

#### Addendum #4

#### RFP #20-005-651 Data Center Equipment

1. The appendix on page 28 is not consistent with the specs from Section II. DATA CENTER EQUIPMENT SPECIFICATIONS: Which one should be used?  
**Use appendix as the primary source. Add any missing or alternative configurations to appendix.**
2. SAN section – Additional space options are listed on page 28 but not size or number of drives. What capacity are you looking for?  
**The bid specs are for numerous districts. They are looking for options and expansion capabilities.**
3. SAN section - are 3 and 5 year support options required as with the servers?  
**Yes**
4. Is the warranty option request for servers based on the minimum configuration of the server?  
**Include optional memory and network card in warranty.**
5. In the Server section, are the fibre channel cards required to be quoted separately?  
**Yes**
6. Regarding the Cisco switch requirements, are you open to alternative manufacture solutions?  
**No**
7. Regarding servers, are they open to Supermicro servers? Supermicro servers provide more density, compute, performance, product longevity, power & cooling savings, configurability and competitive pricing.  
**Other brands are OK to bid with as long as they are on VMWare's Hardware Compatibility (HCL) for VMWare 6.7**
8. Regarding Intel XEON CPU's are they open to Intel refresh CPU's? Cascade Lake Xeon Refresh CPU's deliver more performance. We have Cascade Lake Refresh CPUS serves available and ready to ship. The refresh CPU's are the same price but provide more performance, cores and frequency.  
**Yes we are open to alternatives. List them as an alternate. This can affect software licensing for some customers.**
9. Are they open to AMD Rome CPU's? We have AMD ROME CPU servers and systems available and ready to ship. AMD ROME CPU's provide 64 cores per socket and support PCI- Gen4 architecture. We have these solutions ready to ship also.  
**List as an alternate. Some districts may be interested.**
10. Is there a specific server qty needed per school?  
**No**

11. Can you confirm which districts we need to account for on the below (list of districts continued below)?

**4. Data Domain Backup Appliances / Maintenance**

Participating districts are looking for a backup solution that will replicate with the Data Domain at WCRESA. Due to the range of needs for the district we are looking for a variety of options including DD Boost, three (3) & five (5) year maintenance options. New alternatives to the frequently ordered DD3300-16TB unit are welcome. If new models are available which are more granular 12TB or 24 TB usable.

- EMC Data Domain DD3300
  - Get cost-effective backup, archive, and DR for entry to mid-range data centers with the EMC Data Domain deduplication storage system.
  
- There is an interest for extended maintenance for DD2200, DD2500 with ES30, DD3300.

**Location\***

Wayne County RESA (WCRESA)  
Grosse Ile Public Schools  
Gibraltar School District  
Hamtramck Public Schools  
Melvindale-Northern Allen Park School District  
Westwood Community School District  
Lincoln Park Public Schools  
Crestwood School District  
Southgate Community Schools  
Romulus Community Schools  
South Redford School District  
Livingston Educational Service Agency  
Brighton Area Schools  
Hartland Consolidated Schools  
Fremont Public School District  
Tecumseh Public Schools  
Copper Country ISD  
Monroe ISD  
Genesee Intermediate School District  
Mason Consolidated Schools (Monroe)  
Shiawassee Regional ESD  
Marquette-Alger RESA

\*Other agencies/school districts may join the Consortium at a later date

**We don't know.**

12. Given the recent lockdown announcement by the Governor, will you consider electronic submission only?

If not, are you open to any of the following:

- a. Non-wet signatures (scan/copy of signature)
- b. Pictures of documents with notarized seal

(Concern here that there's going to need to be a lot of mailing of things around (since we're under law to not be driving) and there will not be sufficient time to get everything together and mailed to you by noon 4/3/20.)

I have heard some sites are closed and not receiving shipments, Can you please confirm the address for proposal delivery is 33500 Van Born Road Wayne, Michigan 48184-2497 if physical proposal is still a requirement?

**On Tuesday, March 24, 2020, Addendum #3 to the above-mentioned proposal was posted to <https://www.resa.net/services/purchasing/rfp/> and the State of Michigan's SIGMA Vendor Self Service website (<https://sigma.michigan.gov/webapp/PRDVSS2X1/AltSelfService>). Please review addendum #3 in its entirety for full information; however, due to the recent government regulations in response to COVID-19, electronic proposal are accepted for this RFP.**

**Requirements for notarized documents are further described in Addendum #3 to this RFP**

13. Will you be awarding multiple vendors?

**Per #2, Section D (Evaluation of Proposals and Award, page 8) of the RFP, Wayne RESA reserves the right to determine whether particular Suppliers have the basic qualifications to conduct the desired service for the organization. This award scenario may result in awards to more than one (1) supplier.**

14. Is it okay to submit a partial bid?

**Yes**

15. Proposed section 2.0 asks for "how services will be provided" and "methodology for solution delivery" however, there is no other mention of professional services in the document. Do you need a professional services quote for each component with a statement of work? If so, there are too many unknown variables to provide this quote. Are you looking for an hourly rate? Or are you only looking for pricing for the hardware and software specified in your pricing chart on attachment #2?

**This is a hardware, software and maintenance bid only.**

16. For Servers you specify a request Dell and HP. Will you consider other manufacturers?

**Other brands are OK to bid with as long as they are on VMWare's Hardware Compatibility (HCL) for VMWare 6.7**

17. ....As you are aware, video environments are unique and to size accordingly is a challenging venture hence.....  
below is an EXAMPLE of the data points needs to accurately size/scope a response....

Example of Customer Provided Sizing Parameters

- Ingest Bandwidth
- Camera Counts by Resolution
  - 393 – 1280x960 – 1.22 MP cameras
  - 279 – 1920x1080 – Full HD cameras
  - 80 – 2600x1950 – 5 MP cameras
- Frame per Second
  - Provided with 30 frames per second
- Retention in Days
  - Provided with 30 days retention
- Recording period per day
  - Provided with 24 hours a day recording – Recording % = 100
- Compression and Quality
  - Most cameras operating with H.264 Compression – but quality not explicitly defined – we will model with various qualities
- Motion %
  - Its not really possible for a customer to determine and actual value for Motion % for each camera, so we model various realistic values and establish MAX Bandwidth and MAX Disk Space consumption – picking too high of value for Motion % results in excessive capacities within the solution
- Disk Space Capacity
  - Approximately 750 TB today allocated hold data for 752 cameras for 30 days

**We are looking for SAN cost, expansion shelf cost, drive costs. We have varying size districts with unique configurations. Give as many examples as you would like.**