Listed below are vendor questions that were received prior to the requested deadline and the corresponding answers for RFB# AA17-RH-5134 – Contract: Develop and Implement Interactive Exhibit Services for the Multi-Screen Digital Wall located in the Old Chapel per the following specifications or approved equal.

The original bid opening date was scheduled for September 22, 2016 @ 1:00 pm EDT
The bid opening date has been REVISED to open on: Monday, September 26, 2016 @ 1:00 pm EDST

Question #1: Who is responsible to provide the hardware (display, signage, player, mounts, cabling) for the digital wall?

Answer # 1: The hardware for the wall is already installed.

Question #2: Are vendors able to bid only on the content development for the digital wall?

Answer # 2: Bids should be based on the criteria outlined in the RFB.

Question #3: Is there a database of assets (photography, video, etc.) available to view in developing content budgets?

Answer # 3: The University has an extensive digital asset management system for photography. We also have a robust archive of video footage.

Question #4: What are the proposed purposes of the Chapel? Having a list could help with content ideas. Thank you.

Answer # 4: As indicated in the RFB, Old Chapel’s second floor will be used an event space for lectures, dinners, performances, weddings, etc. The first floor, where the digital wall is located, is a gathering space for students and community members.

Question #5: Is there a budget for the content development?

Answer # 5: There is no set budget. Bidders will submit a budget based on their proposed plan.

Question # 6: The RFB mentions a form factor in terms of a screen array. Has hardware been specified already? Do you have an AV specification/integration partner yet? Is do, whom have you selected? If not, is there a timeline for that?

Answer # 6: This RFB is for content creation services only. The Audiovisual equipment has been procured and installed by an audiovisual integrator. Refer to the AV systems documentation attached.

Question # 7: we’ve often found projects of this type are most successful when an owner on the client side is collating the stakeholders and managing the project. Has a department or entity been assigned the management of the project for Mass?

Answer # 7: University Relations’ office of External Relations and University Events is managing the building and the digital wall project.

Question # 8: Who are the stakeholder entities? (people, departments, etc.) who will be reviewing and approving the project’s creative decisions?
Answer #8: University Relations.

Question #9: The RFB identifies the Old Chapel as part of the National Register of Historic Places. Our experience with historical buildings is that any structural/technical installations can be quite complex in terms of making accommodations for new technology. Have you made any allowances in your renovations for this array of screens, computer and attendance hardware? E.g. Rigging of the System, HVAC, Power, A-Room/Area for show control? Will requests need to be made to outside preservation authorities to approve any changes by the vendor for the above?

Answer #9: The RFB is only related to content. The wall is already installed and powered. No structural installations are expected.

Question #10: You mentioned a lot of types of content development in the RFB. Is the expectation that the selected vendor to design and program the interactive wall will also shoot, edit, program, etc. the content? Will the University handle that or is that a different vendor?

Answer #10: The selected vendor may use existing assets from the campus archives and digital management system but should choose to provide fresh content in collaboration with UR.

Question #11: Are you open to partnerships of companies?

Answer #11: Yes.

Question #12: If we are a certified MBE in New York is that sufficient at this time, or are you looking for local companies?

Answer #12: Yes, that is acceptable. The bid is open to anyone.

Question #13: How many bidders have you invited to participate?

Answer #13: All bids are posted on the Procurement Web-Site at: www.umass.edu/procurement and are open to be bid by all vendors that meet or exceed the specifications in the request for bids.

Question #14: Do you have a rough order of magnitude on budget allocated for this budget?

Answer #14: No.

Question #15: What are the specs for the touchscreen overlay interface (drivers requirement and physical interface type)?

Answer #15: This RFB is for content creation services only. The Audiovisual equipment has been procured and installed by an audiovisual integrator. Refer to the AV systems documentation attached.

Question #16: Are there speakers and amplifiers already installed that would need to be utilized for the audio portion of the content, and if yes – how many channels? Alternatively – do we need to spec a sound system, and if yes – what are the requirements – power output, number of audio channels, size and number of speakers, directional or omni-directional dispersion pattern?

Answer #16: This RFB is for content creation services only. The Audiovisual equipment has been procured and installed by an audiovisual integrator. Refer to the AV systems documentation attached.
Question #17: How do we submit with the bid some of the samples of our interactive application (both – examples of the previous work in similar spaces, as well as some of the available templates) so we can provide a visual illustration of ideas / concepts we are recommending?

Answer #17: A USB drive or link to a cloud service (Box, Dropbox, etc.) would be appropriate.

Question #18: Is this RFP to include just software development, or is a hardware bid requested as well?

Answer #18: Just software/content development and training.

Question #19: What are the hardware specifications of the wall? (Screen brands, touch technology, computer specs, etc.)

Answer #19: This RFB is for content creation services only. The Audiovisual equipment has been procured and installed by an audiovisual integrator. Refer to the AV systems documentation attached.

Question #20: The scope says that “firms will develop fully one or more elements”. How should the bids be structured to ensure that price comparisons between bidders are accurate? For instance, if one firm includes one piece of functionality and another includes five.

Answer #20: Proposed functionality elements will be taken into consideration as part of the overall project.

Question #21: Is there a base minimum list of functionality that is required? For instance, the interactive map of campus and the portraits.

Answer #21: No.

Question #22: Will the UMass staff be providing all necessary content research or will the firms need to provide content research and development?

Answer #22: We can provide access to research and assets but will expect the successful bidder to curate the material into an appropriate exhibit.

Question #23: Are there any special permits, union labor, etc. needed to work on campus at UMass?

Answer #23: No. There is no union labor or installation involved.

Question #24: Will the equipment (computers, etc.) be located in close proximity to the wall, or will it be placed in a remote AV closet?

Answer #24: It is located in a conference room that is adjacent to the back side of the digital wall.

Question #25: Has the area surrounding the video wall already been designed? Is there any need for further exhibit design for this area?

Answer #25: The area is fully designed and we do not expect additional design at this stage.

Question #26: In regards to a Content Management System (CMS) – does the University have hosting capabilities for this system or should a content hosting cost be a part of this bid?
Answer # 26: The campus does have hosting capabilities but a bidder may include this cost if they choose.

Question #27: Will internet be available at the location so the wall can be remotely managed?

Answer # 27: Old Chapel has full internet access, including wifi.

Question #28: For purposes of teaming up, can you share the sign in sheet of vendors who were at the site visit?

Answer # 28: Due to the public bidding process, this information will be released to the award vendor.

Question # 29: Will firms that are MBE and WBE be weighted differently than firms that are not?

Answer # 29: No. All bid responses will be weighted on the same criteria that is in in Section 1.3 of the RFB.

Question # 30: How will the winning vendor be selected? Is there a point system being applied to the proposals?

Answer # 30: A point system will be used based on the following criteria:

- Overall cost to the University
- Responsiveness to the RFB and quality of the offer
- Conformance with bid specifications contained herein, including University Contract for Services
- Adherence to brand guidelines
- Record of demonstrated ability to successfully execute the services as specified in the bid specifications
- References

Question # 31: Who will be the main contact on the client’s side for the duration of the project? What will the client’s working group look like?

Answer # 31: Staff in University Relations will coordinate this project.

Question # 32: How will reviews and approvals be processed on the client’s end?

Answer # 32: A point person within University Relations will be assigned to handle all communication with vendor (procurement, facilities, etc…).
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**UMass Amherst - Chapel Renovation Project # 15-202**

144 Hicks Way
Amherst, MA 01002

**Tel:** Fax:

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**Cc:**

- Barr & Barr, Inc.  
  Contact: File  
  Copies: 1
- Finegold Alexander Associates, Inc.  
  Contact: Chris Marciano  
  Copies: 1
- STV, Inc  
  Contact: Evan Warner  
  Copies: 1
- UMASS Amherst  
  Contact: Jeffrey Quackenbush  
  Copies: 1

**Remarks**

**ARUP (AS DEFINED IN CONTRACT) SUBMITTAL REVIEW**

- [ ] NO EXCEPTION TAKEN
- [x] MAKE CORRECTIONS NOTED, RESUBMITAL NOT REQUIRED
- [ ] REVISE AND RESUBMIT, NOT ACCEPTED FOR REASONS GIVEN
- [ ] SUBMITTAL NOT REVIEWED, REASONS MAY BE GIVEN AS NOTED
- [ ] FOR INFORMATIONAL PURPOSES ONLY
- [ ] NOT REQUESTED
- [ ] REVIEWED FOR LOADS ONLY
- [ ] ON STRUCTURES
- [ ] BUILDING SYSTEMS
- [ ] HVAC
- [ ] ELECTRICAL
- [ ] PLUMBING
- [ ] FIRE PROTECTION
- [ ] REJECTED

Review is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Contractor is responsible for quantities and dimensions which shall be confirmed and correlated at the job site; checking for deviations between the field, submittal and the contract documents alerting Arup of same; fabrication processes and techniques; the means and methods of construction; coordination of its work with that of all other trades; and performing all work in a safe and satisfactory manner. This review does not modify Contractor’s duty to comply with the contract documents and any action shown is subject to requirements of plans and specifications. This review does not increase Arup’s standard of care or scope of services and Contractor shall immediately notify Arup of any intent to make a claim based on this submittal.

**ARUP**

David Etlinger  
05/11/2016
## UNIVERSITY OF MASSACHUSETTS

OLD CHAPEL  
UMASS AMHERST, AMHERST, MA 01002

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A/V SIGNAL FLOW

BARR & BARR, INC.
UMass Amherst – Chapel Renovation
B&B JOB NO: 15202
SUBMITTAL NO: 274116-001.003rev2
DATE: 5-2-16
REVIEWED BY: malexik

REVIEWED FOR CONFORMANCE WITH CONTRACT INFORMATION AND SUBMITTED IN ACCORDANCE WITH GENERAL CONDITIONS IN THE CONTRACT.
BARR & BARR, INC.
UMass Amherst – Chapel Renovation
B&B JOB NO: 15202
SUBMITTAL 12741335-001.005rev2
DATE: 5-2-16
REVIEWED By malexik
Reviewed for conformance with contract
information and submitted in accordance with general conditions in the contract.
RACK TO BE PROVIDED WITH TRACK 50 SERVICE TRACK AND TRACK L SERVICE STAND.
EQUIPMENT RACKS
MIDDLE ATLANTIC / MRK-4426-AXS (41RU USABLE)

ACCESSORIES:
1. TRACK50 - TRACK (2)
2. DRAWER #2
3. DRAWER #3
4. DRAWER #4
5. RACK MOUNT POWER CONDITIONER #1
   SURGEX SX1120RT
6. CATEGORY 6 STP PATCH BAY #1
   BITTREE DSKP124FL-C6FSD
7. FIBER PATCH BAY
8. BITTREE DSKP124FL-LCD
9. VIDEO PATCH BAY
10. BITTREE B64T-1MWNHD
11. AUDIO PATCH BAY #1
    BITTREE B96DC-HNPIT/ID M20U12B
12. AUDIO DSP
    BSS AUDIO BLU-805
13. SWITCHER/PROCESSOR
    CRESTRON DMPS3-300-C
14. AUDIO DSP EXPANDER
    BSS AUDIO BLU-BOB 1 U1V
15. AUDIO PATCH BAY #2
    BITTREE B96DC-HNPIT/ID M20U12B
16. CATEGORY 6 STP PATCH BAY #2
    BITTREE DSKP124FL-C6FSD
17. DRAWER #1
18. ALS TX
    GENTNER TX-37A U1V
19. CAPTURE SYSTEM
    ECHO 360 SAFE CAPTURE PRO (OFE)
20. BLANK
21. BLANK
22. BLANK
23. BLANK
24. RACK MOUNT POWER CONDITIONER #2
    SURGEX SX1120RT
25. BLANK
26. SS1 SLIDING DRAWER
   ALWAYS ON
   120VAC CIRCUIT #1
   FRONT TO 120VAC CIRCUIT #1
   SWITCHED REAR
   CLIENT COURTESY OUTLET
27. RACK MOUNT POWER CONDITIONER #3
    SURGEX SX1120RT
28. BLANK
29. SS1 SLIDING DRAWER
   ALWAYS ON
   120VAC CIRCUIT #2
   FRONT TO 120VAC CIRCUIT #2
   SWITCHED REAR
   CLIENT COURTESY OUTLET
30. DMPS3-300-C
31. PODM POWER SUPPLY
32. POE INJECTOR
33. AUDIO DSP
    BSS AUDIO BLU BOB 1
34. TOUCH PANEL BASE #1
35. CAMERA
36. CAPTURE
37. DATE BY
38. REV

274116-001.012rev2
5-2-16 malexik

BARR & BARR, INC
UMass Amherst – Chapel Renovation
B&B JOB NO: 15202
SUBMITTAL N
274116-001.012rev2
DATE:
5-2-16
REVIEWED BY:
maloxik
REVIEWED FOR CONFORMANCE WITH CONTRACT INFORMATION AND SUBMITTED IN ACCORDANCE WITH GENERAL CONDITIONS IN THE CONTRACT
ANTENNA SPLITTER
SENN. ASA1/NT U1V
W/LESS R'CVR #1
SENN. EM-500-G3
W/LESS R'CVR #2
SENN. EM-500-G3 GA3
W/LESS R'CVR #3
SENN. EM-500-G3
W/LESS R'CVR #4
SENN. EM-500-G3 GA3

EQUIPMENT RACK
SKB / 15SKBR916U20  (36.6” H X 27.25” W X 29” D)

RACK MOUNT POWER CONDITIONER
SURGEX SX1120RT

DRAWER #2
MIDDLE ATLANTIC D2

DRAWER
MIDDLE ATLANTIC D3

CD PLAYER - DOCK
TASCAM CD-200IL

BD PLAYER
DENON DN-500-BD

ALWAYS ON
REAR
TO 120VAC
CIRCUIT #1
SWITCHED
REAR
CLIENT COURTESY
OUTLET
FRONT

PROJECT REVISION: ----
BARR & BARR, INC.
UMass Amherst – Chapel Renovation
B&B JOB NO: 15202
SUBMITTAL NO:
274116-001.013rev2
DATE: 5-2-16
REVIEWED BY: malewik
REVIEWED FOR CONFORMANCE WITH UNIV HALL INFORMATION AND SUBMITTED IN ACCORDANCE WITH GENERAL CONDITIONS IN THE CONTRACT

274116-001.013rev2
5-2-16 malewik
THE PLANAR USB EXTENDER MUST BE USED.

BARR & BARR, INC.
UMass Amherst – Chapel Project
B&B JOB NO: 15202
SUBMITTAL NO: 274116-001.017rev2
DATE: 5-2-16
REVIEWED BY: malexik

REVIEWED FOR CONFORMANCE WITH CONTRACT INFORMATION AND SUBMITTED IN ACCORDANCE WITH GENERAL CONDITIONS OF CONTRACT.

AV-2.1
[Arup] Power is not optional - provide (4) quad outlets behind video wall per AV 401 (consistent with power shown here).
EQUIPMENT RACKS (2)

ACCESSORIES:
1. 5-RS-20 RUNNER KIT
2. (2) 5-FAN-K TOP FAN KIT
3. (2) CAB-COOL CREDENZA FANS
4. PD-815-SC-NS & PB-5A BRACKET

RACK MOUNT POWER CONDITIONER #1
SURGE\X SX1120RT

RACK MOUNT POWER CONDITIONER #2
SURGE\X SX1120RT

CATEGORY 6 STP PATCH BAY
BITTREE DSKP124FL-C6FSD

FIBER PATCH BAY
BITTREE DSKP124FL-LCD

VIDEO PATCH BAY
BITTREE B64T-1MWNHD

AUDIO PATCH BAY
BITTREE B96DC-HNPIT/ID M20U12B

VIDEO WALL PROCESSOR #1
PLANAR QUAD CONTROLLER

VIDEO WALL PROCESSOR #2
PLANAR QUAD CONTROLLER

VIDEO WALL PROCESSOR #3
PLANAR QUAD CONTROLLER

AUDIO DSP
BSS AUDIO BLU-805

SWITCHER/PROCESSOR
CRESTRON DMPS3-300-C

VIDEO WALL REMOTE POWER SUPPLY #1
PLANAR CLARITY MATRIX

VIDEO WALL REMOTE POWER SUPPLY #2
PLANAR CLARITY MATRIX

SWITCHER/PROCESSOR
CRESTRON DMPS3-300-C

POWER AMPLIFIER #1
EXTRON XPA-2002

POWER AMPLIFIER #2
EXTRON XPA-2002

W/LESS R'CVR #1
SENN. EM-500-G3

W/LESS R'CVR #2
SENN. EM-500-G3 GA3

ANTENNA SPLITTER
SENN. ASA1/NT

ALS TX
GENTNER TX-37A U1V

POWER AMPLIFIER #1
EXTRON XPA-2002

DVD PLAYER
DENON DN-500BD

SWITCHER/PROCESSOR
CRESTRON DMPS3-300-C

W/LESS R'CVR #1
SENN. EM-500-G3

W/LESS R'CVR #2
SENN. EM-500-G3 GA3

VENT
DRAWER
MIDDLE ATLANTIC D2

VENT
VENT
VENT

ALWAYS ON
REAR
TO 120VAC CIRCUIT #1
SWITCHED
REAR
CLIENT COURTESY OUTLET
FRONT

ALWAYS ON
REAR
TO 120VAC CIRCUIT #2
SWITCHED
REAR
CLIENT COURTESY OUTLET
FRONT

ALWAYS ON
REAR
TO 120VAC CIRCUIT #3
SWITCHED
REAR
CLIENT COURTESY OUTLET
FRONT

ALWAYS ON
REAR
TO 120VAC CIRCUIT #4
SWITCHED
REAR
CLIENT COURTESY OUTLET
FRONT
SERVICES BY OTHER TRADES

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>HEIGHT</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>2 GANG BOX, 3 1/2&quot; DEEP</td>
<td>6' 6&quot;</td>
<td></td>
</tr>
<tr>
<td>☑</td>
<td>FLOORBOX - FSR-FL-600P</td>
<td>60&quot;</td>
<td>AFF</td>
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</tbody>
</table>

AV ELECTRICAL PLAN

FLOOR MOUNTED AC DUPLEX OUTLET (120V UON)
WALL MOUNTED AC DUPLEX OUTLET (120V UON)
WALL MOUNTED DATA OUTLET
FLOOR MOUNTED DATA OUTLET

BARR & BARR, INC.
UMass Amherst – Chapel Renovation
B&B JOB NO: 15202
SUBMITTAL No: 274116-001.024rev2
DATE: 5-2-16
REVIEWED BY: malexik
REVIEWED FOR CONFORMANCE WITH GENERAL CONDITIONS IN THE CONTRACT AND SUBMITTED IN ACCORDANCE WITH CONTRACT INSTRUCTIONS.
THIS PORTION OF DRAWING DEPICTS A TYPICAL INSTALLATION. ACTUAL INSTALLATION TO BE FIELD DETERMINED

FLAT PANEL:
CHIEF XTM1U
69 lbs

OPTIONAL SPEAKERS:
N/A

MOUNTING BRACKET:
CHIEF XFM1U

FLAT PANEL WEIGHT:
69 lbs

SIDE VIEW

FLAT PANEL DISPLAY DIMENSIONS:

FRONT

SIDE

SIDE VIEW

SECTION A-A

This is a schematic representation of a flat panel display installation. It includes dimensions and details such as the top and bottom of the display, flat panel weight, and mounting bracket specifications. The drawing also includes notes on flat panel detail and a section labeled A-A for further technical information. The project is related to UMass Amherst - Chapel Renovation with the submission number 274116-001.027rev2 and reviewed by malexik on 5-2-16.