



**Request For Proposals (RFP)
Network Design
S2017-30
Addendum No. 1**

October 3, 2017

This is Addendum No. 1. Proposers must acknowledge receipt of this Addendum No. 1 in Required Form A – Form of Transmittal Letter.

This Addendum No. 1 has the attached Q&A (Attachment 1) to be incorporated into the Request For Proposals (RFP).

Debbi L. Lyall
Buyer/Procurement Specialist

Attachment 1 – Q&A

1)	Does this equipment need to be procured or do you have it already: Nexus 7k core switches (2) Nexus 5k distribution switches (8) 3850 access layer switches (250)?	Equipment already procured
2)	Which configuration of the switches do you have/need?	Have 2 ea., Nexus 7k, 8 ea., Nexus 5k and 250 ea., 3850
3)	Can internet circuits also be quoted?	No.
4)	Can you please provide a diagram or excel sheet that shows how the 3850s will be deployed? i.e. how many IDFs are there, how many of those IDFs will have stacked 3850s, how many of those IDFs will have single 3850s, if the 3850s are stacked how many 3850s in each stack, and will each IDF have dual uplinks back to the Nexus 5Ks?	No diagram exists all of the access layer 3850s will be only one in a closet. Each will have a single uplink to each of the 5k pair acting as distribution for that closet, so two connections per access layer switch.
5)	In 2.2 it states "All will be racked and connected". Is this meaning that SMG will be responsible for the racking, stacking, and cabling of the equipment? Or does this mean that Contractor will be responsible for the racking, stacking, and cabling of the equipment?	SMG will rack and connect the switches.
6)	In 2.2 it states "Configure RSNA network". Is this just a single Anchor customer or are there multiple anchor customers that will need to be provided for? Is / Are these Anchor Customers already in place and will just need to be moved over to the new equipment, or is / are these new configuration?	Single anchor customer. In place, existing equipment.
7)	In 2.2 it states "Propose BGP setup/load balance". Is BGP currently being run on the ASR9001s? Is there currently any load balancing between circuits?	Yes, BGP is being used to balance between two circuits currently.
8)	Is there a completion date for the new equipment to be installed and configured?	Target completion date of project is 3/1/2018.
9)	What are the current issues this design is attempting to overcome?	Lack of redundancy and old gear with insufficient throughput.
10)	Are the Cisco Catalyst 3850s going to be stacked (in pairs) or are each standalone units?	A majority will be standalone.
11)	Are Access Points and Firewalls outside the scope of this RFP?	This RFP is not for any physical equipment at all. It is only for the configuration of newly purchased network gear. SMG is not aware of any need to change anything around APs or Firewalls, but if analysis proves otherwise, we would be open to guidance.
12)	What tools or analytic reports does McCormick Place currently use to evaluate network and Internet behavior?	Cisco Prime is in use, and we currently use a BlueCoat Packeteer for traffic shaping. A different RFP is currently out to source that.

13)	What is the RAM and TCAM size on the ASR 9001s? This is needed to evaluate if the current routers can handle the full Internet table.	Physical Memory: 8192M total (6142M available). Application Memory : 8003M (6142M available). TCAM value unavailable.
14)	Will the ASR 9001s have a shared connection (physical wire or VLAN) between them for iBGP?	Yes.
15)	What is the average and peak utilization (in % of bandwidth and megabits/second) of the current Internet connections for both inbound and outbound pathways?	Internet connections are running at no more than 10% of capacity today, but we need to be ready for higher needs without too much alteration to our equipment or configurations.
16)	Are there any Internet performance SLAs which McCormick Place wants to meet such as the ability to accommodate live video and voice streaming?	Not specifically.
17)	Will filtering be needed to segment internal IP traffic between the various ranges of IP addresses?	No, but if analysis proves otherwise, we would be open to guidance.
18)	Is the equipment currently under SmartNet?	Yes.
19)	Our financial reports are extremely large documents. Will it be acceptable to provide a link to them rather than providing hard copies?	At minimum they must be included on the electronic copy, links are not acceptable.
20)	Should travel costs be included in our pricing? If so, should they be broken out as a separate line item?	See Section 2.4 and Required Form F - Pricing
21)	Are you using Cisco's Unified MeetingCenter? If not, can we get clarification on what is meant by "RSNA" network?	RSNA is one of our anchor customers and they have network equipment in place.
22)	What devices are the BGP sessions and internet connections terminating on? ASRs?	ASRs edge routers and Nexus 7K core switch.
23)	Will you require multicast?	Not as a standard configuration, but our customers may require it on a limited number of VLANs some of the time.
24)	Outside of the 2 x N7Ks, 8 x N5Ks, and the 250 Catalyst 3850 switches, is there any other equipment that could fall into scope for this project?	There are an additional 25 or so switches in the new Wintrust Arena, a pair of ASR9001s routers, multiple firewalls, and a yet to be determine traffic shaping solution that will replace our current Blue Coat Packteer 15000 pair. May be Blue Coat again, may be a competitor.
25)	Section 2.4 Pricing states 'Total project cost must be inclusive of all labor, materials, equipment, supervision and any other costs and services necessary to perform the Services as outlined.' What additional materials and equipment should be considered? i.e. patch cables, cable management? What 'equipment' should be included besides items used for installation, such as tools?	That is relatively generic boilerplate. We expect to have all of the physical equipment necessary for the project, and to have all of that equipment installed for the most part ahead of time. We only seek configuration assistance.
26)	In addition to the MDFs, how many closets will be in-scope where the Catalyst 3850s will be deployed?	>200

27)	What are the expected maintenance windows where disruptive work may be performed?	Will vary based on our event schedules. A good portion of the installation and hopefully configuration will be done in parallel in a non-production environment.
28)	What is the MPEA change management process and requirements?	We do not have a formalized change management process, other than the strict guidance that we cannot impact an event taking place at the facility.
29)	Are there any on-boarding requirements for resources who will be working onsite, and if so, can they be provided to us?	A COI must be provided for anyone working in the facility.
30)	Will there be any integrations with other systems, such as monitoring and/or identity management to be considered as in scope? Whose responsibility would it be for configuring such systems?	The traffic shaping solution may have a small configuration component. Within that separate project is included services specific to that installation.
31)	Can you please clarify the 'RSNA network' requirements outlined in the RFP?	RSNA is one of our anchor customers and they have network equipment in place.
32)	Whose responsibility will it be to provide/ensure proper power, HVAC, and cabling are available?	SMG
33)	Who will be responsible for developing Network Ready for Use (NRU) testing procedures, and for conducting testing after implementation?	Successful Proposer
34)	As part of the implementation, is there any expectation for new cabling, or changes to existing cabling?	Likely not, but if there is it is out of scope of this RFP. SMG has resources who will address as necessary.
35)	Are all areas where equipment will be deployed easily accessible without additional equipment?	Yes
36)	Who will be responsible for removal and disposition of decommissioned equipment, and what are the requirements for such?	SMG
37)	Can we assume that valid and active support contracts are in place for in scope equipment?	Yes
38)	What are the specific business/technical drivers that are driving the need for this project?	Need for greater network throughput.
39)	Is there an expectation that Layer 3 capacity concerns may require additional network redesign, such as subnet sizes, etc?	No.
40)	Are there any expectations of additional requirements for features supported by the Nexus 7K/5K architecture, such as FCoE, OTV, multiple VDCs, FabricPath or other that should be considered?	No, but if analysis proves otherwise, we would be open to guidance.