



# FLOYD COUNTY, GEORGIA

PURCHASING

## ADDENDUM #1

**TO:** ALL PROSPECTIVE VMWARE PROVIDERS

**FROM:** Nancy Lam, Purchasing Director

**DATE:** August 18, 2014

**SUBJECT:** VMware servers, installation and training

NANCY LAM  
PURCHASING DIRECTOR

EVERETT GRAY  
PURCHASING AGENT

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**Addendum 1 includes the following:**

**Questions and Answers Received through August 14, 2014**

See attached pages

I acknowledge receipt of addendum # 1. Please return this form with your Bid.

**Name of Company** \_\_\_\_\_

**Signature** \_\_\_\_\_

**Date** \_\_\_\_\_

**ADDENDUM #1**  
**VMWARE ANSWERS TO QUESTIONS RECEIVED THROUGH AUGUST 14, 2014**

**Question 1** about the proposal, Page 4 section II (Specific Requirements):

- No. 4 - Which version of VMware and Veeam are you looking for?  
VMware Standard with vSphere Essentials Plus (or your best recommendation) (latest version)  
Veeam Enterprise Edition (or your best recommendation) (latest version)
- No. 5 - Is this just one license or a site license for WinServer 2012 Datacenter  
Whatever would be needed for your solution. We have close to 500 users.
- No. 6 - Can you provide specifics of the servers being migrated (Win2003-Win2008)?  
We will migrate the actual applications / data. We need for you to setup the virtual servers for those applications / servers to be migrated to.
  - How much memory is in each server?  
existing servers to be replaced – 24GB is the most in one server.
  - What type of server or manufacturer (HP, Dell, IBM, etc)?  
existing servers to be replaced - Dell & HP.
  - How much data is stored on local disks or Direct Attached Storage?  
Approx 3 TB.
  - Are the servers connected to a SAN, USB, etc?  
No.
    - Please elaborate on the SAN and Disk Array, if any?
  - Are any of the servers configured in a MSCS (MS Cluster)?  
No.
- No. 7 – Please describe the specifics as above for the Centos Linux Server?  
Current Server has 2.5TB of which 636GB is used.
- No. 8 – Is this a brand new domain controller or is this a DC in an existing domain and what is the domain name?  
Taking the place of an existing domain controller.
- No. 9 – Please elaborate on the specifics of the SQL server (How much memory, no. of CPUs, no of volumes, raid types, example: Raid 1 for translogs/Quorum (MSCS), Raid 5 for data, how many volumes in total)?  
Currently have 3 different versions of SQLServer on 3 separate CPUs, server with the most memory has 24GB mem, 2 volumes, raid5. We want to move all these to one server running SQLServer 2012. The databases will be on 3 separate vm servers.
- No. 10 – What is the speed of the connection from one building or section of the building and describe the type of firewalls in place (TCP Ports 901-904, 389, 636, 135-139, 443, 445, 80 among others should be allowed)?

Dedicated Fiber connection, switch port 1GB. We configured the switches and firewalls between buildings. You would need to configure any switches needed between server, nas and san, etc used in your solution.

- No. 15-16 – Can one technician be certified in both VMware and Microsoft to provide this level of service? **Yes but on staff not a subcontractor.**

### **Question 2** Page 5, Section IV Replication

- No. 1 – Will we provide the switches to perform the replication or does the government have DWDM (Dense Wave Division Multiplexing - uses 11 strands for greater distances) or CWDM (Course Wave Division Multiplexing – fewer connections, shorter distances) switches (provide details of the network – diagrams and description)?

You would need to configure any switches needed between server, nas and san, etc used in your solution. We have Dedicated Fiber between the admin and EOC buildings. We do not have DWDM or CWDM.

- No. 2 – Please describe network type, speed, mfg (specifics) that is going to support the VMware Solution and does the network have vLAN configured

We have fiber to the EOC with Cisco switches. We planned to use a 1GB port to connect to the server at the EOC . Yes we do have VLANs . If you feel that your solution needs a different configuration please list in your answer to the rfp.

### **Questions 3 – 9**

3.) What are the specific versions of OS running on the servers/machines to be migrated?

Standalone have 2003-2008. All of these will be replaced with the new Windows Server 2012.

4.) Are any of the licensed Operating Systems running hardware specific OEM licenses?

They all have OEM licenses per server currently. All of these will be replaced with the new Windows Server 2012 Data Center.

5.) What applications are running on these guests?

Each is specific to different departments: Case Management, Tax Assessing, Document Management, etc. We will move the applications and data after you have VMWare and Windows 2012 Data Center installed.

6.) How much storage is currently allocated to the machines to be migrated?

Each current “standalone” server has local storage for their separate uses. We do not have separate storage for them. The total storage on these servers is less than 5TB.

7.) How much growth over what is currently used should the shared storage systems provide.

We think if you include 12TB defined in the rfp we will have enough storage for potential growth for the next five years.

8.) Are you asking for only 1 server per site?

Your best recommendation for the provided project.

9.) How many vCenters at a minimum are you requesting be installed in the environment?

Your best recommendation for the provided project.

10) For migrating your old server operating systems from Windows Server 2003 to 2012, Is it ok to spin up some VMs and put Windows on them and then let Floyd County personnel migrate once you had all the pieces in order?

Yes we want a "partition" setup for each server replacement with Windows 2012 data center. Then Floyd County will install the application on each "partition" and copy data from the old server to this new environment and get the application running.

11.) How many VM's (how many virtual servers are you planning on running) ?

7

12.) Scalability at primary site – Are their plans for any additional host within 5 years ?

When you say host, if you are saying the servers that the VM's live on. We are not planning to but would need to be able to if we outgrow.

13. ) Do you want an automated DR site?

Yes

14.) Do you want to be able to test the DR site for internal or external compliance?

Internal