



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

**1000 Rochester Hills Dr.  
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**Legislative File No: 2010-0319**

**TO:** Mayor and City Council Members  
**FROM:** Roger H. Rousse, Director, Department of Public Service  
**DATE:** July 16, 2010  
**SUBJECT: Radar Speed Display Project**

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**REQUEST:**

The Department of Public Service requests authorization of a project budget for the Radar Speed Display Project to J. Ranck Electric, Inc. of Mt. Pleasant, Michigan, DTE Energy, and other vendors as appropriate in the amount of \$305,000.00 and authorizes the Mayor and Clerk to execute contracts on behalf of the City.

**REASON FOR PURCHASE:**

Recognizing the need to improve public safety and enforce speed compliance, the City of Rochester Hills, in collaboration with the Oakland County Sheriff's Office (OCSO), conceived a way to maximize community policing strategies with the use of Radar Speed Signs. By targeting School Safety Zones and residential collector roads that experience a higher than normal rate of speed violations, data can be collected and analyzed which will allow for better control and optimization of policing services, while addressing the budgetary constraints.

In an effort to identify potential funding sources, Mayor Barnett met with and presented the project plans to Congressman Joe Knollenberg and Senator Debbie Stabenow in January 2008. After demonstrating the need to address the existing community policing strategies, the City of Rochester Hills was notified in March 2009 that the project had been selected for funding under the Community Oriented Policing Services (COPS) Grant issued by the U.S. Department of Justice (DOJ).

Thanks to the support and collective efforts of former Congressman Joe Knollenberg and Congressman Gary C. Peters, the project is the first known project of its kind in Oakland County. As requested, City staff submitted the formal grant application in June of 2009 and officially accepted the awarded grant in the amount of \$305,000.00 in the fall of 2009.

A Request for Proposals (RFP) was solicited in February of 2010 with two (2) proposals received and evaluated. Both firms that submitted RFPs were interviewed. J. Ranck Electrical, Inc., teaming with Hubbell, Roth & Clark, Inc., was selected as the best qualified to work with the City to perform pre and post engineering studies, identifying locations to place the radar speed display units, and to install the units in the field. These companies consist of professionals with extensive expertise in the fields of electronic traffic control

devices/signage and traffic engineering, respectively. Based upon the final project scope that was developed during the RFP phase, several of the project cost allocations were modified and therefore needed the DOJ to approve an amended budget breakdown. The City received approval for the amended budget from the DOJ on July 7, 2010.

There are a total of thirteen (13) locations [26 signs] where the radar speed display units are proposed to be installed. The candidate locations include school zones along major roads and major collector roads within residential subdivisions. The final decision on the placement of the units will be based on a traffic engineering study and evaluation, including criteria such as speeds, crashes, traffic volumes, etc. The intent of the project is to utilize solar technologies to the greatest extent possible. In some situations, physical constraints such as tree canopies may limit the feasibility to install solar units, in which case, the radar speed display units would be hardwired to a DTE Energy source.

For purposes of estimating project costs, which is required by the COPS Grant, staff calculated the number of locations based upon the utilization of eleven (11) solar powered units and two (2) hardwired units. The estimated cost for providing the pre and post engineering studies, design, DTE Energy allowance (if necessary) and installation of the 26 display units at the thirteen (13) locations is \$283,272.00. In addition to the installation of the units, staff will also be purchasing two (2) toughbook computer notebooks with blue tooth wireless technology capabilities in order to be able to remotely access the speed display traffic data and revise the scheduled programming as necessary. The estimated cost for the two (2) toughbooks is \$12,000.00. The estimated costs for the installation of the thirteen (13) display units and two (2) toughbooks totals \$295,272.00, leaving an additional amount of \$9,728.00 to cover unknown costs such as additional traffic studies that may be necessary, DTE Energy costs for hardwire units, etc. As the project moves forward through the preliminary engineering study and implementation, any unused project monies that are available will be utilized in spare part components or possibly another location.

As part of the COPS grant requirements, several post implementation studies and audits are required to determine the effectiveness of the radar display units, including improving the utilization of Oakland County Sheriff resources through selective enforcement based upon traffic data collected.

### **PROCESS:**

#### **Vendor Name and Address:**

J. Ranck Electric, Inc.  
1993 Gover Parkway  
Mt. Pleasant, MI 48858

#### **Reason for Selection:**

Most qualified

#### **Method of Purchase:**

Contract/Blanket Purchase Order

### **BUDGET:**

The project was not identified in the 2010 CIP or 2010 Adopted Budget. The project cost is \$305,000.00, which is reimbursed 100% via the COPS Grant. A 3<sup>rd</sup> Qtr Budget Amendment will be forthcoming under MR Traffic Service 202.472.801000

<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>
Major Road	472.801000	Traffic Service	\$0.00	\$305,000.00	(\$305,000.00)

**RECOMMENDATION:**

The Department of Public Service recommends that the Rochester Hills City Council authorize a project budget for the Radar Speed Display Project to J. Ranck Electric, Inc. of Mt. Pleasant, Michigan, DTE Energy, and other vendors as appropriate in the amount not-to-exceed \$305,000.00 and further authorize the Mayor to execute contracts on behalf of the City.

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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>		