

Select Five Number	SF0025
Requesting Entity Name	Office of MN.IT Services
Request Title	BCA Core Network and Telecommunications Design/Implementation
Request Description	<p>Business Need To assist Minnesota Justice Information Services (MNJIS) (within MN.IT Services @ DPS/BCA) with core building network and telecommunications troubleshooting, design and implementation services. Network services will include the network verification, installation and configuration guidance of the Cisco Catalyst Core switches and Cisco edge switches. This also includes on-site support during the migration and integration support for the new hardware to the existing BCA network. Network troubleshooting, design and implementation services will include the support and optimization of voice, video and data services including wired and wireless Voice over IP</p> <p>Project Deliverables</p> <ol style="list-style-type: none"> <li>1. Troubleshoot the current network and telecommunications environment and recommend and implement any configuration changes that may help stabilize the current BCA Core network. This will include configuration cleanup, and the removal of services and/or traffic that is no longer in use.</li> <li>2. Recommend new equipment to replace the BCA Core network (Catalysts 6509s) and its associated edge devices/switches (Mix of Cisco 35xx switches).</li> <li>3. Review current design of the BCA core and building network. Recommend design practices that promote HA (High Availability), Manageability and Predictability in the network. This will include the following, but it is not limited to just these areas: <ol style="list-style-type: none"> <li>a. ASA integration with the core</li> <li>b. Dynamic Routing and Static Routing</li> <li>c. High Availability Options <ol style="list-style-type: none"> <li>i. HSRP</li> <li>ii. RSTP</li> <li>iii. VSS</li> <li>iv. Layer 3 and Layer 2 design options for HA</li> </ol> </li> <li>4. Design, configure and implement new BCA Core Switches and Edge Switches. This will include following: <ol style="list-style-type: none"> <li>a. IP address structure</li> <li>b. VLAN design</li> <li>c. Routing and forwarding protocols (OSPF/EIGRP)</li> <li>d. 802.1q trunks</li> <li>e. 802.1w RSTP</li> <li>f. Security - Port Security, SSH, general security guidelines as needed</li> </ol> </li> <li>5. Develop testing and failover plans prior to cutover. This will include assisting the BCA on failover plans, testing procedures, and integration with minimum downtime.</li> <li>6. On-site assistance during the migration to aid in configuration, support and troubleshooting of any network problems may occur during implementation.</li> <li>7. Detailed network documentation including final network design schematics. Project Milestones and Schedule Project Start Date January 12, 2015 End Date April 30, 2015 Contractor support hours will not exceed 280 hours for this engagement. Project Environment Staff descriptions: <ul style="list-style-type: none"> <li>*Number of people on the project</li> <li>*Basic organizational structure (organizational chart) of the project</li> <li>*Staff proficiency levels and experience (with methodology, tools, etc.)</li> </ul> </li> </ol> <p>Current support structures in place (e.g. hardware/ software applications, training group, tools, etc.), especially those with which the vendor might have to interface or integrate. Relevant models such as an organizational chart, event model, process model, etc. Project Requirements Describe any organization implementation requirements, such as: All locations where the system might be implemented If the implementation will involve the training of staff Any ongoing hardware/software, maintenance and warranty needs Compliance with the Statewide Enterprise Architecture Compliance with Statewide Project Management Methodology Compliance with applicable industry/organization standards Responsibilities Expected of the Selected Vendor Address expectations such as: Proposed change management process Vendor staffing Project Documentation Project management responsibilities Providing training/ knowledge transfer Testing and acceptance criteria Warranty requirement Work plan Required Skills (to be scored as pass/fail) Due to critical nature of work, short timeframe to complete tasks and complexity of existing network, Contractor is required to have current CCIE Cisco Certification as well as 5 or more years of experience with Cisco LAN and WAN hardware and software architecture design and implementation.</p> </li></ol>

Contract(s) Awarded

Contract ID 87552

Entity Type

State Agency

Information on contracts executed by an entity type of State Agency can be found using the contract ID in the MN Open CheckBook under TransparencyMN located at <http://mn.gov/mmb/transparency-mn/>.

For information on contracts executed by an entity type other than State Agency you will need to contact that entity directly using the contact information that was provided in the Select Five.