scope of work, Walsh thought soldier piles and lagging would be one of the likely proposed means and methods to achieve this, and likely able to be completed by drilling companies more effectively than earthwork subcontractors. Submitting firms may subcontract out portions of their scope if in their interest to provide a full proposal.
5			Bid Form & Unit Prices. Please Clarify: Allowance 1 – Dewatering Well. If required, additional information is needed. Unit Price 27 – Vibration Monitoring. What are the requirements for this unit price? Unit Price 28 – Should this Unit Price be in the Concrete Package since the Drilled Pier Detail shows a construction joint in the Drilled Pier.	Walsh	Dewatering and Vibration will be removed from the bid form. Unit Price 28 is specific for drilled pier subcontractor to potentially pore concrete to the full height of the drilled pier in one continuous lift without the construction joint. This would be used at specific conditions and with engineers approval. See Sketch WSK_Bp4_022924 for additional clarity.

6			Please confirm that the column dowels are in the Concrete Package.	Walsh	Column dowels are generally in the drilled pier cap. Plan notes and details that call for bars embedded in the drilled piers are to be installed with the drilled piers. See Sketch WSK_Bp4_022924 for additional clarity.
7			Why are “no paper clips or staples” allowed when submitting the bid? This will not allow a contractor to organize all of the documents required to submit. Please clarify.	UK Purchasing	
8			It was mentioned in the pre-bid meeting that a second mobilization will be required for the canopy piers. Please provide a schedule indicating when this mobilization is anticipated.	Walsh	Assume Q3 2026 following demobilization of the southern tower crane.
Post Addendum 1 Questions					
9	3/6/2024	Hayes Drilling - Craig Myers	7.17 – Please provide additional information and/or requirements for “noise, vibration, equipment exhaust, and dust control”.	Walsh	Tier 4 equipment or scrubbers on all equipment exhaust. Dust control per OSHA standards for silica control. Vibration requirements will be voided. Work restrictions on noise will be limited per any local requirements, with no additional requirements on the project by the CM.
10			7.18 – Vibration Monitoring: Please provide additional information on the “vibration monitoring” requirement (i.e where and what thresholds). Per Addendum 1, vibration monitoring was removed from Bid Form.	Walsh	This requirement will be voided as it was on the Bid Form.
11			7.25 – Please provide additional information and location of the eight (8) each 42” drilled shafts under the skip hoist.	Walsh	The Hoist is likely to be located between Column lines 8 and 9 and H and J at the lowest level of the building. This is shown in concept on the site logistics plans.
12			7.26 – Please provide a detailed schedule on when the ERS system is to be installed.	Walsh	ERS to be installed prior to mass excavation activity ID 13800 in schedule w/20 day duration beginning in August 2024.
13			9.2 – What are the requirements on “particulate monitors” referenced in this section. This is not current industry standard that we are familiar with. It is our understanding that previous bid packages did not have this language in their scope of work.	Walsh	This requirement can be voided as equipment with scrubbers shall be provided.
14			9.6 – What are the specific requirements for this item. Typically, air monitoring is only provided with down hole entry.	Walsh	Air monitoring was intended to refer to shafts being accessed. However, Shaft access shall be prohibited.
15			10.5 – Installation techniques are specified in the drilled specification which are industry standard. What particular part of the Installation Technique plan needs to be engineered.	Walsh	Provide Submittals and Shop Drawings per 316320-1.4.
16			10.6 – Per the drilled pier specification, probe holes are required. Typically, this is performed after the excavation is completed and observed by the inspector. This section (10.6) indicates a test pilot hole for each shaft is to be completed prior to the drilling of the shaft. Please clarify if probe holes can be installed after the excavation is completed.	Walsh	Predrilling was considered an advantage by the CM to allow for potential issues of competent rock depth to be identified earlier in the process. However, CM has no objections to other means and methods that comply with contract documents, drawings specifications and recommendations of the geotech report.
17	3/6/2024	Berkel - Anthony Lewis	For the earth retention, typically we see a requirement to remove the top 4 feet of shoring as backfill commences. The entire shoring system cannot be removed, but Is there a requirement to remove the top 4 feet?	Walsh	Yes - subcontractors shall remove the upper 4' of the earth retention system.
18			Who is responsible for dewatering and maintenance of the building pad?	Walsh	Drilled Pier subcontractor responsible for their own excavations. Other subcontractors to manage the pad.
19			Please reference Exhibit B.2 scope of work item 10.6. Please define test pilot hole. Is this an air track percussion hammer drilled hole or pulling an actual rock core? Typically a probe hole is installed in bottom of shaft to be assessed by geotechnical engineer, however down hole entry is not required and this item states to complete the pile hole prior to drilling the shaft. The Geotech report suggest a 10’ probe hole in bottom of shaft after drilling the rock.	Walsh	Predrilling was considered an advantage by the CM to allow for potential issues of competent rock depth to be identified earlier in the process. However, CM has no objections to other means and methods that comply with contract doucments, drawings specifications and recommendations of the geotech report.
20			Please clarify scope of work item 11.3. This sentence is cut off. Does this assume the need for 3 drill rigs?	Walsh	Yes. This assumes 3 drill rigs. The additional text should be ignored.
21			Please reference drilled pier specification 316320 Section 3.2.6.1. This section references installation of probe holes which conflicts with the scope of work. Please provide intent for testing and evaluation of drilled shaft bearing elevation.	Walsh	Comply with design documents and geotech report. See previous RFIs on this subject.
22			Given the unknown ground conditions and ground water level. Can a concrete pumping allowance be established in order to keep the overall bids lower to the owner.	Walsh	Please, bid per current documents.
23			Please reference unit prices. Can an add and deduct price be allowed so that the drilling contractor is not giving fixed costs back to owner such as reinforcing steel. A separate unit price for reinforcing steel outside of the drilling unit would be helpful.	Walsh	A new bid breakdown form will not be provided. It is acceptable to note an add and deduct difference on the bid form but will be required to be substantiated by the succesful bidder.