

University of Missouri Bid Event: Addendum 1

Event ID: 19-2219-WJ-K

Event Dated: December 13, 2019

Event Name: Dental Simulators

The questions listed below were received from the bidding community. The corresponding answers were provided by the requesting department. The specifications listed in the table below are modified as follow and except as set forth herein, otherwise remain unchanged and in full force and effect:

Addendum 1, dated January 11, 2019

QUESTION	ANSWER
Will the dental simulation workstations connect to an existing, centralized, <u>dry dust collection system</u> or should we propose integrated, dry dust collection units with filtration system in each of the workstations?	<ul style="list-style-type: none">• Dry dust collection units with filtration system in each of the workstations. Centralized dust collection is not available.
Regarding dental suction for simulated oral evacuation of fluids (HVE), will the simulation units connect to an existing, centralized, dental vacuum system or should each simulator be equipped with a self-contained dental vacuum system with collection canister?	<ul style="list-style-type: none">• A self-contained dental vacuum system with collection canister.
Regarding the audio visual control system for the instructor podium/workstation <ul style="list-style-type: none">○ Does the university already have a standardized user-interface control type, i.e., Crestron, AMX or other brand?○ If yes, should the system we propose include same technology for consistency?○ If so, please provide some specifications for the current, standardized control system in use at the school.	<ul style="list-style-type: none">• The school and university are standardized on Crestron. A Crestron-based/Crestron-like interface would be preferred, but not required.

<p>The bold text in the following references language from the bid document, followed by our questions</p> <ul style="list-style-type: none"> ○ Ability for instructor to view and record student work in real time, and display an individual student's work to the entire class <ul style="list-style-type: none"> ▪ Will system need to be able to show multiple student stations at a given time, or only one student station at a time? ▪ Will instructor need to be able to record all student stations simultaneously? Or only the student station(s) that have been selected at a given time? ○ Cameras must be high resolution, with preset and potential zoom capabilities. <ul style="list-style-type: none"> ▪ Are there specific requirements for what resolution the cameras need to be? 	<ul style="list-style-type: none"> • Only one student station at a time. • Record only the selected student station. • 4K camera resolution.
<p>What is the anticipated award date? Also, when can we expect the awarded manufacturer PO?</p>	<ul style="list-style-type: none"> • The award will be made my January 30, 2019. Any delays will be communicated to the bidding community.
<p>Are CAD drawings of the space including electrical, plumbing layout available?</p>	<ul style="list-style-type: none"> • Available upon request.
<p>Are SIM dimension requirements available? Minimum and maximum space, height, depth, dimensions?</p>	<ul style="list-style-type: none"> • Available upon request
<p>Are there time constraints during installation? i.e. daily hours of building access and/or elevator access if necessary?</p>	<ul style="list-style-type: none"> • The space will be made available for installation for 2 – 3 month during the summer with no constraints on access.

Will the University provide contractors for all final utility connections? Air, water, electricity, and vacuum?	<ul style="list-style-type: none"> • Yes
Is the University providing the computers and monitors for the SIM stations? If Yes, Who is responsible for the installation of these auxiliary components?	<ul style="list-style-type: none"> • The university would provide the PCs. The vendor would install them.
Bid states "University desires Contractor to provide Digital Intraoral Scanners". Do you want Digital Intraoral Scanners also included on the RFP? Is the ask for I/O & sensors or camera?	<ul style="list-style-type: none"> • We would like the pricing for Intraoral Camera included as part of the RFP. It would be optional based on the pricing.
Will Cat5 and/or HDMI cable be wired/run to each Sim station?	<ul style="list-style-type: none"> • Cat/6 and/or HDMI will be run to each location by the vendor.
Are the digital cameras needed for ALL Sim units or just for professor units?	<ul style="list-style-type: none"> • Please propose and price both options, cameras at all locations and camera only at the instructor location.
UMKC requiring a demo unit? If so, timeframe to install?	<ul style="list-style-type: none"> • Not a requirement.
What floor is install on? Truck deck height?	<ul style="list-style-type: none"> • 2nd floor.
What is the guideline regarding the number of stations per room?	<ul style="list-style-type: none"> • There needs to be 110 stations split between the 2 rooms.
In addition to compressed air, will the simulation stations need natural gas?	<ul style="list-style-type: none"> • The room is currently equipped with connections to the centralized air and natural gas.
Is there a number or percentage of stations that need to be ADA compliant?	<ul style="list-style-type: none"> • We would ask for 1 ADA accessible station in each room.
How many students at a given time will be using the wet lab space?	<ul style="list-style-type: none"> • The space holds 20 students.
What equipment or processes will be done in the wet lab?	<ul style="list-style-type: none"> • The wet lab needs the same equipment as is currently for: pouring up and trimming models, making vacuum trays, taking radiographs and whatever else is in there.

Does each workstation require self-contained dry dust collection?	<ul style="list-style-type: none"> • Yes.
Will utilities (air, electric, gas, etc.) be relocated based on the new design or will utilities "remain as is". If utilities remain "as is," is there a utility drawing available we can use for the design?	<ul style="list-style-type: none"> • The utilities can be moved based on the new design.
Utilities questions: <ul style="list-style-type: none"> ○ Water - Are there water lines or will bottled water be needed? ○ Drains - Do the SIMs need to store the waste water or are there drains? ○ Is there wet suction for the high volume and saliva ejectors? 	<ul style="list-style-type: none"> • There are no water lines to the room. Bottled water would be needed. • There are no drains. • We don't have a main suction generator the in labs. We have a Venturi self-contained suction that runs off building air.
Can you expand on the needs of the wet lab. There are detailed on the SIM clinic, but minimal details on the wet lab.	<ul style="list-style-type: none"> • Similar to what is in there. We only need to replace the cabinetry in this area.
For the dentist element, what hand pieces are needed- Air HP High, Air HP Low, Electric HP (capable of high and low) <ul style="list-style-type: none"> ○ For the scaler, should this be the Cavitron or Piezo? 	<ul style="list-style-type: none"> • Air HP High, Air HP Low, Electric HP (capable of high and low) • Cavitron
Is there a desire to have a separate assistant element for the high volume and saliva ejector? <ul style="list-style-type: none"> ○ How many HV would be needed? 	<ul style="list-style-type: none"> • No • 1
No mention of drawer space, Is this needed/desired? Currently 6 drawers in each unit?	<ul style="list-style-type: none"> • Need drawer space, minimum 4
Is a sink needed in each SIM room? Currently a sink next to the support column.	<ul style="list-style-type: none"> • Yes
Currently there are 109.5 units and I was told that the school may desire 130 units in the future. Is there a need for any open space to be left for additional units?	<ul style="list-style-type: none"> • We should only plan for 109-10 stations.

Is there any desire to reuse any current equipment. i.e. the BienAir HP?	<ul style="list-style-type: none"> • Bien Aires
Will there be an eventual need for a working evaluation unit/prototype?	<ul style="list-style-type: none"> • Perhaps in the future
Can you share any other question other manufactures have asked?	<ul style="list-style-type: none"> • Yes, by way of this addendum all received questions are listed here along with the corresponding answers.
Is there a specific format you would like the bid? I do see the request for Volume 1 & Volume 2, but beyond that am I missing a template you would like us to use?	<ul style="list-style-type: none"> • There is no specific format. Bidders should answer all questions listed in the Desirable Criteria section. Responses should also include the individual simulator price as well as the overall price.
We are working through some information on the Cad file, but do you have a drawing with the existing utilities? We didn't see it on the Cad drawing and wanted to make sure we weren't missing something.	<ul style="list-style-type: none"> • The CAD file with utilities can be provide upon request.