



**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: 2011-0128**

**TO:** Mayor and City Council Members  
**FROM:** Paul M. Davis, P.E., Department of Public Services, 656-4640  
**DATE:** March 21, 2011  
**SUBJECT:** M-59 Noise Barrier Construction; City File No. E01-017A

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**REQUEST:**

City Council is asked to approve a contract with the Michigan Department of Transportation (MDOT) for the construction of two concrete noise abatement walls along the M-59 corridor.

**REASON FOR PURCHASE:**

As part of the M-59 widening project between Crooks and Ryan Roads, MDOT was required to review the impact of noise increases along the corridor. A Noise Analysis Report dated September, 2008 was prepared for the MDOT by HNTB Michigan, Inc. and the report reviewed thirteen (13) sites for potential noise barrier construction, twelve of which were located within Rochester Hills' limits.

In order to qualify for construction funding through MDOT, a noise barrier had to be deemed feasible and reasonable. All thirteen locations for potential noise barrier construction studied met the criteria for *feasibility* since the upper range of existing noise levels exceeded 66 decibels and there were no existing location constraints that would prohibit construction of a barrier. However, only two locations met the criteria to be considered as a *reasonable* expenditure. The threshold for a noise barrier being *reasonable* is that the construction cost of the barrier is at or below \$38,600.00 per benefitting units.

The first qualifying noise barrier locations is located along the eastbound on-ramp (Ramp F) from Rochester Road along the south side of M-59. The second location is for the westbound on-ramp (Ramp K) from Dequindre Road along the north side of M-59.

The M-59 widening project was built with the federal stimulus monies and typically required that chosen projects be shovel-ready. Projects constructed with the federal stimulus funding did not require a local share unless the project costs exceed the stimulus fund amount made available to the project. MDOT's policy for noise barriers requires that public meetings be held to define the noise barrier pattern, and since the engineering design of the walls was not started, MDOT moved forward with the stimulus-funded widening project without the barriers.

The decision to pull the noise barrier construction from the stimulus project meant that the project would be funded with federal monies and a local share from MDOT and Rochester Hills according to the Act 51 process. As seen on the attached local cost participation agreement, approximately 81.85% of the total noise barrier construction and construction engineering costs will be covered by federal funds. The remaining amount will be split by MDOT at 87.5% and Rochester Hills paying 12.5% per Act 51 requirements. The expected local share from Rochester Hills for the two approved locations is currently estimated at \$89,500.

**PROCESS:**

**Vendor Name and Address:**

Michigan Department of Transportation  
Real Estate Division, 2<sup>nd</sup> Floor  
425 West Allegan Street, P.O. Box 30050  
Lansing, MI 48909

**Method of Purchase:**

Contract and Blanket purchase order

**BUDGET:**

This project is identified in the 2011-2016 Capital Improvement Plan as project MR-42D and also included in the 2011 adopted budget.

<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	452.970000	Const. & Improvements	\$357,560	\$89,500	\$268,060

**RECOMMENDATION:**

It is recommended that City Council approve the contract with the Michigan Department of Transportation for the construction of two concrete noise abatement walls along the M-59 corridor and authorize the Mayor and Clerk to execute the contract 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>		

**Attachment(s): MDOT Cost Participation Agreement**

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