

REQUEST FOR QUOTATION	TROY SCHOOL DISTRICT 1140 RANKIN, TROY, MICHIGAN 48083 248-823-4052 FAX: 248-823-4077	
No. 9576		
DUE DATE NO LATER THAN 10-17-08 3 p.m.		DATE 10-14-08

REQUEST FOR QUOTE - NOT AN ORDER

THIS FORM MUST BE UTILIZED WHEN RESPONDING TO THIS REQUEST
BID ENVELOPE ENCLOSED

THE RFQ NUMBER MUST APPEAR ON ALL QUOTATIONS AND RELATED CORRESPONDENCE, THIS IS NOT AN ORDER

Quantity	DESCRIPTION	UNIT PRICE	AMOUNT
	<p>Please supply us with your bid to furnish the Troy School District with a WIRELESS BRIDGE FROM THE ATHENS PRESS BOX TO ATHENS HIGH SCHOOL</p> <p style="text-align: center;">Copies of the bid are available at: www.troy.k12.mi.us/purchasing/items_out_for_bid.htm (left column)</p> <p style="text-align: center;">Bid recaps will be available at: www.troy.k12.mi.us/purchasing/items_out_for_bid.htm (right column)</p> <p style="text-align: center;"><u>FACSIMILE BID IS ACCEPTABLE</u></p> <p>Bids will not be accepted if submitted after the deadline specified (local time) in the advertisement to bid or in the information to bidders. The late submission of a bid makes the bid nonresponsive and is a material defect which shall not be waived by the Board of Education. Delays in the mail will not be considered. All Late bids in the mail will be returned to the bidder unopened.</p> <p>Proposal for the submission of alternatives by vendors will be accepted and reviewed. However, if any substitution or departure is not clearly noted and described, it will be understood that the bid intends to exactly meet the specifications.</p> <p>The Board of Education shall be the sole judge as to whether the proposed goods are "equal" or "approved". Quotations must be mailed or delivered to the Purchasing Office, 1140 Rankin, Troy, MI 48083 no later than 3 p.m. on the date shown above. Michigan State Sales and Use Taxes and Federal Excise Taxes do not apply unless otherwise indicated. Exemption certificates will be furnished when necessary. This request imposes no obligations on the buyer. The Board of Education reserves the right to accept or reject any or all bids or to split awards by items or to accept bids, which will best serve the Board of Education.</p>		

THIS AREA MUST BE FILLED IN

DELIVERY TIME	PRICES FIRM FOR	NAME OF COMPANY	TELEPHONE NO.
TERMS		NO. & STREET	FAX #
FOB DELIVERED	ALL DELIVERY CHARGES MUST BE INCLUDED IN PRICES SHOWN	CITY, STATE & ZIP CODE	E-MAIL
CONTACT PERSON (PLEASE PRINT)		SIGNATURE	DATE

Troy School District

Bid 9576

1.1 SUMMARY

- A. This contract will consist of providing equipment, installation and configuration services to provide a wireless bridge from the press box located at the athletic field to the main building at Athens High School. Upon completion of the installation, the press box shall have a wireless bridge connection to the main building capable of a minimum bandwidth of 1.5Mb.

1.2 SYSTEM DESCRIPTION

- A. The District has an existing Cisco wired and wireless network infrastructure. The District's existing network is a spoke and hub configuration that is centrally managed at the District Head End (DHE). The wireless network provides full in building coverage District wide and consists of Cisco 1131 and Cisco 1242 access points and multiple Cisco WISM blades installed in the core Cisco 6509 providing wireless management and N+1 redundancy. The District's wired network consists of Cisco 2948, Cisco 2960, Cisco 3560 and Cisco 3750 switches located throughout the District. The District provides 1 Gb to the desktop and has PoE capabilities in each MDF and IDF closet. Each building is connected to the DHE utilizing fiber providing a 1 Gb backbone. The District utilizes a private IP scheme with at least one (1) subnet at each building. The District utilizes multiple VLAN's to separate and manage network traffic.
- B. The goal of this project is to provide 1.5Mb of bandwidth to the internet for users located within the press box for the purpose of streaming audio and video to an offsite non-district owned production server. This traffic shall be isolated from internal District network traffic. This network traffic shall at no time enter the District's internal network. The link shall not interfere with the District's existing internal wireless network. This contractor will be required to make configuration changes to the District's Cisco Firewall Services Module (FWSM) and create a VLAN to isolate and direct the press box network traffic directly to the District's internet connection.

1.3 PRODUCT

- A. The District is requesting quotes for a Cisco based system utilizing Aironet 1310 outdoor access point/bridges.

1. Cisco Aironet 1310 System:

<u>Product</u>	<u>Description</u>	<u>Quantity</u>
AIR-BR1310G-A-K9	Aironet 1310 Outdoor AP/Br w/ Integrated Antenna, FCC Config	2
AIR-PWR-CORD-NA	AIR Line Cord North America	2
S131W7K9-12308JEA	Cisco 1310 Series IOS WIRELESS LAN	2
AIR-ACCRMK1300	Aironet 1300 Roof Mount Kit	2
AIR-CAB100DRG6-F	100 ft Dual RG-6 Cable Assembly w/F-Type Connectors	1

- A. Include with your bid all miscellaneous hardware, software, licensing and any other appurtenances required for a complete, professional installation that leaves the system operating efficiently and to the District's satisfaction. No allowances for any additional hardware, software, licensing, or miscellaneous will be considered unless specifically excluded from your quotation.
- B. The Owner will provide necessary data and 120v power within the vicinity of the installation.

1.4 EXECUTION

- A. Meet with District staff to gather necessary configuration information required to complete the system installation.
- B. Follow industry and Cisco best practices while performing the installation.
- C. Installation of AP's/bridges shall be on vertical surfaces and all building penetrations shall be weather tight sealed.
- D. Properly ground and provide lightning and surge protection for each AP/bridge.
- E. Make necessary configuration changes/additions to the District FWSM and VLAN configuration to provide functionality as defined within these specifications.
- F. Test the system and insure that bandwidth requirements are met and functionality is per these specifications.

1.5 TIMELINE

- A. Complete all system installation and testing by **November 1, 2008.**

1.6 QUOTE

Quote Number 1 – Provide equipment and labor to install and configure a wireless bridge solution meeting or exceeding the specifications contained herein utilizing a Cisco Aironet 1310 solution:

Lump sum quote for Athens High School \$_____

Company:_____

Address:_____

City:_____ State:_____ Zip:_____

**Troy School District
Athens Press Box Wireless Bridge
Bid 9576**

Quote #1:

Provide Equipment and labor to install and configure a wireless bridge solution utilizing a Cisco Aironet 1310

Netech Corp.	\$ 5,447.30
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Sentinel Technologies	\$ 6,099.00
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Analysts International: No Response