



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

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

Legislative File No: 2009-0434

TO: Mayor and City Council Members

FROM: Roger H. Rousse, Director of Public Service

DATE: October 2, 2009

SUBJECT: **Michigan Department of Transportation Contract for the M-150 (Rochester Road) Traffic Safety Audit between South Boulevard and Avon Road
City File No. E09-042**

REQUEST:

City Council is asked to approve the contract between the Michigan Department of Transportation (MDOT) and the City of Rochester Hills for the preparation of a traffic safety audit along Highway M-150 (Rochester Road) between South Boulevard and Avon Road in the amount of \$25,000.00.

REASON FOR PURCHASE:

Work involves coordination with MDOT to conduct a road safety audit on M-150 (Rochester Road) to develop a prioritized list of safety mitigation measures that will improve traffic safety along the M-150 corridor. Methodology for the safety review will include site visits, traffic counts, review geometry, signal operation & operational analysis, review collision crash data and analysis of collision trends, identification of countermeasures and economic evaluations and implementation strategies.

The concept of a road safety audit was developed from the Rochester Hills Master Thoroughfare Plan that identified several intersections and roadway segments along Rochester Road as having above average crash rates and ranking's. Based on the road safety audit, the partner agencies (Traffic Engineering Divisions of City of Rochester Hills & Michigan Department of Transportation) will work together to improve safety, traffic operations and crash reduction along Rochester Road.

Traffic Improvement Association (TIA) 2006-08 Crash Reports (copies attached) identify Rochester Road intersections and roadway segments as having the highest traffic crash frequencies from South Blvd. to Avon Road.

MDOT has estimated that the cost to be approximately \$50,000.00 to perform the audit at a 50/50 split between the City and MDOT. Other benefits from performing the Rochester Road Safety Audit include:

- Provides the City and MDOT with detailed information, including crash data and recommended counter measures, which are necessary supporting documentation when applying for federal funding, such as Highway Safety Improvement Program (HSIP).
- The corridor was specifically identified as having significant traffic safety issues and concerns in the City's Master Thoroughfare Plan Update, which was a network level screening of transportation issues. The top four (4) segment crash locations identified within the City are along Rochester Road. Three (3)

intersections along this stretch (Avon, Auburn, and Hamlin) were identified as having above-average crash rates with City rankings of No. 1, 2, and 4, respectively.

- This study is the next logical step to determine the site specific safety issues and remedies.
- The analysis which will be conducted will define issues related to geometrics, operations, crash data, traffic conflicts, and human factors (i.e. speeding, following too close, driving without due care, etc.).
- The study will bridge the gap between crash reports and the road environment to determine road-related crash causes, which are essential to determine feasible mitigation measures.

The final deliverable at the end of the study is a prioritized set of feasible and economical safety countermeasures that will reduce the risk of crashes at the collision prone locations. The final report will assist the City and MDOT in submitting applications for grants and increasing the likelihood of gaining approvals for federal funds.

PROCESS:

Vendor Name and Address:

Michigan Department of Transportation
Murray D. VanWagoner Building
P. O. Box 30050
Lansing, Michigan 48909

Method of Purchase:

Contract, Blanket Purchase Order

BUDGET:

Funds were not appropriated for this study in the 2009 Operating Budget. If approved, a 3rd quarter budget amendment will be forthcoming.

Fund Name	Department Account No	Account No. Description	Budget Amount	Cost	Remaining Budget
Major Roads Traffic Service	202.472.801 000	Professional Services	-0-	\$25,000.00	(\$25,000.00)

RECOMMENDATION:

The Department of Public Services/Engineering Services recommends that the City Council approves the contract between the Michigan Department of Transportation and the City of Rochester Hills for the preparation of a traffic safety audit along Highway M-150 (Rochester Road) between South Boulevard and Avon Road in the amount of \$25,000.00 and authorizes the Mayor and City Clerk to execute the agreement on behalf of the City.

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

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