I. GENERAL

The following changes, additions, or deletions shall be made to the listed documents as indicated, and all other conditions shall remain the same. Acknowledgement of receipt and incorporation of all directions contained herein is a condition of a responsive proposal.

II. REVISIONS TO THE REQUEST FOR PROPOSAL (BID DOCUMENTS)

A. 07 – Price Proposal Form
   
   DELETE original page 5 listing alternates
   REPLACE with revised page 5 listing alternates to include #7 – Zebrafish Lab fit-out.

B. 25 - University Furnished Information
   Add the following to the University Furnished Information Table of Contents sheet:

   29. UCR FURNISHED EQUIPMENT CUT SHEETS

<table>
<thead>
<tr>
<th>No.</th>
<th>Title:</th>
<th>Prepared By:</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.</td>
<td>Camera Cut Sheets</td>
<td>Sony Electronics, Inc.</td>
<td>03/10/2016</td>
</tr>
</tbody>
</table>

III. DESIGN BUILDER QUESTIONS & ANSWERS **

** Refer to previously distributed addenda for earlier Q&A not listed below.

<table>
<thead>
<tr>
<th>Q179</th>
<th>Addendum 08 defines the zebrafish lab equipment to be provided by UCR. Please confirm if the Design-Build Team is to include all of the following items in the Base Bid for the zebrafish lab?</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Wall, floor, ceiling and door finishes</td>
</tr>
<tr>
<td>b.</td>
<td>Equipment seismic anchoring at floor</td>
</tr>
<tr>
<td>c.</td>
<td>Equipment seismic anchoring at ceiling</td>
</tr>
<tr>
<td>d.</td>
<td>In wall backing</td>
</tr>
<tr>
<td>e.</td>
<td>Any shelving requirements</td>
</tr>
<tr>
<td>f.</td>
<td>Stainless steel sink at holding room</td>
</tr>
<tr>
<td>g.</td>
<td>Floor trench drain and floor sink</td>
</tr>
<tr>
<td>h.</td>
<td>Dedicated fan coil unit including temperature and humidity controls</td>
</tr>
</tbody>
</table>
i. IHW, ICW and RO lines to under counter tank washer
j. IHW, ICW to aquatic quarantine from sink.
k. RO from aquatic RO system to fish tank in aquatic quarantine room
l. Main breaker, panels, receptacles, equipment connections
m. Lighting as defined in Basis of Design
n. Security card reader(s)

Please confirm if the Design-Build Team is responsible for regulating incoming water temperature and pressure as defined in the Basis of Design?

A179

Zebrafish direction in Addendum 8 has been revised to an ADD ALTERNATE with this addendum. Please see attached documentation. For quick clarification Zebrafish lab equipment will be OFOI. Utilities and capacity will be CFCI (including temp and pressure regulation). See RFI response 180 for additional comment.

Q180

Addendum 08 references a zebrafish lab quarantine room but no room diagrams or data sheets have been provided. Please provide a room diagram and data sheet for the zebrafish lab quarantine room.

A180

Zebrafish direction in Addendum 8 has been revised to an ADD ALTERNATE with this addendum. Please see attached documentation. Intent is for the DB teams to provide adequate structural, mechanical, electrical, plumbing, utility connections (stubs) within one (1) 660 sqft 'garage' core space to accommodate OFOI equipment. Please include RFI 179 mentioned items (a), (g), (h), valve stubbed (i) (j) (k), and items (l), (m), (n). Suite will be set up for holding and quarantine by UC researcher.

Q181

In planning the development of the model required by the RFP, it’s become apparent that making the model slightly larger will allow us to include all of the pertinent surrounding improvements at a standard scale (in this case, 1” = 20’0”). This will result in a better representation of our project concept. We request the option to make the model 36” x 48” in lieu of the specified 36” x 36”. We request the response to this RFI be expedited.

A181

This is acceptable. Please be advised that no additional points are allocated for this increase.

Q182

Reference Section 7.6, Page 7.6-11 Building Technologies Systems: Must have a fixed security camera monitoring all lab benches in the open labs. Please note that all entry/exit points into the lab spaces and interior corridors are being monitored by the CCTV system. Please confirm this will suffice the requirement of the referenced section.

A182

7.6-11 has been revised. Please see new quantities identified in RFI 175.

Q183

Reference: MRB1 Specifications 26-0526-6 3.3A Counterpoise Grounding System. Counterpoise grounding is not a code requirement or standard practice for this type of building construction and has been deleted on similar U.C. projects. Will the university allow the elimination of a building grounding counterpoise?

A183

Counterpoise grounding is not required for this project.

Q184

Reference: MRB1 Specifications 26-0526-5N Lighting Protection System. Riverside has one of the lowest average lightning flash density (in flashes/km2/year) in the United States. In our experience on UC projects, this is generally not required. Will the university allow the elimination of a building lighting protection system?
A184  Lighting protection system is not required for this project.

Q185  Article 2 of the Agreement indicates “the Option for Phase 2 and 3 may be exercised at any time after the acceptance of…Phase 1”. What duration should the DBT expect for the University to exercise this Option? The Preliminary Schedule issued with the RFP indicates that it will occur before the completion of Phase 1 (so that Phases 2 and 3 will begin on day 61). Please clarify. Is the University review and acceptance of Phase 1 documents to be conducted within the 60 day duration of Phase 1? If so, how much time should the DBT allow for this activity?

A185  The execution of Phases 2 and 3 are contingent upon Regents Approval (as clarified in revised documents of Addendum 9). Regents Review is scheduled for the week of July 18th (during the Phase 1 Design Development period). Upon DBT completion of Phase 1 (and project approval by UC Regents), University has the option to execute Phases 2 and 3 (concurrently). Notice to Proceed with phases 2 and 3 is expected to be provided August 1, 2016. See RFI 186 for additional comment.

Q186  Article 5 – in the Phase 2 and 3 description, states “…any days between the completion of Phase 1 and the exercise of the Option, will be added…” Note that this conflicts with The Preliminary Schedule furnished with the RFP which indicates that Phase 2 & 3 will be via the same NTP, 60 days after Phase 1 NTP. For planning, staffing and cost purposes, how many days should the DBT allow?

A186  The BD Team shall commence the Work for Phase 1 on the date specified in the Notice to Proceed for Phase 1. The BD Team shall complete the Work for Phase 1 within 60 days. Upon UC Regents' project approval (the week of July 18th), University has the option to execute Phases 2 and 3 (concurrently). Notice to proceed with Phases 2 and 3 is expected to be provided August 1, 2016. See RFI 185 for additional comment.

Q187  General Conditions Article 3.16.11 indicates that the Design Builder should assume that, “…the University will exercise its Option for Phase 3 within 30 days of the completion of Phase 2…” This conflicts with the implied concurrent NTP of Phases 2 and 3 indicated in Article 5 of the Agreement. Please clarify.

A187  Design builder shall cooperate with University's Representative in the development of the Contract Schedule and updated Contact Schedules. University has the option to execute Phases 2 and 3 concurrently. University has the option to exercise Phase 3 within 30 days of the completion of Phase 2. After the University exercises its Option for Phase 3, the Design Builder shall modify its Contract Schedule to reflect the actual date that the University exercises its Option for Phase 3.

Q188  Specification Section 01 1000.1.4 indicates that Phase 1, 2 and 3 will have separate NTP’s based on approval of the prior Phase. This seems to be in conflict with the Agreement. Please clarify.

A188  Please refer to responses for RFI 185, 186, 187 for clarification.

Q189  Reference: MRB1 Basis of Design Section 7.3 Page 7.3-19. The BOD requires conduit for Fire Alarm Conductors. Will the university consider allowing Fire Rated MC Cable for Fire Alarm conductors?

A189  The backbone of the fire alarm system shall be traditional EMT conduit, boxes, etc.; Fire Rated MC Cable may be used to connect device back-boxes to backbone, and must be sized to allow...
Addendum 5, Q 66 only addresses gas outlets. Our question also asked for Air and Vacuum outlets.

Please provide gas quantities as described in BOD, with the exception of Natural Gas, which has been reduced in scope in a separate Addendum.

Reference: MRB1 Basis of Design Section 7.3.6 Page 7.3-11
Each automatic transfer switch shall be 3-pole and provided with a bypass isolation switch. Will the university accept standard open transition, non-isolation bypass type switches?

Yes, provided that the equipment has permanent signage listing its operating procedures (instructions).

In the Basis of Design, Section 3.9 Equipment Schedule (page 122 and 123 of 750) lists a four foot fume hood in room LS3.1, which has also been confirmed in Addendum 8. Room Data Sheets for LS3.1 (page 404 and 405 of 750) do not list or depict a fume hood though. Conversely, the Room Data Sheet for LS3.3 (page 409 of 750) depicts a four foot fume hood, but the LS3.3 fume hood is not listed on the Equipment Schedule. Please clarify the fume hood requirements for LS3.1 and LS3.3

Room Data Sheets LS3.1 and LS3.3 were revised in Addendum 8. Please see attached copies of these revised RDS.

Reference Section 7.3, Page 7.3-15 Electrical Systems: In the administration offices, open offices, workstations, workrooms and labs where a ceiling is under 10 feet, the type of fixture identified is a recessed, direct-indirect, static, LED troffer. The requirement of a direct-indirect fixture for a recessed application is more prevalent in a fluorescent application where the need to conceal the lamps is required to reduce glare for the users. When using recessed LED fixtures, the new industry standard is to utilize a “volumetric” style fixture similar to a Lithonia 2BLT or Metalux 24ALN (cut sheets attached for reference) to provide the required foot candle levels in an evenly distributed, non-glaring light pattern. Please confirm that the use of a “volumetric” style fixture similar to the samples provided is acceptable. (Attachment 63)

No exception taken.

Reference: MRB1 Basis of Design Section 7.2.11.8 Page 7.2-21
The fume hood automatic sash closing mechanism shall be on UPS and emergency power to enable operation during emergency conditions.
Will the university allow the elimination of UPS power and accept emergency power only from the generator to this equipment?

All fume hood automatic sash closing mechanisms shall be served by the same emergency power system as the fire smoke dampers.

The Request for Proposal (Section 2.5, page 11 of 14) notes that, “Phases 2 and 3 are contingent upon funding…” but does not indicate any anticipated stoppage between the end of Phase 1 and the start of Phases 2 and 3 (which are also implied to start at the same time). Additionally, it indicates the Project shall be completed on or before October 1, 2018. This date is not stated in the Agreement and is unclear if it can be met without the clarifications requested above. (RFI Questions 199-202)
A195 Phases 2 and 3 are contingent upon funding (UC Regents' approval); please see responses to RFI 185, 186 & 187 for additional clarification. The Agreement (Tab 12) describes the components of the Contract Time. Contract time is dependent on 1) duration DBT uses to complete Phase 1; 2) final Regents' approval for funding in July; 3) duration DBT uses to complete Phases 2 and 3. Total allotted contract time is 850 calendar days. The Project shall be completed on or before October 1, 2018. Design Builder has the option to complete all contractual obligations before October 1, 2018.

Q196 Article 5: Please confirm that the 790 days from NTP for Phases 2 and 3 are to Substantial Completion.

A196 Confirmed.

Q197 In the Vivarium, the procedure rooms (V2.1)(program sheet attached) and surgery (VB3.1)(program sheet attached) indicate a handwashing sink with potable hot and cold water. The room diagram appears to be a counter-mounted sink, which would have a potential use for equipment washing. Please confirm the procedure room and surgery sink should be served with potable water and not industrial water.

A197 Please provide potable water as directed. Sink in V2.1 and VB3.1 are intended for handwashing and washing of equipment.

Q198 Please provide the following attachments that are missing from Addendum 8 – Zebrafish Holding ad Quarantine Design Criteria: VZ1.0 – Aquatic quarantine room diagram and data sheet, C1.4- Aquatic Holding room data Sheet.

A198 Please refer to responses to RFI 179 and RFI 180 for clarification.

Q199 Addendum 9 -Q/A172 regarding HVAC load sizing refers to an attachment that was provided with the question. The answer addresses the attachment (Proposed BOD per UCI and Proposed Load Criteria). Please provide the attachment that was submitted with the question.

A199 The table in question has been included (see attached). Please incorporate the following into the basis of design as indicated in response to RFI 180. • 100% diversity of Vivarium AHU and Exhaust systems shall remain. • No exception to 75% diversity for the Central Lab AHU and Central Lab Exhaust System. • No exception to proposed equipment, people, and lighting loads. • Use ASHRAE Region X data for Riverside, CA. Outdoor 0.1% summer condition of 106°F/71°F dB/wB and “Median of Extremes” winter condition of 29°F. • DBT shall conform to the room environmental criteria specified in Section 7.2.13.3.

Q200 After reviewing the basis of design section 3.4.9, subsection (Environmental Control System ) with Edstrom, Inc. the following issues have been raised. The Enstrom “Watch Dog” System can only monitor but not control temperature, humidity or air volume. Please clarify that controlling the aforementioned systems will not be required though the “Watch Dog” monitoring system.

A200 The building direct digital control (DDC) system shall be capable of controlling room pressurization. Please provide differential pressurization monitoring and access monitoring in the Vivarium.

Q201 After reviewing the basis of design section 3.4.9, subsection (Environmental Control System) with Edstrom, Inc. the following issues have been raised. The Enstrom “Watch Dog” System...
cannot adjust room pressurization. Please clarify that room pressurization will not be required though the “Watch Dog” monitoring system.

A201 The building direct digital control (DDC) system shall be capable of controlling room pressurization. Please also provide differential pressurization monitoring and access monitoring in the Vivarium.

Q202 Can the DCFM attend the next confidential one on one meeting?

A202 Confirmed. DCFM shall participate for 30 minutes with each design team.

IV. ATTACHMENTS

A. 01 2300_alt_Adden10.pdf
B. 07 Price Proposal form_Adden10.pdf
C. LS3.1_Adden10.pdf
D. LS3.3_Adden10.pdf
E. RFI 199 Response.pdf

End of Addendum