

**REQUEST FOR PROPOSALS FOR
INTERNET ACCESS AND
INTERNAL CONNECTIONS
FOR
BLOOM TOWNSHIP HIGH SCHOOL DISTRICT 206,
BLOOM TOWNSHIP HIGH SCHOOL,
BLOOM TRAIL HIGH SCHOOL, AND
ALTERNATE HIGH SCHOOL**

December 06, 2006

Bloom Township High School District 206, Chicago Heights, Illinois wishes to take advantage of the federal e-rate discounts and is seeking proposals for wiring/cabling, equipment, setup and installation, and software for various Internet related projects. All equipment, material, and projects meet requirements of the Eligible Services List provided by the Schools and Libraries Division.

District 206 has a WAN encompassing 2 LANs connecting four separate buildings. The buildings are connected either by fiber optic or T-1 lines. The existing LANs are sufficient and are not part of this request.

Vendors may provide quotes for any or all parts of this RFP. Vendors may quote equipment only, professional services only or both. District 206 may accept all, part or none of any quote. All work is dependent on District 206's application to the SLD being accepted and approved. Vendors will be required to receive SLD distributions as part payment of invoices. Submission of a quote for consideration is evidence that vendor will accept SLD payments.

All wiring will be done with UTP CAT5e 4-pair cable. All connections and materials will be to industry standard. All wiring runs will be hidden and adhere to local building codes. All drops to include raceway, boxes and faceplates. Double drops will have faceplates with 2 RJ45s; single drops will have faceplates with 1 RJ45. Quad drops will have faceplates with 4 RJ45s.

INTERNAL CONNECTIONS:

BLOOM HIGH SCHOOL

1. Technology office
 - a. New fiber to MDF. (approximately 50 meters)
 - b. 2 Rack Mountable Servers – see server list.
 - i. (1) Web Server
 - ii. (1) Proxy Server
2. MDF
 - a. New core switch – see switch list
 - b. New wiring closet
 - c. UPS for new core switch stack
3. IDFs
 - a. 4 new switches for existing IDFs – see switch list
 - b. New 3rd floor IDF to support 36 rooms with double drops. Cabling is not to extend to classrooms. Requires fiber to MDF.
 - c. Computer lab IDF - New wiring closet – include transfer of equipment from cabinet to closet
 - i. 2 new switches – see switch list

4. 3 LAN routers – see router list
 - a. Routers will be used to separate buildings in the Bloom LAN.
5. Installation of wireless network. – see wireless spec sheet
6. Cable 6 classrooms. Each room to have 35 drops. Will connect to existing classroom Cisco 3550-48. Switch will be mounted in new wall rack.
7. Extend fiber cable from MDF to IE junction.

ALTERNATE BUILDING

- 1 Provide double drops at 22 locations.
- 2 Provide quad drops at 2 locations
- 3 Network Electronics closet, 2 new switches – see switch list
 - a) Work will include transferring equipment from wall cabinet to closet.
- 4 New router – see router list

BLOOM TRAIL HIGH SCHOOL

1. MDF
 - a. New core switch – see switch list
 - b. UPS for core switch stack
2. IDFs
 - a. 5 new switches – see switch list
3. Production areas and labs
 - a. 7 new switches – see switch list
4. Router room
 - a. 1 new router – see router list
5. 1 servers – see server specs
 - a. (1) Proxy Server

INTERNET ACCESS

1. Wi-Fi access to ISP at speeds to exceed 10 mb
 - a. Equipment supplied by vendor
 - b. ISP required
2. 4 T-1 lines

Standards and Practices

The interested proposer will adhere to current industry standards and practices and to local and state building codes. The interested proposer will request a copy of the District's Cabling and Installation Practices.

Vendor's Conference

No vendor's conference will be held. Questions may be faxed to 708-755-1316, ATTN: John Wisnewski or may be emailed to jwisnewski@sd206.org.

Proposal Due Date

Proposals are due in the school district office by 10:00 am January 24, 2007. Proposals are to be delivered to the school district office (100 W. Tenth St. Chicago Heights, IL 60411) only. They are not to be delivered to any other location or person. Envelopes containing proposals will be marked "**Proposal for RFP Equipment and Connectivity 2007**". Proposals received after this time will be returned to the proposer unopened.

Spin Number

Vendors will provide their SPIN on all proposal materials.

Award Date

Proposals will be awarded in full or in part on January, 31 2007. Vendors will be notified by phone. All awards and the award date are contingent upon final approval of the discount award by the Schools and Libraries Universal Service Fund Discount Program, its agents, or designees.

Project Initiation Meeting

Project initiation meeting will take place on June 20, 2007, place to be announced. Any and all exceptions are to be discussed and a Project Implementation Schedule will be agreed upon. The Project Initiation Meeting will be rescheduled by the District if necessary. Vendor will provide the project manager with a schedule for the project.

Commencement of Work

No work may begin before July 1, 2007 and must be completed before August 15, 2007 to allow for testing and trouble shooting. The completion date is dependent on the SLD notification of award. All invoices, shipping documents, and work papers must be dated July 1, 2007 or later. All invoices must be itemized to show material and labor authorized under the universal services Erate program as separate from non-authorized material and labor. All vendors will provide their Universal Services SPIN number. Dates may be changed as a result of delays in awards from USAC. Vendors will be kept apprised of delays in awards from USAC.

Proposal Withdrawals

All requests to withdraw proposals must be made in writing to John Wisnewski, Technology Coordinator.

Proposal Opening

Proposals received prior to the time of opening will be kept secure and unopened. The specified time of opening will be determined by the Office of the District Business Manager. No proposal received thereafter will be considered and will be returned to the proposer unopened.

Evaluation Criteria

This RFP is not meant to favor any vendor or manufacturer. Instead, it is designed to meet the needs of Bloom Township High School District 206. District 206 will weigh the proposals based on the vendor's references, qualifications and support as well as technical merit and cost. In awarding the contract(s), District 206 may take into account the vendor's skill, facilities, capacity, experience, responsibility, previous work record, financial standing, the necessity of prompt and efficient completion of work described in the request documents, or other factors District 206 considers relevant. Inability of the vendor to meet these conditions may be cause for rejection of the proposal.

All proposals must be itemized first by building (Bloom High School, Bloom Trail High School, Alternate High School, and District 206) and then must be broken down into 1. Infrastructure, cabling, wiring, etc., 2. network electronics, 3. servers, 4. software, 5. UPS, 6. professional services.

Proposal Acceptance

District 206 reserves the right to accept any or all proposals in full or in part and waive formalities or irregularities in the process. A proposal once submitted shall be deemed final and binding on the Proposer, and shall constitute an option with District 206 to enter into a contract upon the terms set forth in the proposal. Due to the processing nature of the SLD all proposals should be valid until December 31, 2007. District 206 has no control over the timing of notification by the SLD.

Award of any proposal is contingent upon the approval of funding from the Schools and Libraries Universal Service Program. Proposer agrees to receive a portion of payment for the provision of goods and services described herein directly from the Universal Service Fund ("USF") and/or its agents, the National Exchange Carrier Association ("NECA") and/or the Schools and Libraries Corporation ("SLC"). District 206 will not be liable for any delays in payments from the Universal Service Fund, or its agents or designees. District 206 and Proposer will act in a reasonable manner and comply with any Schools and Libraries Universal Service Fund Program requirements as designated under Section 254 of the Communications Act of 1934, as

amended, 47 C.F.R. #254, and any competitive bidding requirements contained in 47 C.F.R. #54.504.

Proposal Award

Unless otherwise indicated in the specifications for the proposal, District 206 reserves the right to award the proposal in whole or part, by item, by group of items where such action serves the best interests of District 206.

Contract Negotiations

School District 206 reserves the right to negotiate a contract after a successful proposer is accepted. Selection will be based on the proposal and subsequent interviews, if any; therefore, proposals must be complete.

References

Include three references of equal or larger size to this current RFP project. Preference will be given to vendors with references for K-12 school implementations. The following information is required of all three references.

- Company/School Name
- Address
- Type of Business
- Contact person
- Telephone and Fax #s
- Dates of Installation
- Description of System

Electronics Equipment Summary

Note: Only brand names indicated are to used. Other brands will not be considered.

Servers:

- (3) Dell PowerEdge 2950

Switches

- (2) Cisco Catalyst 6509
- (7) Cisco Catalyst 3750G-24PS-S
- (10) Cisco Catalyst 3750G-48PS-S
- (2) Cisco Catalyst 3750G-12S-S

Routers

- (2) Cisco 2821
- (3) Cisco 2801

UPS

- (2) APC Symmetra 208v in/208v + 120v out

Internal Wireless Equipment

- (50) Cisco 1200 802.11g Access Points
- (98) Cisco Aironet Dipole Antennas
- (2) Sector Panel 2.4 – 2.5 Ghz 14dbi 90° Antennas

Server Spec Sheet

Only Dell servers will be considered.

All servers must

- Have management software.
- Supply all installation discs.
- Have an extended warranty.
- Have a NBD service agreement.
- Be rack mount servers.
- Have WIN 2003 Server Standard installed.
- Have a CD/DVD.
- Have a FDD.

Web Server: Dell PowerEdge 2950
(2) Dual Core Xeon 5160 (4MB Cache, 3.0 GHz, 1333 Mhz FSB)
2.0 GB DDR2 RAM (4 X 512MB)
(2) 73.0 GB SAS Hard Drive w/ RAID 0
Dual 1000BaseT Ethernet Ports
Redundant power supplies

Proxy Server: Dell PowerEdge 2950
(2) Dual Core Xeon 5160 (4MB Cache, 3.0 GHz, 1333 MHz FSB)
4.0 GB DDR2 RAM (8 X 512MB)
(2) 73.0 GB SAS Hard Drive w/ RAID 0
Dual 1000BaseT Ethernet Ports
Redundant power supplies

File Server 1: Dell PowerEdge 6850
(2) Dual Core Xeon 7041 (2X2MB Cache, 3.0 GHz, 800 MHz FSB)
4.0 GB DDR2 RAM (4 X 1GB)
(5) 146GB SAS Hard Drive w/ RAID 0
Dual 1000BaseT Ethernet Ports
Redundant power supplies

File Server 2: Dell PowerEdge 2950
(2) Dual Core Xeon 5160 (4MB Cache, 3.0 GHz, 1333 MHz FSB)
2.0 GB DDR2 RAM (4 X 512MB)
(2) 73.0 GB SAS Hard Drive w/ RAID 0
Dual 1000BaseT Ethernet Ports

Switch Spec Sheet

All switches must

1. Be Cisco switches.
2. be PoE.
3. be rack mountable.
4. have all firmware up-to-date.
5. have a SmartNet agreement.
6. include all release notes.

Switch List

1. Core switch – Bloom and Bloom Trail
 - a. 1 core switch is required at each building
 - b. Core switch is based on the Catalyst 6509 series switch
 - c. The core switches can only be set up and installed by either a CCNP or CCIE
 - d. Must include all release notes
 - e. The core switch will consist of the following Cisco components plus any other necessary components
 - i. WS-C6509-S720-6724
 - ii. MEM-C6K-CPTFL512M
 - iii. WS-SUP720
 - iv. WS-X6724-SFP
 - v. WS-X6548-GE-45AF
 - vi. GLC-SX-MM= transceivers
2. Bloom Trail H.S. Network Switch
 - a. 48-port switches
 - i. (6) WS-C3750G-48PS-S
 - ii. (8) GLC-SX-MM= transceivers
 - b. 24-port switches
 - i. (1) WS-C3750-24PS-S
 - ii. (2) GLC-SX-MM= transceivers
 - c. Multilayer switch
 - i. (1) WS-C3750G—12-12S-S
 - ii. (7) GLC-SX-MM= transceivers
3. Bloom Trail H.S. Lab/Classroom Switches
 - a. 48-port switches
 - i. (2) WS-C3750G-48PS-S
 - ii. (4) GLC-SX-MM= transceivers
 - b. 24-port switches
 - i. (3) WS-3750G-24PS-S
 - ii. (6) GLC-SX-MM= transceivers
4. Bloom H.S. Network Switches
 - a. 24-port switches

- i. (1) WS-C3750-24PS-S
 - ii. (2) GLC-SX-MM= transceivers
- 5. Bloom H.S. Lab/Classroom Switches
 - a. 48-port switches
 - i. (4) WS-C3750G-48PS-S
 - ii. (8) GLC-SX-MM= transceivers
 - b. Multilayer switch
 - i. (1) WS-C3750G—12-12S-S
 - ii. (7) GLC-SX-MM= transceivers

Router Spec Sheet

- All routers to be Cisco routers
- All routers to be covered by SmartNet
- Set up to be performed by either a CCNP or CCIE

1. WAN router

- a. Cisco2821-SEC/K9 router – to include appropriate DSU, memory, etc. for 2-T1 lines transmitting both data and voice.

2. LAN routers

Cisco 2801 routers to function between buildings

Wireless Spec Sheet

Proposers of the wireless network installation should request the Bloom High School Wireless survey.

Bloom High School is a four-story school built in 1931. There are a number of plaster with wire mesh walls and thick concrete floors. The network is to be a full roaming wireless network throughout the school. The network should consist of two sides; one should be a fully secured and access the existing LAN and the other should access the internet only.

Equipment:

Only Cisco equipment will be considered.

- (50) Cisco 1200 802.11g Access Points
- (98) Cisco Aironet Dipole Antennas
- (2) Sector Panel 2.4-2.5 GHz 14dbi 90° Antennas

Installation is to include all testing, project management, network integration, etc.