

KANSAS CITY AREA TRANSPORTATION AUTHORITY

REQUEST FOR PROPOSALS (RFP) #F20-5013-34B Network Infrastructure Equipment Refresh

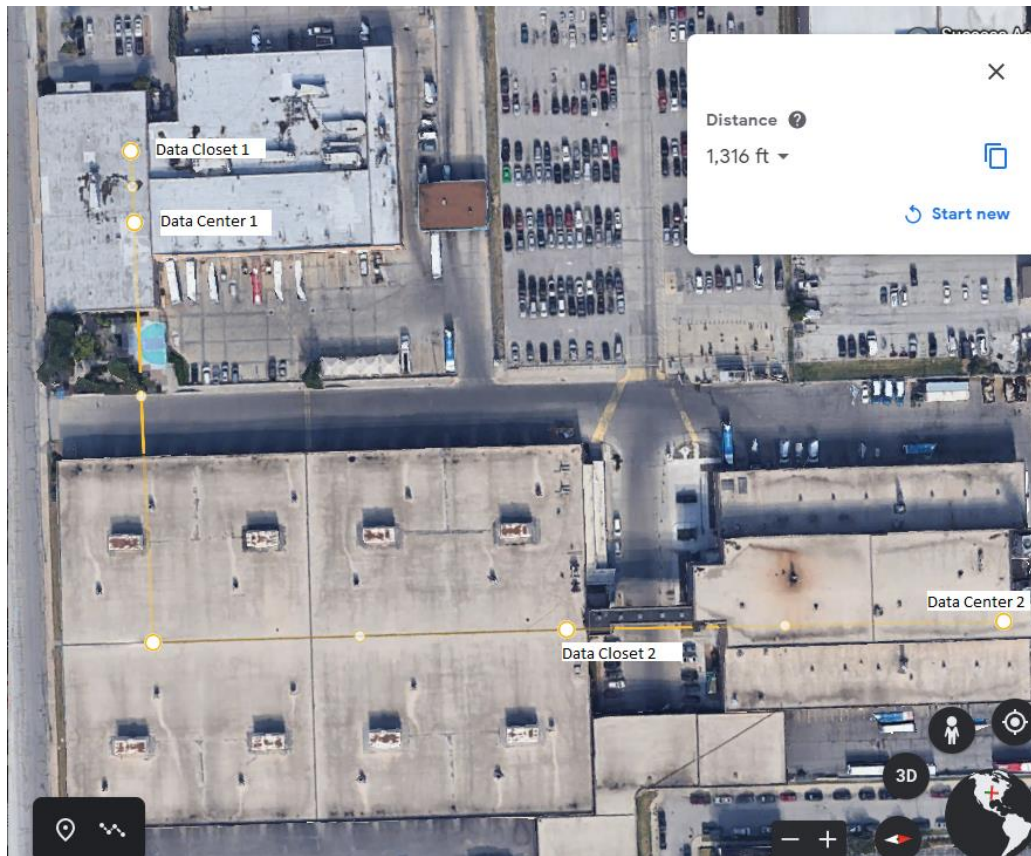
ADDENDUM #2

Issue Date: September 4, 2020

This Addendum is hereby made a part of the Request for Proposals and Project Documents to the same extent as if it was originally included therein and is intended to modify and/or interpret the bidding documents by additions, deletions, clarifications or corrections. The Contractor shall acknowledge receipt of this Addendum in their Proposal on the "Receipt of Addenda" form (herein attached) and shall include the form in Volume III, "Contractual."

PROPOSAL CLARIFICATIONS

1. Is the Server and Storage in a single location today, and if not what is the break out of them per location? **KCATA currently utilizes two data centers. The primary data center holds approximately 70% of the overall compute and storage. The rest is in the secondary data center, which also serves as the site's main location for voice and internet services and is the location of our current firewall solution.**
2. Will integrators be allowed on site to perform a site walk through? I understand the compressed time frame will make this difficult. **Due to Covid-19 the KCATA is currently closed to the public.**
3. Are there performance expectations or thresholds for the proposed solution? **Performance thresholds will be evaluated and considered as part of the selection process. Any designed standards and thresholds should be included in your proposal; however, we do not have any pre-defined goals or expectations.**
4. Are there any predisposed preferences to a particular manufacturer? (we understand your preference to VMware). **No.**
5. What software licensing is to be included?
 - VMware vCenter and ESXi host licensing? **YES**
 - Microsoft Windows Server Datacenter 2019 core licensing? **NO**
 - Backup software licensing like Veeam or other backup software? **YES**
6. Are guest OS's expected to be updated as part of this project as they're migrated to the new infrastructure? **YES, where possible. KCATA will work with software vendors as required for OS upgrades.**
 - If we are updating the OS, we will need to know more about the specifics and compatibility issues.
7. What is the bandwidth for the connection between the primary site and the secondary site for DR? **We have a 10G Fiber connection between our buildings on campus. The datacenters are approximately 1300 feet (400 Meters) apart. See site map below.**



8. Will you need new racks, PDU and UPS systems or are you using existing infrastructure? **Yes. The new system should include all required elements including rack, PDU, UPS, etc. It is anticipated that this will be installed alongside our current infrastructure for the transition. The current infrastructure will be decommissioned on a later date.**
 - o Both locations? **Yes. If the design calls for dual data centers.**
9. Can you provide a current topology map of your IT environment? **The screenshot above shows the relative location and distance between server rooms and data closets.**
10. Are there specific models and quantities you are looking to replace? If not, from the list of servers, storage and core switching equipment, can you provide location ie MDF, IDF1, IDF2, of the equipment? **No specific models or rack location, etc. We are asking for a complete redesign that will replace all the equipment listed in the RFP.**
11. What is the minimum runtime objective for the equipment on UPS? **All sites are currently on generator backup. UPS based uptime should be specified in the bid response, but no range has been specified.**
12. Do you need remote monitoring and temp/humidity sensors? - **Temp and humidity sensors are monitored separately and not required in this RFP.**
13. Does KCATA want a hyper converged infrastructure system? **We believe that a hyper converged system is a good fit for our circumstances, but the RFP is not limited to this configuration.**
14. Does KCATA have any virtual technology? **We currently have limited VMWare installations. Most of the current infrastructure is physical.**
15. Does KCATA want to stay with HP? **We will evaluate all hardware options presented.**

16. Does KCATA want to have virtual machines built and migrate data OR migrate physical machines to virtual machines as is? **Most of the current infrastructure is physical. Physical to Virtual migration would be required.**
17. How many HP chassis does KCATA use? **Please see the RFP for the total number of servers. The number of chassis is not relevant.**
18. We are requesting a 2-week extension on the submission due date. **Due to the strict timeline, KCATA is unable to change the closing date of this RFP.**
22. What retention would you like for your backups?
- How many days in "Active Tier" backup? **90 days (or vendor recommendation based on best practices)**
 - What is the frequency and term of "Long Term Retention" backups? **7 Years**
 - Will you be replacing tape? **Yes**
23. In Scope data set
- Total amount of data? **We currently backup around 5 TB; however, that does not include some new applications. Backup designs should be flexible and allow for growth.**
 - Data breakdown:
 - o VMware? **5. We currently have three VM hosts running around 20 virtual servers. All future designs should be based on virtualization**
 - o SQL (or other DBs)? **See top 10 list in RFP.**
 - o File data (traditional file data)? **2 to 3 TB**
 - o Rich media (videos, photos, PDFs)? **Unknown.**
 - o Cloud based applications? **Not in scope**
24. What is the estimated annual growth rate? **Unknown. Designs should be flexible.**
25. Any requirements around protection from Ransomware? **Any considerations for ransomware protection should be identified in the RFP response.**
26. Do you require racks, power, cooling as part of the solution. **Racks yes. Power and cooling will be handled by KCATA staff.**
27. What features/functionality are currently in use, (e.g. VPN, deep packet inspection, IDS/SIEM feeds, QoS, access-control, mail filtering etc)? **Currently the firewall is doing VPN, IPS, QOS and access-control. It is not doing deep packet inspection or mail filtering. We would like to consider deep packet and mail filtering as optional add-ons.**
- Firewall:
28. Please provide the current ISP(s) and capacity information. **Spectrum (200 GB), Google Fiber (1000 GB, Consolidated Communications (1000 GB). NOTE: We are planning to consolidate to two ISPs before the end of the year.**
29. What throughput is desired by KCATA for the potential firewall replacement? **Please provide recommendations and justification for the appropriate throughput based on the new network design.**
30. Should IPS services be included in the firewall solution? **No**
31. Should Anti-Malware services be included in the firewall solution? **Feel free to provide an anti-malware solution as an option.**
32. Should URL Filtering services be included in the firewall solution? **Yes**
33. Should Endpoint Protection services be included in the firewall solution? If so, how many endpoints? **No**
34. Should Client-based SSL VPN licensing be included in the firewall solution? If so, how many concurrent connections? **Yes. 100 concurrent connections.**
35. What is the required SLA for hardware replacement in the event of failure? **8x5xNBD, 24x7x4hr, other? 24x7x4hr. Feel free to quote other options if there are significant cost savings.**

Switches:

36. What is the required SLA for hardware replacement in the event of failure? 8x5xNBD, 24x7x4hr, other? **24x7x4hr. Feel free to quote other options if there are significant cost savings.**
37. How many user-facing access ports does each switch provide? **Please see the number of ports listed in the RFP.**
38. Do any ports require PoE? Is POE+ required? Is UPOE required? What is the total required PoE budget of each switch? **All ports should provide PoE.**
39. How many data-center facing ports (copper, SFP, SFP+) are required by non-server based devices - that is, ports required by devices not being replaced by this RFP? **Approximately 6-10? This may change.**
40. What type of cabling exists between data center racks, if any? Single-mode fiber, multi-mode fiber, none? **Multimode between the racks and between data centers. This is flexible based on vendor design.**
41. What is the minimum uplink speed between data center racks? 1G, 10G, any? **As fast as possible... Currently 10G.**
42. Is power supply redundancy of core and top-of-rack switches desired? **Yes**
43. What type of routing protocols are used by the existing equipment? Static, RIP, OSPF, other? **Static. We are open to change based on vendor design and best practices.**

END OF ADDENDUM #1

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RECEIPT OF ADDENDA

Proposers shall return this form when submitting their proposal as part of Volume III – Contractual. The form shall be signed and dated by an authorized representative of the firm. Failure to submit this form may deem the Bidder non-responsive. As additional addenda are issued by, please notate date received below.

We hereby acknowledge that the Addenda noted below have been received and all information has been incorporated into the Invitation for Bid as required.

Addendum #1 dated August 26, 2020 Date Received _____

Addendum #2 dated September 4, 2020 Date Received _____

Addendum #3 dated _____ Date Received _____

Company Name _____ Date _____

Address/City/State/Zip _____

Authorized Signature _____ Printed Name _____

Telephone _____ Fax _____ Email _____