



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

**1000 Rochester Hills Dr.
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Legislative File No: 2005-0380

TO: Mayor and City Council Members
FROM: Roger H. Rouse, DPS Director
DATE: August 1, 2007
SUBJECT: East Ferry Drain, John R Road Improvements, City File No. E05-004
Michelson Pump Station, City File No. E05-013

REQUEST:

The Department of Public Service recommends approval of the proposal between Hubbell, Roth & Clark, Inc. (HRC) and the City of Rochester Hills for additional engineering services for the John R Road Widening Project, the East Ferry Drain Improvements and the Michelson Pump Station Reconstruction Project in the amount of \$129,900.00 for a total amount not to exceed \$360,700.00.

REASON FOR PURCHASE:

Michelson Pump Station Reconstruction – HRC completed a study in March 2007 to evaluate rehabilitating the existing Michelson Pump Station as part of the John R Road Widening and East Ferry Drain Improvement Projects. As a result of their efforts, it was determined that relocation and upgrade of the facility is warranted and the project was approved by City Council on June 13, 2007. HRC proposes to provide design-engineering services to provide a new submersible type pumping station to replace the existing facility.

John R Road Reconstruction – As part of the preliminary plan review process, it was determined that a portion of John R between South Boulevard and Enfield would require full reconstruction in lieu of the proposed widening. This is necessary to provide proper drainage improvements and allow for new pathway construction along the west side of the roadway. At the time of this change, the plans were approximately 50% complete. The change required numerous plan sheets to be revised and additional design tasks to be done that were not anticipated with the original scope of work. Some of the design tasks included vertical alignment and/or detail grades, identification of grading limits and easements, and more in depth utility coordination.

Spencer Park Drainage Improvements – As part of the preliminary plan review process, it was determined that several additional improvements to accommodate drainage for Spencer Park were warranted in accordance with the City's Storm Water Pollution Prevention Initiative (SWPPI).

RCOC Permit – As part of the permit review process, the Road Commission for Oakland County (RCOC), a number of additional design considerations were required at the John R Road intersections with South Boulevard and Auburn Road. One of these changes included the addition of a right turn lane for westbound South Boulevard that was partially constructed as part of the commercial development at the northeast corner.

Resurfacing Log Job – It was determined that adding the proposed John R Road Resurfacing Project would offer an economy of scale to the adjacent property and thereby provide the City a cost savings. The project will

be prepared by City staff in a “log job” format and HRC will incorporate this work into the John R & East Ferry Drain Improvement construction contract.

Staging Plan – In order to properly coordinate the construction of the various new segments of this project, it is necessary to develop a detailed Staging Plan. The original scope of work included only widening along John R and the E Ferry Drain for which staging plans are relatively simple to produce. However, with the inclusion of the reconstruction work and hence the road closure, the staging plans became more complicated requiring additional work.

E. Ferry Drain End Treatment – The relocation of the Michelson Pump Station allows an end treatment system beyond the originally identified fore bay to be added to the E. Ferry Drain. HRC will meet with the Oakland County Drain Commissioner (OCDC) and the Michigan Department of Environmental quality (MDEQ) to determine and design a system that adequately addresses their concerns. This end treatment will also meet the goals identified in the City’s SWPPI.

ADA Requirements – Due to some recent increased scrutiny regarding the American Disability Act (ADA) and their requirements for pathways, RCOC and MDOT have changed their requirements when conducting work within their right-of-way (ROW). It is now required to upgrade adjacent pathways if intersection signalization will be improved to address pedestrian traffic. This required HRC to complete additional topographic survey work at each proposed ramp location and provide extremely detailed grade design plans for the ramps and walks adjacent to the ramps. In addition their sub consultant, Mansell Associates will be required to redesign all push buttons adjacent to the ramps.

Utility Coordination – Final design has indicated the need to relocate some existing utilities that are in conflict with the proposed improvements of the project. HRC anticipated some utility coordination in the original scope of work and already completed a utility coordination meeting. However due to the extent of project changes, the utility coordination task has increased in scope. Numerous additional meetings are warranted with each utility company. Also the additional proposed work results in more time to be taken investigating potential conflicts and resolution to those conflicts.

PROCESS:

Vendor Name and Address:

Hubbell, Roth & Clark, Inc.
2001 Centerpoint Parkway, Suite 109
Pontiac, MI 48341

Reason for Selection:

Hubbell, Roth & Clark, Inc. is one of four firms selected to provide engineering design services using a Quality Based selection process.

Method of Purchase:

Quality Based Selection

BUDGET:

In the 2007-second quarter budget amendment \$75,000.00 was approved for the additional preliminary engineering necessary to design the John R Widening Project identified in the CIP as MR-31. The 2007 budget included funds for ROW for the East Ferry Drain and John R pathway; however, additional funds were not included for design of the project. Funds for the Michelson Pump Station were included in the 2007-first

quarter budget amendments. Funds for Spencer Park parking lot were included in the 2007-second quarter budget amendments.

	Department Account No	Account No. Description	Budget Amount	Cost	Remaining Budget
Major Roads	452.970000	Construction MR-31	\$75,000.00	\$60,590.00	\$14,410.00
Drains	244.974000	Land Improvement SW-06	-0-	\$7,250.00	(\$7,250.00)
Pathway	403.974000	Land Improvement PW-31	-0-	\$6,820.80	(\$6,820.00)
Sewer	593.972000	Mains & Services SS-23B	\$350,000.00	\$52,026.00	\$297,974.00
Facilities	631.974000	Building Additions & Improvements PK-04A	\$10,000.00	\$3,213.20	\$6,786.80

RECOMMENDATION:

The Department of Public Service recommends that City Council approves the proposal between Hubbell, Roth & Clark, Inc. (HRC) and the City of Rochester Hills for additional engineering services for the John R Road Widening Project, the East Ferry Drain Improvements and the Michelson Pump Station Reconstruction Project in the amount of \$129,900.00 for a total amount not to exceed \$360,700.00.

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		