



Solicitation Information

January 8, 2014

Addendum #2

**RFI #7541369**

**TITLE: RFI - DESIGN & INSTALLATION OF REDUNDANT INTERNET FEED**

**SUBMISSION DEADLINE: JANUARY 21, 2014 AT 10:30 AM (ET)**

**ATTACHED ARE VENDOR QUESTIONS WITH STATE RESPONSES. NO FURTHER QUESTIONS WILL BE ANSWERED.**

**Gail Walsh  
Chief Buyer**

## 2<sup>nd</sup> Internet Feed RFI – Vendor Questions and Answers

### Vendor A

Is the location on “Service Road, Warwick” as stated in the RFI or on “Service Avenue, Warwick”? Service Road is in a residential neighborhood in West Warwick. The state has existing facilities at 50 Service Avenue in Warwick and looks more like the target building.

The correct address is 50 Service Ave, Warwick, RI, 02886.

### Vendor B

1. The solicitation states the solution shall “Not share any common infrastructure with existing Internet Service Provider from the circuit handoff into the provider network.” We will need to know who the current ISP is and which facilities are being employed. - Our Current ISP is OSHEAN, and this means a secondary ISP will have to utilize completely separate equipment to maintain full redundancy.
2. Does the State own its own block of public IP’s allocated from the American Registry for Internet Numbers as well as their own ASN (Autonomous System Number)? If so, does the State expect to be able to retain usage of these IP’s should the primary Internet Circuit fail? - Yes, the State owns an entire class B address space, as well as several class C spaces, and we do have our own ASN. How failover would happen, and how the redundancy would be designed are questions we are looking for recommendations on through this RFI process.
3. Will the secondary internet feed be used purely as the “passive” in an active/passive design with the primary circuit? Or will traffic be flowing over it (i.e. The 50 Service Ave. computers would use that as their main point of egress and ingress to the internet as the circuit is local)? If not active/passive, how does the State envision traffic flowing over this connection? - Again, the overall design, implementation and use of the 2<sup>nd</sup> internet feed is what we are seeking to clarify through this RFI, which we will then formulate into an RFP.
4. What is the type of WAN and speed of the connection between the Capitol Hill site and the 50 Service Ave. location? What type of routing is used between the two sites? If it is dynamic, which protocol is in use? Is this same design retained throughout the rest of the State’s WAN architecture? - We have several connections between 1 Capitol Hill and 50 Service Ave, both point to point 1GB service and EIGRP routed 1GB service as well. These type of connections exist between all of our three primary nodes (Providence, Warwick and Cranston) and all remote sites connect at varying slower speeds to one of those three nodes.
5. With regard to the firewalls in use at both sites, does can the State have specifications that they can share to assist us in designing the best architecture? For instance, are there parameters like estimated concurrent sessions, type of content filtering, needed DLP, or any other specific regulations that may be applicable? (i.e. HIPAA, GLBA, SOX, CIPA, PCI, etc.) Also, does the State have any inclination towards a particular vendor? (i.e. Cisco, Sonicwall, Fortinet, etc.) - Our current front door firewall product is an HA pair of Cisco ASA5540’s that is running around 50% capacity at it’s peak. We are fairly invested in the Cisco Technology Stack for capability, support knowledge and end to end continuity, but would listen to any recommendations that are offered in this RFI.
6. Are VPN licenses for remote workers necessary as part of this solicitation? If so, how many in total and how many concurrent sessions would be required? - VPN remote user functionality and licenses are handled on other devices than our primary firewall and do not need to be considered for this RFP.

### Vendor C

1. Will the State permit vendor to take exception and/or negotiate changes to any of the State’s General Terms & Conditions? - This is an RFI and any recommendations will be considered and weighed accordingly before being included into an RFP.
2. Due to the impending holidays, can the State of Rhode Island extend the Response due date? - I believe this has been done.
3. Is there a particular term requested for this service? - That would be part of an RFP once the exact design and use are determined.
4. To help ensure the secondary Internet connection has little to no common infrastructure, can the State provide details (ISP name, POP location, et al) regarding the current provider? - Current ISP is OSHEAN, and our only current Internet POP is at the 1 Capitol Hill location.

5. Does the State have a registered Autonomous System number for their current primary Internet service? If so, can you please provide? - Yes, will be provided in final RFP.
6. Does the State of Rhode Island own and use an IP Address block from ARIN? - Yes, we own a class B and several class C spaces.
7. If the State of Rhode Island does not own their own IP Address block, what are the expectations of the Internet vendors regarding routing IP Addresses? i.e. each vendor needs to be able to route the other's provided IP Address block, or the State of Rhode Island will use an IP Address from each vendor for device (i.e. firewall, mail and web server). - We do own our address space, and how exactly the 2 different vendors will interoperate is why we are soliciting this RFI.
8. Under normal circumstances how will the State of Rhode Island load split the traffic between the two vendors and two sites? - To Be Determined, seeking recommendations.
9. What outbound load splitting technique will be used by the State of Rhode Island? Or is the vendor to provide for both locations? - To Be Determined, seeking recommendations.
10. What is the connectivity between the Capitol Hill and Service Avenue locations? - We have several connections between 1 Capitol Hill and 50 Service Ave, both point to point 1GB service and EIGRP routed 1GB service as well.
11. Are you looking for this second connection as just failover or are you interested in BGP (load balancing) to aggregate bandwidth with your existing Capitol Hill connection? - To Be Determined, seeking recommendations.
12. Is vendor expected to provide security equipment for both locations? Or just for the Service Avenue location? - We would like the security devices at both sites to match for consistency.
13. What is the make/model/version of the current security equipment (firewall, IDS/IPS, and proxy server)? - General answer for a publically viewable response - Cisco ASA5540 Firewall Pair, a Corero IPS/IDS and a BlueCoat web filter.
14. Does the State of Rhode Island manage their security equipment? - Yes we do.
15. Is it the preference of the State of Rhode Island to stay with their current security equipment manufacturers or to move to another preference? - Preference is to stay, but will listen to any recommendations.
16. Is it the expectation of the vendor to only procure/deploy/install the security equipment or will they also be required to manage it as well? - We would continue to manage equipment at this point in time.
17. What is the total number of users accessing each Internet connection? - We have approximately 8000 users on our current single internet feed.
18. Does the Proxy Server need to support features like: Web Filtering, SSL Proxy, Anti-Virus? - Yes, if included in recommendation.
19. What features/capabilities are required for the Intrusion Protection and Detection devices? - To Be Determined, seeking recommendations.
20. Does the firewall need to support features like: Site to Site VPN, Client to Site VPN, URL Filtering? - No, we use separate devices for those functions.
21. Does your current WAN provide sufficient bandwidth between Warwick and Providence to carry Internet traffic during a "primary" ISP failure situation? That is, do you require a new dedicated Point-to-point connection between firewalls in Warwick & Providence to provide a "external" failover router or would State of RI care for this on your internal WAN? - Our existing WAN can carry our full load of traffic to any of our 3 primary nodes (Providence, Warwick and Cranston).
22. What is the make and model of the current FWs and IPS Systems? - General answer for a publically viewable response - Cisco ASA5540 Firewall Pair, a Corero IPS/IDS and a BlueCoat web filter.
23. How many users are the FWs serving? - We have approximately 8000 users on our current single internet feed.
24. How many IP sec and SSL VPNs are currently in service? - We use separate devices for those functions.
25. What is the make and model of the proxy equipment and IPS? - General answer for a publically viewable response - Cisco ASA5540 Firewall Pair, a Corero IPS/IDS and a BlueCoat web filter.
26. Would a bundled solution of FW, IDS and IPS be acceptable? - We will consider any infrastructure design recommendations given in this RFI.

Vendor D

1. Data Center address is stated two ways in RFI. Please clarify (Address a, or Address b?):
  - a. 50 Service Avenue, Warwick, RI
  - b. 50 Service Road, Warwick, RI

- The correct address is 50 Service Ave, Warwick, RI, 02886.
2. Who is the current Provider? (need to know, to ensure separate and diverse infrastructure to the core)
 

- OSHEAN is our current ISP.

3. Would the State consider either of the following configurations?
  - a. Network Based Firewall with included Intrusion detection and prevention, provided by Service Provider?  
- We will consider any infrastructure design recommendations given in this RFI.
  - b. State Owned congruent HA pair located in a Service Provider owned data center?  
- All equipment will have to reside in our State owned and controlled facilities.

Vendor E

1. Based on your requirements for "increased bandwidth and availability", is it DoIT's intention to use this secondary internet connection to load balance all incoming and outgoing internet traffic? - To Be Determined, seeking recommendations.
2. What are the "applications, features and end user experience currently active at the primary Capitol Hill facility?" - For this RFI exercise, assume normal business office workloads.
3. What model router is the current ISP using to deliver Internet Access at One Capitol Hill? - Cisco 3945.
4. Is DoIT looking for the Secondary IP provider to include a managed router as part of the service? - That is what we currently have and would expect that to be the same.
  - a. Considering the fact that the existing managed router and the secondary router may need to communicate. What is your management strategy moving forward? - To Be Determined, seeking recommendations.
5. What is your current network connectivity between One Capitol Hill and 50 Service Ave? - We have several connections between 1 Capitol Hill and 50 Service Ave, both point to point 1GB service and EIGRP routed 1GB service as well.
  - a. Are you looking for additional connectivity options between these two sites? - We will consider any infrastructure design recommendations given in this RFI.
6. Please clarify the requirement "Not share any common infrastructure with existing Internet Service Provider from the circuit handoff into the provider network". This secondary IP connection will be delivered to 50 Service Ave and the existing IP service is delivered to 1 Capitol Hill. - Our Current ISP is OSHEAN, and this means a secondary ISP will have to utilize completely separate equipment to maintain full redundancy. We have OSHEAN equipment at 50 Service Ave as well.
7. Regarding DoIT's request for a turnkey solution:
  - a. Given that there are many existing services at 1 Capitol Hill that may need to be replicated to 50 Service Ave to ensure comparable functionality for connections entering and exiting the new Internet connection, please identify which devices and services are managed by the ISP (1), DoIT staff (2), or another integrator (3).
    - DNS Servers
    - Virtualized Servers
    - Load Balancers
    - IPSEC VPN appliances
    - SSL VPN appliances
    - Web Filters
    - IPS
    - Firewall Clusters
    - Guest network authentication- All of the above are managed by DOIT staff.
8. Is it DoIT's intention for the Secondary IP Provider to mirror those services? - To Be Determined, seeking recommendations.

Vendor F

1. Who is the existing Internet Service Provider at One Capitol Hill? - OSHEAN is our current ISP.
2. What size IP Block(s) do you have and are routing with this existing provider? - Yes, we own a class B and several class C spaces.
3. Do you have an Autonomous System Number (ASN) from the American Registry of Internet Numbers (ARIN)? - Yes.
4. Will you need the Internet Service Provider to provide and/or manage the Router, Firewalls, Intrusion Detection and Prevention Equipment and the Proxy equipment? - Only the edge Router would be managed by an ISP.

5. What brand and model of Router do you currently have in the Data Center? - A secondary internet feed would require a new, vendor managed router.