



## NETWORK INFRASTRUCTURE

### Request for Proposal Amendment #4

*The following changes / clarifications / additions have been added to the Request for Proposal project specifications and plans:*

- 1. QUESTION:** Are wireless access points part of the RFP?  
**ANSWER:** No.
- 2. QUESTION:** POE on all switches, or just the core?  
**ANSWER:** All
- 3. QUESTION:** Do you require redundant power supply on all switches?  
**ANSWER:** Yes
- 4. QUESTION:** What is the current bandwidth and what is the anticipated bandwidth that you will grow to?  
**ANSWER:** The City currently uses AT&T and Comcast as a campus network. AT&T bandwidth = 20 Mbps, Comcast =100 Mbps. It is anticipated that the bandwidth usage will grow to 200 Mbps over the next 3-5 years.
- 5. QUESTION:** Can you expand on what you want in item #66 on the RFP?  
**ANSWER:** The City currently has physical, virtual (VMWare), and cloud (Azure) networks. Each of these network types requires a different administrative user interface. We desire the ability to configure and manage these network types from a single management console/application.
- 6. QUESTION:** Is high availability required on firewalls? Do high availability pairs have to be in the same building?  
**ANSWER:** Active/standby high availability is required. We require high availability with the firewalls located in separate buildings. Our existing network is configured so that the firewalls are attached to the same inside (VLAN 100), outside (VLAN 117), and failover (VLAN 140) VLANs. In other words, they logically appear to be local to each other even though they are in separate buildings.
- 7. QUESTION:** Does the City's staff have a comfort level with one manufacturer over another?  
**ANSWER:** No. We do not have any reasons to favor one manufacturer over another, e.g. specialized training. We expect the vendor to provide level 2-3 support. We expect the vendor to train our staff to perform level 1 (basic) administration and configuration tasks, including basic moves, adds, and changes.
- 8. QUESTION:** Are there any bonding requirements?

**ANSWER:** None

**9. QUESTION:** What is the City's plan for growth?

**ANSWER:** The City plan is for zero growth on staffing. Most of the growth over the past ten years is related to technology changes, e.g. the addition of wireless access points, IP cameras, etc. Future technology growth is unknown. The port counts we provided in the Locations section of the bid package are adequate for our needs.

**10. QUESTION:** Fire Stations #39 and #37 need level 3 capable switches?

**ANSWER:** Yes, but only for directly connected networks. They do not require advanced IP routing. Fire Station 1 (aka 38) needs local interfaces on VLANs 5, 15, 111, 7, and 8. Fire Stations 2 and 3 (aka 39 and 37) need local interfaces on 7, 8, 15, and 111). The intent is to ensure that the Fire Station VoIP phones and switches can continue to talk to each other even if the Comcast ENS connection at the City Hall goes down.

**11. QUESTION:** Do you require Firewall zero-day catches on viruses?

**ANSWER:** It is desired, not required.

**12. QUESTION:** What is your comfort level with cutting over each sight?

**ANSWER:** The City is willing to consider the vendor's strategy and timeline for cutting over each site except for Police Department communications. All downtime must be scheduled to occur between 11:00 p.m. and 7:00 a.m. The Police Department has high sensitivity over downtime affecting VoIP phone service. Vendors will need to be flexible to accommodate the City's requirements.

**13. QUESTION:** For optional item #34 "Improve resiliency", if additional circuits are needed do they need to be included in the proposal price?

**ANSWER:** No. The separately quoted price should include all equipment and services necessary to implement the improvement, and the vendor should describe the recommended additional circuits. If the City decides to consider this option, we will obtain our own quotes for the circuits.

**14. QUESTION:** What about VPN connectivity at the Police Department, e.g. Investigations?

**ANSWER:** The Police Department does not have any special VPN requirements. See item #56 in the bid package for the City's client VPN requirements. See Amendment 2, Question 5, for additional specifications.

**15. QUESTION:** What is the Azure connection?

**ANSWER:** The city connects to Azure using an Internet VPN. See item #54 in the bid package for the City's site to site VPN requirements.

**16. QUESTION:** What about the DuPage router?

**ANSWER:** It is configured and maintained by the ETSB for records management. It is not in the scope of the RFP.

**17. QUESTION:** Are the switch fiber modules SFPs or GBICs?

**ANSWER:** The existing switches use SFPs.

**18. QUESTION:** Are the internet handoffs copper or fiber?

**ANSWER:** Copper

**19. QUESTION:** Will OSPF capability be disabled to start?

**ANSWER:** OSPF will be disabled to start. We do not need any advanced routing protocols at this time. We do require that the layer 3 switches, routers, and firewalls have OSPF capability. See item #61 in the bid package.

**20. QUESTION:** Is dual power supply required or desired?

**ANSWER:** Dual power supplies are required for all switches. Dual power supplies are desired for firewalls and routers. Vendors may submit a Base Proposal with no redundant power option and an Alternate Proposal with redundant power supply option. We will consider a redundant power supply option if it is at a reasonable price.

**21. QUESTION:** Will the City accept multiple design options?

**ANSWER:** Yes.

**22. QUESTION:** Does vendor have to provide patch cords?

**ANSWER:** No. The City will provide. As part of the planning, vendor will need to advise the City what needs to be obtained.

**23. QUESTION:** Is the City willing to reuse the existing Cisco RPS 675 redundant power supplies?

**ANSWER:** No. These power supplies are obsolete.

**24. QUESTION:** Circuits are 15 amp. Would the City consider upgrading to 20 amp or more? Would upgrading the circuits be part of the scope of work?

**ANSWER:** If required by your design, we will consider upgrading to 20 amp service, but this is not ideal. Vendor must specify any needed electrical upgrades, but should not include the costs, in their proposal. The City will obtain its own quotes for any needed electrical upgrades.

**25. CLARIFICATION:** The City's fiber plant is sequential. There are six (6) pairs of fibers connecting: the Water Division to the City Hall, the City Hall to the Public Works Department, and the Public Works Department to the Police Department. Connections between non-sequential locations are patched together at the panels, e.g. the Water Division to the Police Department. All of the fiber pairs between the City Hall and the Police Department are currently being used. Two pairs connect the City Hall core switches with the Police Department core switches. The City is willing to allow one of these pairs to be used for testing before the cutover.

**Attachments:** Pre-Bid Sign In Sheet

Contacts for this proposal: [LStyczen@wheaton.il.us](mailto:LStyczen@wheaton.il.us)



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City of Wheaton, Illinois

www.wheaton.il.us

Project: NETWORK INFRASTRUCTURE

Mandatory Meeting Date: WEDNESDAY, JANUARY 11, 2017

Time: 10:00 AM

Location: City Hall, 303 W. Wesley Street, Elevator North Lobby

Attending from Wheaton:

*Jinda Mycyen*

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Project: NETWORK INFRASTRUCTURE

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Attending from Wheaton: Grady Styczen

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