ADDENDUM 1

DATE: March 28, 2017
PROJECT: Laboratory Information System (LIS) and Data Migration
RFP NO: 744-R1715
OWNER: The University of Texas Health Science Center at Houston
TO: Prospective Bidders

I. The following are revisions to the general information provided in the RFP 744-R1715 posted March 21, 2017:

Table of Contents, Attachments

Exhibit A - UTHealth IT Security Standards

II. The following are University’s responses to bidder’s questions received by the Question Deadline on April 5, 2017, 11:00 AM CST.

1. With respect to Section 5 “Specifications And Additional Questions”, 5.2.2, A, 6 “Billing Module”, please provide clarification regarding the types of Billing to be performed by the LIS. For example, is Client Billing desired? Is patient billing desired?

Answer: University is seeking the billing module for both client and patient billing.

2. With respect to Section 5 “Specifications And Additional Questions”, 5.2.2, I “Comply with IT Security standards”, please provide clarification regarding the IT Standards desired. Are these IT Standards included with the RFP? If not, where can the IT Standards be found for review?

Answer: See Exhibit A (UTHealth IT Security Standards) of the RFP.

3. With respect to Section 5 “Specifications And Additional Questions”, “Surgical Module” items 5.3.15, a and 5.3.15, b, please provide further details for the Reports desired. For example, what information should be included on the Reports?

Answer: The surgical reports should include logo, department contact info, patient demographics, specimen #, dates collected, received and reported, ordering md, copy to md, diagnosis statement, gross description of specimen, site and type of specimen, type of report, CPT code, ICD-9 code, teaching statement, special stain info, report status, pathologists signature, specimen images and diagrams.

4. With respect to Section 5 “Specifications And Additional Questions”, 5.3.25, m “Reports”, please provide further details for the Protocol Reports desired. For example, what information should be included on the Reports?

Answer: Reports should include information mandated by CAP, CLIA, cancer registry in addition to reports listed on item 5.3.25, h of the RFP.

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5. With respect to Section 6 “Pricing And Delivery Schedule”, in addition to the Volume and User statistics given in Section 5.4 “Scope of Work, please provide further breakdown of Volume and User information as follows:

**SoftPathDx - Anatomic Pathology:**

- Total number of workstations
  
  Answer: 50 licenses (includes ALL specialties)

- Total number of concurrent users: please identify how many concurrent users will be accessing the system at any given time
  
  Answer: 75 concurrent users total (includes ALL specialties)

- Number of specimens processed annually

  Answer: Pathology = 32,541 specimens  
  Dermatology = 9,969 specimens

- Number of tests performed annually

  Answer: Pathology = 24,233 cases  
  Dermatology = 9,969 cases

- Number of surgical cases per year

  Answer: Pathology = 3695 cases  
  Dermatology = 9968 cases

- Number of medical cytology cases per year

  Answer: Included in surgical cases above.

- Number of Gyn-cytology cases per year

  Answer: Pathology = 12,514 cases

- Number of autopsy cases per year

  Answer: Pathology = 0 cases

- List of instruments including instrument name, vendor name, model, and quantity**

  Answer: See table below.
<table>
<thead>
<tr>
<th>Instrument</th>
<th>Model Info</th>
<th>Type</th>
<th>Will instrument be connected at Go-Live?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pathology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Panther by Hologic</td>
<td>902615</td>
<td>Instrument</td>
<td>Yes</td>
</tr>
<tr>
<td>TPID/Omnis/Artesian System by Dako / Agilent</td>
<td>TPID version 1.03</td>
<td>Instruments, interface, DB Server,</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>instruments tracking</td>
<td></td>
</tr>
<tr>
<td>ThinPrep Imaging System by Hologic</td>
<td>70564-001</td>
<td>Instrument</td>
<td>Yes</td>
</tr>
<tr>
<td>Intellipath by BioCare Medical</td>
<td>IPS0001US</td>
<td>Instrument</td>
<td>No</td>
</tr>
<tr>
<td>Dako / Agilent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gatan 1 CCD Camera</td>
<td>830 Orius</td>
<td>Instrument</td>
<td>No</td>
</tr>
<tr>
<td>Gatan 2 CCD Camera</td>
<td>830 Orius</td>
<td>Instrument</td>
<td>No</td>
</tr>
<tr>
<td>Digital Camera WS</td>
<td>Research Use Only</td>
<td>Instrument</td>
<td>N/A</td>
</tr>
<tr>
<td>Motic Imaging System</td>
<td>Not used for DX</td>
<td>Instrument</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Dermatology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tissue Tek Prisma</td>
<td>Prisma - A1D</td>
<td>Instrument</td>
<td>No</td>
</tr>
<tr>
<td>Tissue Tek VIP by Sakura</td>
<td>VIP 3000 Bench</td>
<td>Instrument</td>
<td>No</td>
</tr>
<tr>
<td>Tissue Tek Glass by Sakura</td>
<td></td>
<td>Instrument</td>
<td>No</td>
</tr>
<tr>
<td>Laser Cassette Marker by Geneva Data</td>
<td>CL-01</td>
<td>Instrument</td>
<td>No</td>
</tr>
<tr>
<td>Signature Slider Painter by Primera</td>
<td></td>
<td>Instrument</td>
<td>TBD</td>
</tr>
<tr>
<td><strong>Total Instruments</strong></td>
<td>13</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SoftMolecular - Molecular Diagnostic:**

- Total number of workstations
  
  **Answer:** 50 licenses (includes ALL specialties)

- Total number of concurrent users: please identify how many *concurrent users* will be accessing the system at any given time?
  
  **Answer:** 75 concurrent users total (includes ALL specialties)

- Number of Specimens processed annually
  
  **Answer:** Pathology = 5355 cases

- List of instruments including instrument name, vendor name, model, and quantity**.
  
  **Answer:** Please see table above.

- Does the laboratory currently have a molecular software module? Please provide name of the application / vendor.
  
  **Answer:** AP Easy software
If yes, is a data upload from existing molecular system required? Do you need a data conversion?

**Answer:** TBD

**SoftAR - Accounts Receivable:**

**Answer:** 50 licenses (includes ALL specialties)

- Total number of concurrent users: please identify how many *concurrent users* will be accessing the system at any given time.

  **Answer:** 75 concurrent users total (includes ALL specialties)

- Number of billable tests per year

  **Answer:** Pathology = 24,233 cases  
  Dermatology = 9969 cases

- Please specify the current billing system / vendor that you use and if you need data conversion?

  **Answer:** The data conversion requirements TBD.  
  Current System: Pathology = McKesson Billing Services  
  Dermatology = IDX

**SoftMedia - Document and Image Management:**

**SoftMedia for Genetics**

**Answer:** The Pathology and Dermatology departments do not have a genetics sub-specialty.

- Instrument Image and Document Storage  
  Does University plan to store any kind of images and/or documents (i.e. PDFs) for genetics orders, such as from an instrument?

  **Answer:** Yes.

  a. Number of orders per day with images and/or documents:

    **Answer:** Approximately 4 renal biopsy cases/day

    Average number of images per order expected to be stored:

    **Answer:** 8 images per order to be stored

    a. Average number of documents (i.e. PDFs) per order expected to be stored:

    **Answer:** Approximately 5 pages of supporting documents are scanned in per renal biopsy case; currently, approximately 800 - 900 cases/year.

- Will any documents be scanned?
Answer: Yes.

- Genetics Reports
  Answer: The departments do not have a genetics sub-specialty.

- Existing Images and/or documents
  Are there images or documents currently existing that may need to be imported into the SoftMedia repository? If yes…

  a. How many?
  Answer: Renal biopsy images: approximately 140,000 (6 years);
         31,000 (2016)
  EM images: approximately 198,000 (since 2003);
         25,000 (2016)

  b. Average file size?
  Answer: Renal biopsy images: 45GB/140,000 = approximately 325
         kb/image
         EM images: 93GB/198,000 = approximately 470 kb/image

  c. What is the total space currently used to store the images in GBs?
  Answer: Renal biopsy images: 45GB (6 years); 10 GB (2016)
         EM images: 93GB (since 2003); 9.3 GB 2016

  d. What are the file formats?
  Answer: Renal biopsy images: JPG
         EM images: JPG

6. With respect to Interfaces, in addition to the Interface information UTHealth provided, please provide
   the following additional information:

   Reference lab Interface:
   Please list the name of the reference Lab interface (Mayo, Quest, LabCorp, ARUP, etc.) and specify
   all of them and which sites uses which reference lab vendor.

   Answer: Yes—GenOpix, LabCorp, ARUP, MDX, Genomics, Decipher, Mayo Clinic, Alliance, Known
           Air, MD Anderson.

   Regarding Instrument interfaces, the following information is required:

   These instruments mentioned in the RFP are currently in place in the laboratory that the
   University wants the LIS application to interface to these instruments at Go Live. Therefore, if there is
   an old instrument that the University will be removing or is not going to use by or before the Go Live,
   then can the University please not include it? Also, please specify the Manufacturer for each
   instrument as well as for each module (Anatomic Pathology, Molecular, etc…) and specify whether
   these are standard Instruments...or part of Robotic Line (i.e. Beckman Power Processor). Please
   advise if there are any “Data Manager” or “Middleware” - devices in place? What, if any, instruments

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are attached to it. Please include the name and model # of each instrument and the total quantity of each instrument type

Answer: See table above.

END OF ADDENDUM 1