



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

**1000 Rochester Hills Dr.
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Legislative File No: 2010-0404

TO: Mayor and City Council Members
FROM: Paul M. Davis, Acting DPS Director
DATE: October 4, 2010
SUBJECT: Rouge District Sanitary Sewer Evaluation Study, City File #E10-022

REQUEST:

The City of Rochester Hills has received a grant through the Rouge River National Wet Weather Demonstration Project to perform a sanitary sewer evaluation study in the southwest portion of the City. The total project cost is \$225,000. The City is responsible for 60% of the approved cost (\$135,000) and Wayne County will provide \$90,000 from the grant. The Department of Public Services recommends accepting the terms of the attached grant with Wayne County and authorizes the Mayor to execute the agreement on behalf of the City.

REASON FOR PURCHASE:

The sanitary sewer system in the southwest corner of the City of Rochester Hills is located in the Rouge River sub-watershed. Basement flooding and sanitary sewer overflows (SSO's) have occurred in this area. With the assistance of this grant, the City will complete an inflow and infiltration (I&I) study in this area to determine the extent and magnitude and what impacts it may have on the sanitary sewer system and the environment. If the extent and magnitude is found to be severe, and potentially contributing to the sewer overflows, the study will provide a valuable tool for the planning, budgeting, prioritization and scheduling of the correction.

All work will be performed in-house by the Department of Public Services. The following items will be completed in order to finalize the study. Flow metering will be utilized during wet weather events in order to narrow down the areas that have potential for inflow and infiltration. Once the areas of concern have been identified, manhole inspections will commence to determine the location and severity of the inflow and infiltration. Along with the manhole inspections, video inspection will be used to identify structural defects such as offset joints, cracks, missing pipe sections, etc. Additionally, smoke testing will be used in areas which were identified through the manhole and video inspections as having inflow and/or infiltration sources other than those found in the previously identified tasks. Finally, a report will be prepared compiling the testing results and identifying and prioritizing proposed repairs/improvements to reduce inflow/infiltration including cost estimates for recommended improvements.

BUDGET:

The funds are budgeted in the Sanitary Sewer Division salary accounts for the 2010 and 2011 budget. Internal staff will be utilized to complete this sanitary sewer evaluation study.

The City will be reimbursed 40% (not-to-exceed \$90,000) through the Rouge River National Wet Weather Demonstration Project Grant.

Budget amendments will be forthcoming to recognize the grant revenue to the Sanitary Sewer Division.

RECOMMENDATION:

The Department of Public Services recommends accepting the terms of the attached Grant with Wayne County and authorizes the Mayor to execute the agreement on behalf of the City.

**Attachment: Rouge River National Wet Weather Demonstration Project Grant Agreement
(includes Rochester Hills proposal & location maps)**

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