



REQUEST FOR PURCHASE IN EXCESS OF \$20,000/CHANGE ORDER

To:	MAYOR AND COUNCIL	Agenda Item No. <u>IV.J.</u>
From:	Jennifer L. Bennerotte Communications & Technology Services Director	
Date:	May 15, 2012	
Subject:	Request for Purchase – City of Edina Wireless Networks	
Date Bid Opened or Quote Received: April 20, 2012	Bid or Quote Expiration Date: N/A	
<u>Company</u>	<u>Amount of Quote or Bid</u>	
1. LOGIS	\$95,261.42	
RECOMMENDED QUOTE OR BID:		
LOGIS	\$95,261.42	
GENERAL INFORMATION:		
<p>While the City has made advances toward meeting the Vision 2020 objective of “Evaluat[ing] and efficiently employ[ing] technological advancements to provide City services,” one area where we have not kept pace is wireless internet access. Free wireless internet access has become so commonplace that people visiting City Hall expect it. When their mobile devices cannot find our wireless signal, they ask what they need to access it. They are surprised when we say we don’t offer wireless internet. This happens week in and week out, particularly when people come to public meetings or come to make presentations or sales pitches to staff members.</p> <p>Edina Public Schools now offers WiFi in all of its buildings. The Hennepin County libraries and service center in Edina offer free WiFi. Last summer, Communications staff called area cities to find out what they offer. At the time, Bloomington, Burnsville, Chanhassen, Eagan, Eden Prairie, Minneapolis, St. Louis Park and Woodbury had WiFi at their City Halls. Since that time, Lakeville, Minnetonka and Richfield have added WiFi at their City Halls, too. Many of those cities have wireless networks that benefit other municipal properties.</p> <p>There are a few City of Edina facilities offering free WiFi. To meet the demands of their customers, some of our enterprise facilities have made their own provisions for wireless internet, contracting with private companies such as Comcast. Cost is approximately \$100 per month, per facility.</p> <p>The Communications & Technology Services Department recently began working with LOGIS to develop a plan for a wireless project. The goal of the initial Edina wireless project is to establish WiFi coverage to be used by the public and City staff at Edina City Hall and the Edina Art Center, Braemar Arena, Braemar Golf Course, Centennial Lakes Park, Edinborough Park and the Edina Senior Center. The wireless signal</p>		

coverage will need to meet a "Premier 1" coverage, which is defined as coverage allowing access to the WiFi signal with 50 percent or greater signal strength. This coverage will encompass office areas, public areas and general meeting areas in each facility. The coverage will be much stronger and more reliable than that offered by Comcast. Four SSIDs, or wireless networks, would be created as part of the project. Each one would have its own unique purpose/function and IP address range:

- EdinaOpen – This network will be used by the general public and be an "open" network with no encryption key or password.
- EdinaCity – This network will be used by the City staff and will be a secured network that utilizes WPA2 AES Enterprise encryption. Devices connecting to this segment will have limited access to City resources that will be identified during implementation.
- EdinaPolice – This network will be used by the public safety devices and will be a secured network that utilizes WPA2 AES Enterprise encryption. Devices connecting to this segment will have limited access to City resources that will be identified during implementation.
- EdinaIPT – This network will be dedicated for IP Telephony purposes. Although this is not utilized at this time, it will serve the function for future devices needing connectivity such as iPads, iPhones and wireless phones.

The project is estimated to cost \$95,261.42. The project budget was \$110,000. Equipment would be purchased by LOGIS off of the state contract. LOGIS would oversee the project with assistance from the Communications & Technology Services staff. The costs related to each facility are estimated to be:

- Edina City Hall -- \$12,117.67
- Edina Art Center -- \$5,813.52
- Braemar Arena -- \$24,043.82
- Braemar Golf Course -- \$5,845.52
- Centennial Lakes Park -- \$3,247.26
- Edinborough Park -- \$6,590.52
- Edina Senior Center -- \$2,348.89

The cost of wiring Braemar Arena is significantly higher than that of the other facilities because it is roughly the equivalent of three buildings and it has concrete walls and floors. Though the Communications & Technology Services Department recommends proceeding as planned and wiring all three rinks, the Arena project could be scaled back to include just the lobby, office area and West Arena, which would cut approximately \$10,000 from the project to be used in 2012 to network another City facility or facilities. The wireless network could be expanded into the other rinks in future years.

The remaining costs would be for WiFi management software, systems and labor. Annual software maintenance costs are estimated to be \$7,463.20. The equipment has a five-year lifespan.

If approved, work on the project would begin immediately, with work substantially complete in early July. The Communications & Technology Services Department will recommend expansion of the wireless networks to other facilities in 2013 and beyond.

Signature	Communications & Technology Services Department
The Recommended Bid is	John Wallin, Finance Director
within budget	not within budget
Scott Neal, City Manager	