

# ATTACHMENT A

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## Scope of Work

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## 1. GENERAL REQUIREMENTS

- A. The Contractor shall provide five (5) new Dell PowerEdge XR11 Servers. These servers will serve as Network Video Recorders (NVRs) for VRE's existing security camera system.
- B. Each server shall include high-performance memory with two (2) 16GB RDIMM, 3200MT/s, Dual Rank Modules to support demanding video recording and processing tasks.
- C. The Contractor shall also provide enterprise-grade warranty and support for each server, specifically Dell Hardware Limited Warranty Plus Onsite Service, three (3) years of ProSupport Next Business Day Onsite Service After Problem Diagnosis, ProDeploy Plus PowerEdge R Series (1U/2U), and three (3) years of ProSupport 7x24 Technical Support and Assistance, ensuring maximum uptime and rapid issue resolution.

## 2. SPECIFIC REQUIREMENTS

The servers provided by the Contractor shall meet the following requirements for form, fit, and function

### A. **Server Hardware**

- 1. PowerEdge XR11 Server
- 2. PowerEdge XR11 Motherboard, MX, TI, V2
- 3. Rear Port Access Chassis with up to four (4) SAS/SATA drives and PERC Controller, NAF
- 4. Rear Port Access Riser Config: 0, 1 x8, 2 x16 slots
- 5. PowerEdge XR11 Ruggedization Kit
- 6. ReadyRails Sliding Rails for 2/4-post Racks (A20)
- 7. Brand/No Bezel, PowerEdge XR11
- 8. Standard Chassis Thermal Configuration

### B. **Processor & Memory**

- 1. Intel Xeon Silver 4316, 2.3GHz, 20C/40T, 10.4GT/s, 30MB Cache, Turbo, HT (150W), DDR4-2666



2. 3200MT/s RDIMMs
3. (x2) 16GB RDIMM, 3200MT/s, Dual Rank

**C. Storage**

1. BOSS Controller Card with two (2) M.2 Sticks (240GB, RAID 1)
2. (x4) 7.68TB SSD SAS ISE, Read Intensive, up to 24Gbps, 512e, 2.5in Hot-Plug, AG Drive
3. RAID 5

**D. Power & Thermal**

1. Dual (1+1) Redundant Hot-Plug Power Supply, 800W MM (100–240Vac)
2. (x2) Power Cord – NEMA 5-15P to C13, 3M, 125V, 15A

**E. Networking**

1. Rear Port Access with onboard Broadcom 57504 Quad Port 25GbE SFP28

**F. Firmware & BIOS**

1. Performance BIOS Settings
2. UEFI BIOS Boot Mode with GPT Partition
3. Performance Optimized
4. No Energy Star

**G. Management & Security**

1. iDRAC9, Enterprise 15G
2. Static IP
3. iDRAC Legacy Password
4. iDRAC Group Manager Disabled
5. No Trusted Platform Module

**H. Software & Documentation**

1. No Operating System
2. No Media Required
3. No Systems Documentation, No OpenManage DVD Kit



**I. Warranty & Support**

1. Dell Hardware Limited Warranty Plus Onsite Service
2. ProSupport Next Business Day Onsite Service After Problem Diagnosis (3 Years)
3. ProSupport 7x24 Technical Support and Assistance (3 Years)
4. ProDeploy Plus PowerEdge R Series (1U/2U)

**3. DELIVERY SCHEDULE**

- A. All five (5) servers shall be delivered to VRE within ninety (90) consecutive calendar days from the date set forth in the written Notice-To-Proceed (NTP).
- B. The Contractor shall submit in writing any proposed changes to the delivery schedule to the VRE Project Manager for approval.

**4. SHIPMENT**

- A. Shipments shall be FOB destination, freight prepaid and allowed.
- B. Any damage incurred in shipping the servers to VRE is the sole responsibility of the Contractor.
- C. In response to any damage that occurs during shipping, the Contractor shall replace each damaged server within fifteen (15) consecutive calendar days of being notified by VRE of the damage.
- D. A Purchase Order and written shipping release shall be obtained from VRE by the Contractor before shipping the servers.
- E. Deliveries shall be made between the hours of 9:00 A.M. and 4:00 P.M. Eastern Time, Monday through Friday (excluding Federal Observed Holidays), to the following location:  

VRE Crossroads Warehouse  
9400 Crossroads Parkway  
Fredericksburg, VA 22408
- F. With each shipment to VRE, the Contractor shall prepare its own packing list documenting the equipment by part number, serial number, and VRE Purchase Order Number.

