



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

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Legislative File No: 2007-0327

TO: Mayor and City Council Members
FROM: Roger H. Rousse, DPS Director; Ext. 2497
DATE: June 6, 2007
SUBJECT: Michelson Pump Station Improvements; City File No. E05-013

REQUEST:

City Council is asked to determine what amount of work is desired for the Michelson Pump Station site.

BACKGROUND:

As the design phase progressed on the John R Road improvement project between Auburn and South Boulevard, increased review of the existing Michelson pump station's close proximity to the proposed East Ferry Drain outlet was checked. A relocation and reconstruction of the Michelson pump station out of the 100-year flood plain impoundment and further away from the proposed storm sewer discharge pipe was suggested. The relocation and reconstruction of the pump station is an alternative to simply raising the station at its current location. The relocation can still occur within the same piece of City-owned property but additional engineering design and construction costs would be necessary.

The suggestion to relocate and reconstruct the existing sewage pump station versus raising it in the current location has been discussed at the May 24, 2006 City Council Work Session and at the September 20, 2006 Regular City Council Meeting. City staff agreed to ask its design consultant, Hubbell Roth & Clark (HRC), to provide additional information to determine the merits of relocating and reconstructing the existing Michelson pump station. The attached engineering study prepared by HRC and dated March 13, 2007 is attached for Council's review and consideration.

The HRC study states that it is apparent that the replacement of the Michelson Pump Station is cost effective and warranted and recommends a total project budget of \$301,000.00. The suggested total project budget includes estimated fees for engineering design, construction administration and a 10% construction contingency.

The alternative to relocating and reconstructing the existing pump station is to raise the top above the flood plain elevation at the current location. Staff previously estimated a cost of \$40,000.00 in the 2006 Capital Improvement Plan (CIP) that involved the installation of a circular access drive and to raise the grade at the existing station by approximately 4 feet. Since this cost estimate was initially prepared over two years ago, it is recommended that the cost be at least increased to \$45,000.00 to account for cost increases over the two years.

As previously proposed, City staff intends to incorporate the work for the Michelson Pump Station into the John R Road and East Ferry Drain Construction projects. Right-of-way and easements are currently being acquired by HRC. Once the right-of-way is secured, the entire project will be bid and brought forward to City Council

for approval to award the bid. Currently, staff is planning to structure the specification book for bidding the project to include the John R paving and pathway construction, the East Ferry storm water drain construction, older water main replacement, paving improvements at Spencer Park and the level of Michelson sanitary sewage pump station work.

BUDGET:

The 2006 Adopted Budget included CIP Project SS-23, Michelson Pump Station Rehabilitation Construction, in the amount of \$40,000 to raise the existing pump station top above the flood plain elevation. As the John R Road project progressed in the design phase, an alternate of reconstructing and relocating the existing pump station onto higher ground on the same parcel was considered. The Michelson Pump Station estimated project costs were included in the 2007 1st Quarter Budget Amendments.

Fund Name	Department Account No	Account No. Description	Budget Amount	Cost	Remaining Budget
Sewer – Capital Replacement	593.972.000	Equipment – Mains & Services	\$350,000*	\$301,000	\$49,000

*Will be included in the Construction Contract for John R Paving and East Ferry Drain.

RECOMMENDATION:

The Department of Public Service recommends that City Council support the relocation and reconstruction of the Michelson Pump Station as part of the larger project to construct the East Ferry Drain and John R Road improvements for a total project budget of \$301,000.00.

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		