



**City of Rochester Hills  
AGENDA SUMMARY  
FINANCIAL ITEMS**

**1000 Rochester Hills Dr.  
Rochester Hills, MI 48309  
248.656.4630  
[www.rochesterhills.org](http://www.rochesterhills.org)**

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**Legislative File No:** 2005-0403

**TO:** Mayor and City Council Members  
**FROM:** Bob Grace, Management Information Systems, 248-841-2477  
**DATE:** October 4, 2005  
**SUBJECT:** Network Upgrade Project

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**REQUEST:**

Management Information Systems requests that City Council authorize the network upgrade project, including the purchase of a SAN, new servers, backup system, software, etc., in the amount of \$519,179.16, which includes a 5% contingency, utilizing the products and services of Technical Solutions, Inc, Smart Solutions, Inc, Comcast Commercial Services, EDS/State of Michigan, and other selected vendors.

**REASON FOR PURCHASE:**

The City's existing computer network is aging and is in need of replacement. It was originally designed in 2000, and was intended to have a lifespan of approximately three years. In both 2003 and 2004, we consciously pushed the project back one budget year. Now, due to the process involved with design, we are entering the 4<sup>th</sup> quarter of 2005, and the majority of our equipment is nearing or is at five years of age. The equipment is out of warranty, storage is running low on the servers, and the network itself is in need of a technological redesign. The redesign and upgrade will remove our aging equipment, bring in new technology, introduce a SAN (storage area network), which will bring versatile storage abilities to the City, and allow us to continue to serve our residents.

This project brings the City a more sophisticated network solution allowing a storage system that better meets the needs of all city departments. Storage can be allocated, redistributed or easily added based on future conditions. The SAN has been designed to meet our storage needs through 2008, possibly only needing more drives and maintenance. During our next expected upgrade in 2009, we would expect server replacements, however, the SAN itself should have a longer lifespan with potential upgrade possibilities. In addition we are upgrading our data backup capabilities, communication with remote sites, and security. We are also implementing a redundant server environment in order to protect against system failure.

This project is the result of an extensive design process. The design took into account our current and future needs for the next several years. Three RFP's were issued for the three main components of the project and the vendors below were selected based on the best value to the City. The WAN equipment, installation and support will be quoted out separately, as the original vendor withdrew its proposal. The cost estimate is \$15,100 and is included in the overall total project budget.

**PROCESS:**

**Vendor Name and Address:**

SAN Provider:

Technical Solutions, Inc.  
1920 Livernois Rd  
Troy, MI 48083  
\$245,840.23

Network Servers/Integration & Network Utilities:

Smart Solutions, Inc.  
26677 W. Twelve Mile Road  
Southfield, MI 48034  
\$138,745

Wide Area Network:

Comcast Commercial Services  
29777 Telegraph Road, Suite 400  
Southfield, MI 48034  
\$13,262

Microsoft Software:

EDS/State of Michigan Contract  
\$81,509.11

Project Contingency 5% \$24,722.82

**Reason for Selection:**

Quality Based Selection from RFP based on Price, Product, Company, and Level of Service provided.  
Best Value.

**Method of Purchase:**

Contract/Purchase Order

**BUDGET:**

This project will include funds carried over from the 2004 budget, 2005 budget, and a budget amendment. It will also include Maintenance for the 2006 budget \$52,354 of the \$100,000 would be used.

<b>Fund Name</b>	<b>Department Account No</b>	<b>Account No. Description</b>	<b>Budget Amount</b>	<b>Cost</b>	<b>Remaining Budget</b>
<b>2005 Current Budget</b>					
MIS	636-740000	Network Server Software Licenses	\$15,000	\$15,000	\$0
MIS	636-740000	Network Server Upgrades	\$10,000	\$10,000	\$0
MIS	636-932000	Router/Firewall Maintenance	\$8,300	\$8,300	\$0
MIS	636-934000	Surf Control SuperScout	\$5,200	\$5,200	\$0
MIS	636-934000	Network Backup Software	\$500	\$500	\$0
MIS	636-934000	Windows Server 2003 Software Assurance	\$4,500	\$4,500	\$0
MIS	636-934000	Windows Server 2003 CAL Soft. Assurance	\$8,250	\$8,250	\$0
MIS	636-934000	MS Exchange Server Software Assurance	\$350	\$350	\$0
MIS	636-934000	MS Exchange Server CAL Soft. Assurance	\$8,750	\$8,750	\$0
MIS	636-934000	MS SQL Processor License & SA	\$14,000	\$14,000	\$0
MIS	636-980000	PeopleSoft Appl server	\$31,000	\$31,000	\$0
MIS	636-807000	Hostable Internet Connection	\$24,000	\$24,000	\$0
MIS	636.980000	*IS-15A Upgrade	*\$60,000	\$60,000	
MIS	636.980000	**IS-15 Upgrade	\$0	\$40,000	\$(40,000)
MIS	636-980000	*Network Upgrades Plante & Moran	*\$220,000 -48,097	\$171,903	\$0
MIS	636-980000	Network Upgrade	\$0	\$117,426	\$(117,426)
<b>Totals</b>			\$361,753	\$519,179	\$(157,426)

<b>2006 Budget</b>					
MIS	636-932000	Maintenance Software Network Maintenance	\$100,000	\$52,354	\$47,646

\* Performed in the 2005 First Qtr budget amendment

\*\* Request to be Carried over from 2004 budget in Fourth Qtr 2005 budget amendment

**RECOMMENDATION:**

**To bring our aging network to current standards, it is recommended that City Council** authorize the network upgrade project, including the purchase of a SAN, new servers, backup system, software, etc., in the amount of \$519,179.16, which includes a 5% contingency, utilizing the products and services of Technical Solutions, Inc, Smart Solutions, Inc., Comcast Commercial Services, EDS/State of Michigan and other selected vendors.

**RESOLUTION**

**NEXT AGENDA ITEM**

**RETURN TO AGENDA**

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<b>APPROVALS:</b>	<b>SIGNATURE</b>	<b>DATE</b>
<b>Department Review</b>		
<b>Department Director</b>		
<b>Budget Content: Finance Director</b>		
<b>Purchasing Process: Supervisor of Procurement</b>		
<b>Mayor</b>		
<b>City Council Liaison</b>		