



ADDENDUM 1

<b>RFB NUMBER:</b>	TE1109 – Datacenter Server Equipment & Installation
<b>ADDENDUM NUMBER:</b>	1
<b>ADDENDUM ISSUED:</b>	08/11/2020

I. CHANGES

The original Request for Bid No. TE1109: Datacenter Server Equipment Installation remains in effect except as revised by the following changes, which shall take precedence over anything to the contrary in the specifications.

- Option 1 has changed support from Production to Mission Critical Support part numbers in the Revised Cost Worksheet.
- Please provide a separate attached quote for all other manufacture hardware/software support options that are not currently specified in Option 1 or Option 2 to be considered by the Park Hill School District. This may be lower or higher levels of support. Specifically, please include SKUs and prices for ‘Production Support’ for Option 1, and ‘ProSupport’ and ‘ProSupport One for Data Center’ for Option 2.
- Page 11, Section VI. Cost Sheet, Form No. 3 has been revised to read: At a minimum, quote services from manufacturer ~~(included in Cost Worksheet)~~ and/or your firm. Please attach any supporting documentation. Please submit Revised Form No. 3, Attachment B in place of original.
- Page 11, Section VI. Cost Sheet, Form No. 3 has been revised with an addition to read:

Vendor/Manufacturer Responsible for services: \_\_\_\_\_

Services Cost: \_\_\_\_\_

Please submit Revised Form No. 3, Attachment B in place of original.

II. QUESTIONS & ANSWERS

The following questions are as they were presented to Park Hill School District. The answers to said questions have been answered as completely and accurately as possible.

Q1: Since original RFP did not contain solution sizing information for alternatives, would the district consider extending RFP close Date to August 21 at 2pm?

A: No, we will not be able to extend the deadline due to timeline constraints.



Q2: What level of support are you wanting for post installation? 24x7 onsite, 9x5NBD etc.

A: 5 Year, Remote Technical Support: 24x7x365, On-site Support: 4 Hour Mission Critical Hardware Support

Q3: Environment

- Do you have 220v power for 1600W Power Supplies? A: Yes, 220v is available
  - Type of power cables? A: C13/C14 Power Cords
- Site Layout:
  - What are the sizes of your VMs? A: Current: 255 running VM's with Averaged Setup values at: 5vcpu, 10gb RAM, 480GB Storage Used
  - Stretch/ Metro Cluster? A: Currently have separate Compute Clusters at two sites with separate storage managed by a single vCenter. We want to implement Stretch/Metro availability with new HCI solution.
  - How Many sites? A: 2 Currently, but new equipment will reside in 1 until a new secondary DC is available.
  - HA/DRS Rules (Effects VMware Licensing) A: Enterprise License level HA/DRS configurations and features are desired between the two sites.
- Workload Types:
  - VDI? A: Not Currently
  - Infrastructure? A: Primary Usage is Infrastructure. SQL Databases, File Servers, App Servers, and many services with Redundant setups
- What Hypervisor are you running? What is the software level? A: VMware (6.7) Enterprise
- How much Primary Storage do you need, what are the desired disk speeds? A: Answered in next bullet.
- How much Secondary Storage do you need, what are the desired disk speeds? A: We are seeking at least 60TB of usable storage per site (120TB or greater total usable). Storage will host server and file share data (no surveillance video will be stored on this hardware). Expecting All SSD solutions
- How many Physical Servers are you wanting to virtualize? A: None: Currently virtualized running ~260 VM's
- How many virtual servers do you need? What are the sizes of the virtual servers? A: 250-300 with average 4vCPU/8GB RAM and 500GB Disk
- How many VMs in DR setup? A: Full site failure we would still need ~100VMs running (mixture of HA vMotion and redundant servers with affinity setup for failover)
- What is your Current Network setup? A: Cisco ACI will be configured in a Multi-Pod topology.
  - Bandwidth between sites? A: 40Gbps + on district owned dark fiber

Q4: VMware Licensing

- Are you using VMware today? A: Yes
  - What Version (Essentials Plus, Standard, Enterprise)
  - How Many? A: Currently have 36 CPU Enterprise Plus
- VMware vCenter required? A: Depends on proposed solution.
  - What version (Essentials, Foundations, Standard)
  - How many? A: Currently have (1) - 6.0 Standard
- VSAN Required? How many licenses? No, it is not required



Q5: Networking

- 10GB Top of rack switch available or needed? A: Not available, depends on solution.
- Network LOM\ Card type? (10GB SFP or 10GB Ethernet) A: 10Gbps SFP
  - How many 10GB ports needed? A: 2 per host minimum
- Will you need 10GB transceivers\ DAC cables or will they provide their own?  
A: Please provide a separate attached quote for 10Gbps SFP optics necessary for the solution being bid:
  - Quantity 20 – Cisco SFP-10G-SR-S= (Cisco ACI)
  - Quantity 20 – Host recommended part number
  
- Networking Cables: A: Patch cables will be provided by the Park Hill School District.
  - Type?
  - Number?

Q6: Backup

- Current Backup Vendor?
- Backup Policies
  - Retention Policy
  
- Data Types
  - Summary of Applications
  - Unstructured Data: Video, NFS, CIFS, Photo

A: Currently backup data locally with Veeam. Backups are out of scope for this RFP.

Q7: Will you take substitutions for components in either build? Would like to know if Intel 5220R CPUs at 2.2Ghz clock speed and 24 cores are sufficient or if CPUs with equal or greater than 3.0Ghz clock speed would be required and or preferred.

A: Please include pricing for every item in option 1 and/or option 2 as requested in the Revised Cost Worksheet. If the vendor would like substitutions to be considered, please include pricing for alternate parts in the Alternate Bid tab of the Revised Cost Worksheet. Please include all part numbers required for a full build including the alternate part numbers. If the vendor would like to provide multiple alternate bids, please duplicate the alternate bid tab.

Q8: Are the underlying requirements at the network level complete to prepare for vLan stretched cluster between 2 sites?

A: These requirements will be complete. Initial installation will be completed in site 1. Park Hill School District will relocate site 2 environment once the site is prepared.

Q9: If not- Is this the responsibility of Park Hill team or the responding party?

A: The network will be the responsibility of Park Hill School District.



Q10: The RFP states: “Minimum 30 days of post-deployment configuration assistance” Will you require that engineer is on site with you for a full 30-day period after implementation?

A: No, 30 day follow up window for question and answer support or onsite assistance only if required.

Q11: With regard to the trade in equipment, when do you plan to trade that in?

- 30 days after cutover?
- 60 days after cutover?

A: Likely 90 days. A specific date and time will be agreed upon with the vendor after bid award.

Q12: With regard to trade-in, can you provide the Cisco UCS configurations? CPU, memory, HDDs, HBAs etc.

A:

	Model	Qty	CPU	Memory	Storage/HBA
Cisco	UCS B200 M4	12	(2) E5-2660 V4	256GB DDR4 (16GB DIMMs)	None
Cisco	UCS B200 M4	2	(2) E5-2660 V3	128GB DDR4 (16GB DIMMs)	None
Cisco	UCS B200 M3	4	(2) E5-2680 V2	256GB DDR3 (16GB DIMMs)	(1)120GB SATA SSD

Q13: With regard to services costs, the Excel Sheet provided does not include a line item for those costs. Can a revised version be released or will the District allow for modifications?

A: Please see Attachment B – Revised Form No. 3.



### III. ACKNOWLEDGEMENT

Each bidder shall acknowledge receipt of this Addendum No. 1 of Bid No. *TE1109: Datacenter Server Equipment & Installation* by his/her signature affixed hereto and shall attach this Addendum to the original proposal submitted. Failure to sign and submit this addendum may render your proposal Non-Responsive.

Certification by Bidder:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_ Company: \_\_\_\_\_