



**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: 2005-0780**

**TO:** Mayor and City Council Members  
**FROM:** Roger Rousse, Director of Public Service  
**DATE:** November 16, 2005  
**SUBJECT:** Survey Equipment

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**REQUEST:**

City Council is requested to authorize a purchase order to Leica Geosystems, Inc., Fenton, Michigan for survey equipment in the amount of \$36,234.90.

**REASON FOR PURCHASE:**

Leica TCRP1205 Total Station  
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The request for replacement of the our conventional surveying equipment in the 2006 budget was prompted by the judgement that it was nearing the end of it's service life, a judgement confirmed by it's recent failure. The unit was purchased in 1982. Parts and service expertise are no longer readily available. *Engineering Services requires immediate replacement to fulfill contract obligations for engineering layout on several upcoming projects scheduled to start in late November.* The proposed purchase incorporates advances in measurement technology, remote operation and data processing that have produced dramatic increases in productivity for private and public organizations that have acquired this unit.

GPS upgrades  
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Our current method of performing GPS surveys requires that we have one of the two GPS units operate as a base station that transmits corrections to the other unit that operates as a rover. With the new system, utilizing the modems, we receive corrections from the MDOT base station located in Auburn Hills. This frees up our base to become a rover and then doubles our GPS capacity with no drop in accuracy or loss of radio signal (which frequently occurs when we transmit from City Hall). Additionally the new system allows for a one person operation because we do not need to utilize both GPS units at once.

The benefits GPS and total stations are maximized when they are used in support of each other. We request that the GPS upgrade also be purchased at this time to minimize training time, as it is a minor part of the total cost.

Competitive sealed bids were solicited both through posting on the MITN (Michigan Intergovernmental Trade Network) and U.S. Mail to Michigan and out-state suppliers of Leica survey equipment. One bid was received from Leica Geosystems, Inc., the only authorized sales representative in Michigan.

**PROCESS:**

**Vendor Name and Address:**

Leica Geosystems, Inc.  
3290 Ridge View Trail  
Fenton, Michigan 48430

**Reason for Selection:**

Only authorized sales representative in Michigan

**Method of Purchase:**

Blanket Purchase Order

**BUDGET:**

2006

<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>
DRAINS	977000	EQUIP-CAPITALIZED	\$13000	12078.29	921.71
WATER-532	977000	EQUIP-CAPITALIZED	\$13000	12078.29	921.71
SEWER-512	977000	EQUIP-CAPITALIZED	\$13000	12078.30	921.70

**RECOMMENDATION:**

It is recommended that City Council authorize a purchase order to Leica Geosystems, Inc., Fenton, Michigan for survey equipment in the amount of \$36,234.90.

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**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>		