Addendum #1
For
Pioneerland Library System
Wide Area Network/ISP Services

Issue Date: November 23, 2021

<u>**Addendum No. 1**</u>

This Addendum is to be included as part of the original proposal documents. The Proposer is bound but not limited to all requirements stated herein. As with the original Contract Documents, the Proposer is required to meet all applicable State and Federal building and installation codes, including but not limited to ANSI/TIA/EIA, NEC, etc.

This Addendum shall hereby be and become part of the Contract Documents the same as if originally bound thereto. The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.
Each Proposer shall acknowledge receipt of this Addendum in its proposal response.

NOTE: Proposers are responsible for becoming familiar with every item of this Addendum.

The following changes and/or clarifications are made to the RFP in response to questions received from potential proposers:

<u>**Questions & Answers**</u>

1. <u>Question:</u> "Were you looking for one vendor for all 32 locations or multiple since they're spread out throughout Minnesota."

    <u>Answer:</u> See section 2.2 (3), which includes the statement "Respondents are advised that the Owner intends to award a single contract covering all requested sites." However, PLS reserves the right to award in whole or in part (section 2.23).

2. <u>Question:</u> Under section 3.11, July 1, 2021 is given as the date from which the Owner shall receive $100 payment per day per site for sites that are not functional or not at the contracted speed. Please clarify the appropriate date for the start of this credit.
    <u>Answer:</u> As section 3.11 states, "after July 1, 2022, the Contractor shall provide...", so July 2 is the first day that a credit would start.

3. <u>Question:</u> Under section 2.2, #9 site list, can you please verify the site physical addresses? For reference, we have attached a separate PDF of the site list for you to compare and confirm these addresses are correct.

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Answer: please refer to Exhibit A for site list and physical addresses.

4. Question: Under section 4.3, #4b, does this Leased CPE equipment need to be participating in the PLS layer 3 IP routing, or does this Leased CPE need to be the layer 2 physical and operations demarcation point for the Contractor's provided ethernet circuit? To ask differently, is PLS looking for a Contractor provided Managed Router at all locations for IP termination and layer 3 IP routing of the PLS wide area network that will be provided by the Contractor?
    a. If a Contactor provided managed router is required, please specify the requirements such as ethernet interface count, ethernet type (RJ45, SFP), routing protocol (BGP, OSP), size of existing PLS IP routing table, IP multicast, IP SLA, QoS, encryption (IPSEC), sub-interfaces (one arm routing), DHCP server, etc.…

    Answer: PLS is looking for the Contractor to provide a Managed Router at all locations for IP termination and layer 3 IP routing of the PLS wide area network. The router must be provided and maintained by the contractor. The routers must each have two interfaces (one for connection to the provider network and one for connection to the PLS network) and the handoff to PLS equipment must be RJ-45. The router must be capable of QoS, IP SLA, IP multicast, IPSec tunnels, and DHCP server. PLS does not have a preference on the routing protocol.

5. Question: For the private wide area network amongst the 32 sites that PLS is asking for, is there a preferred wide area topology desired? Such as any-to-any private layer 3 network (sometimes referred to as a layer 3 VPN/MPLS)? Or is more of a layer 2 infrastructure such as private point to point circuits with possibly the implementation of a sub-interface with multiple VLANs at Wilmar and the alternate/backup site desired?
    Answer: see answer to question #4 above. No specific topology is preferred; although the provider environment must provide an any-to-any private layer 3 network. Routing services and equipment are to be provided by the contractor.

6. Question: Under section 4.3, #4d, Firewall services are required.
    a. Please specify what security services are desired. (e.g. – Stateful firewall, IPS, AV, Application Control, Web Content Filtering, IPSec and SSL VPN)
    b. Please specify whether firewall will only be for Internet edge protection or also network segmentation (describe segmentation desired).
    c. Please provide quantity of internet connected devices at all locations and total number of PLS users.
    d. Please provide description of services and equipment accessible from a public IP address through the Internet connection at Willmar.

    Answer: For the purposes of this RFP, PLS only requires stateful firewall and IPS. Web content services is not covered under Erate and is not requested in this RFP. For the sake of sizing, refer to the table in the RFP outlining speeds for each site; assume firewall throughput with the above services enabled at 1 Gbps at Willmar. The firewall is to provide perimeter protection and segmentation of the guest network from the internal private network.

7. Question: Under section 4.4, #1, which is adding an alternate site. It states the secondary PLS site is to be determined by PLS, does PLS have a known preferred secondary site at the moment? This will be required in order to quote an Internet circuit at the site to make it a functional backup for Willmar.
    Answer: For the sake of providing pricing, assume the Litchfield site. Refer to Exhibit A for physical address.

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8. Question: Under section 4.6, #1, please provide further explanation of what PLS is wanting from a <u>total turn-key WAN system.</u> For example, is PLS looking for Contractor's managed routers that are actively participating in the IP routing for PLS and Contractor configuration of these managed routers? Or is PLS simply wanting the Contractor to provide an ethernet network that allows PLS to perform all required IP routing and configuration for the private wide area component of this RFP and PLS will provide all the required private layer 3 equipment with PLS being responsible for this equipment? It is understood that PLS is looking for a managed firewall for the Internet components of the RFP. This question is strictly in regard to the private wide area network component of the RFP.
    Answer: refer to answer for question #4 above.

9. Question: Under section 4.6, #1, backup power is listed as something to be provided without calling out specific locations. Section 4.7, #8, lists backup power as a requirement for the hub site. Is that the only location that backup power is needed? What is the minimum run-time that solution should support per site?
    Answer: PLS requires battery backup systems for each site. Runtime for the hub site is 30 minutes; runtime for satellite sites is 15 minutes.

10. Question: Does PLS currently own their publicly routable IP prefixes (non-RFC 1918) for Internet access or are they leased to PLS from the incumbent Internet Service Provider (ISP)? Via section 4.7, #10, it sounds like the incumbent ISP is providing all publicly routable IPs today and new routable IPs will need to be provided by the new Contractor. Please confirm.
    Answer: Confirmed. PLS does not own public IP addresses; the current ISP provides them.

11. Question: Under section 4.7, #10, need for public IP addresses for each location is presented.
    a. What services exist at each site that require access from the public Internet?
    b. What services exist at each site that require access from other PLS locations?
    Answer: That information will be supplied to the winning contractor.
    a. Webserver, Email Server, VPN Server
    b. HTTP, HTTPS, SSH, Telnet, SMTP, IMAP, LDAP, RDP

12. Question: Under section 4.7, #11, Contractor is given responsibility to provide DHCP services for public Wi-Fi services at all sites.
    a. Please describe equipment configuration currently employed or define how public Wi-Fi is intended to be deployed.
    b. Does all public Wi-Fi data traverse the WAN and pass through the firewall at Willmar?
    c. What are the security services that should be implemented for public Wi-Fi on the firewall? (e.g. – Stateful firewall, IPS, AV, Application Control, Web Content Filtering)
    Answer: PLS requires that the contractor supply DHCP to its wireless access points and to all wired and wireless devices across all sites.

13. Question: For Internet failover at the alternate site, is only outbound PLS Internet access needed for failover or does PLS have inbound services that also need to failover to this alternate site? If inbound failover is needed, please expound upon what is needed such as inbound email failover, inbound web server failover, etc...
    Answer: PLS requires inbound services that must remain accessible in case the Willmar site goes offline. For the sake of providing a proposal to this RFP, respondents are encouraged to provide a proposal for a solution for Internet and firewall services for 1 Gbps at Litchfield which includes edge routing intelligence

to keep PLS internal resources accessible inbound through the Litchfield site. This may also require the contractor work with PLS to configure their internal network to reroute outbound traffic out Litchfield if Willmar is unavailable.

14. Question: Under section 4.7, #9, where the Contractor is to provide DNS service. Is the Contractor's provided DNS simply for name resolution or is the Contractor also to be authoritative DNS for pioneerland.lib.mn.us? Via this #9 it reads like the Contractor is to be name resolution only, but please confirm. If the Contractor is to be authoritative, please answer the following questions.
    a. How many current DNS resource records are there for the domain and sub-domains of pioneerland.lib.mn.us?
    b. What is the estimate of DNS queries made per month for pioneerland.lib.mn.us and all sub-domains?
    c. How will PLS inform the Contractor of DNS changes? Will this be done via a trouble ticket or does PLS require a web portal for self-service of DNS changes?
    Answer: Name resolution only.

END OF DOCUMENT

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