



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

**1000 Rochester Hills Dr.
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www.rochesterhills.org**

Legislative File No: 2008-0067

TO: Mayor and City Council Members

FROM: Roger Rousse, Department of Public Service, Ext. 2497

DATE: February 7, 2008

SUBJECT: Traffic Signal Upgrade and Modernization at the intersection of Brewster and Walton Blvd. – Four (4) Phase Flashing Yellow Left-Turn Arrow

REQUEST:

City Council is requested to authorize the issuance of a blanket purchase order to the Road Commission for Oakland County (RCOC) for the upgrade of the existing traffic signal for a total blanket purchase order amount of \$40,950.00, which includes a \$1,950.00 (5%) contingency for miscellaneous construction items associated with the installation of the proposed traffic signal upgrade.

REASON FOR PURCHASE:

The proposed traffic signal upgrade at the intersection of Brewster/Walton Blvd will incorporate the new four (4) phase left-turn signal (RCOC and LTAP brochures attached), as has been recently installed at the intersections of Old Perch/Walton Blvd and Adams/Auburn. Safety concerns regarding the left-turn movements at the intersection of Brewster/Walton Blvd have routinely been discussed at the Advisory Traffic and Safety Board (ATSB) meetings. The installation of the new flashing yellow left-turn signal will provide improved safety and minimize traffic delays. The new signal configuration will include a “box-span” design, which provides separate signal heads for each leg of the approach, as opposed to the older “span-wire” designs that utilized a single set of signal heads for all approaching legs. The modern “box-span” design also allows for improved visibility and reduces the potential for red light running.

The estimated costs for the proposed traffic signal upgrade, including design and installation, is \$117,000.00, of which the City is responsible for 33-1/3%, or \$39,000.00. The request for upgrading the existing traffic signal at this intersection was originally brought forth to City Council at its regularly scheduled meeting held on Wednesday, January 24, 2007, as part of the previously approved blanket purchase order for traffic signal and SCAT operation, maintenance, and upgrade. At the time, the estimated City cost share was approximately \$20,000.00. However, due to recent mandates of the American with Disabilities Act (ADA), the approaching pedestrian pathway ramps will need to be upgraded as part of the traffic signal upgrade, and therefore the City’s share of the cost has increased to \$39,000.00.

Under the terms and conditions of separate agreements with the RCOC, the City of Rochester Hills has agreed to pay for a shared percentage of costs associated with installing, upgrading, and maintaining traffic signals on our major roads. The actual cost to the City to maintain and/or repair traffic signals varies from month to month, typically \$500.00 to \$2,000.00, depending on the volume and nature of the service requests that are performed by RCOC, as well as the number of intersection approach legs under City jurisdiction. These costs include electricity, labor, equipment and materials and are included in the City’s annual traffic signal maintenance

budget. Approval of the attached traffic signal agreement will supersede the existing signal agreement for this intersection.

PROCESS:

Vendor Name and Address:

Road Commission for Oakland County
2420 Pontiac Lake Road
Waterford, Michigan 48328

Reason for Selection:

Terms and Conditions of a Separate Agreement

Method of Purchase:

Purchase Order

BUDGET:

Costs associated with the proposed traffic signal upgrade, maintenance, and operations were included in the 2008 annual traffic signal budget. The 2008 traffic signal budget includes a \$20,000.00 contingency for miscellaneous items and associated inflationary costs. This \$20,000.00 contingency will be utilized to cover the increased costs associated with the pedestrian ramp upgrades.

Fund Name	Department Account No	Account No. Description	Budget Amount	Cost	Remaining Budget
Major Road	472.807003	Traffic-Contractual Oakland County	\$150,000.00	\$40,950.00	\$109,150.00

RECOMMENDATION:

It is recommended that City Council authorize the issuance of a blanket purchase order to the Road Commission for Oakland County (RCOC) for the installation, maintenance, and repairs of the proposed traffic signal upgrade at the intersection of Brewster and Walton Boulevard for a total blanket purchase order amount of \$40,950.00 and authorize the Mayor to execute the agreement & the Clerk to issue a certified resolution on behalf of the City.

RESOLUTION

NEXT AGENDA ITEM

RETURN TO AGENDA

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

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