



City of Rochester Hills
AGENDA SUMMARY
FINANCIAL ITEMS

1000 Rochester Hills Dr.
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www.rochesterhills.org

Legislative File No: 2020-0439

TO: Mayor and City Council Members
FROM: Allan E. Schneck P.E., DPS Director
DATE: November 4, 2020
SUBJECT: Avon Nature Area, Clinton River Bank Stabilization

REQUEST:

The City of Rochester Hills through the Michigan Department of Environment, Great Lakes and Energy (EGLE) has been invited to submit a full grant proposal for a 2021 Grant Program for the Clinton River Bank stabilization project within the Avon Nature Area for water quality enhancements and river restoration. The Department of Public Services recommends City Council accept the award of this grant in the amount of \$150,000.00 for the Avon Nature Area, Clinton River Bank Stabilization project.

REASON FOR PURCHASE:

The Clinton River traverses through the middle of our community along several areas of glacial and defined glacial outwash along a gradient change of 160'. With the urbanization of the Clinton River watershed, impacts from stormwater and increases in amount and intensity of flows in the Clinton River, has resulted in severe flashiness that the stream bank cannot continually adapt to. While the City of Rochester Hills has continued to manage and restore multiple riparian areas to stable stream banks, preserve floodplain, reduce runoff and promote a green corridor, there are still multiple severe erosion points throughout our community.

This proposal looks to remediate the erosion, reestablish bankfull elevations, control the head cutting and provide positive recreational opportunity to one of these sections along the Clinton River. Two recent road bridge improvements downstream of the project location expressed the need to control head cutting and erosion. Due to the gravel substrate and the 100 foot of elevation drop along the length of the river across our community, this is becoming a more common occurrence. Using stream restoration techniques, such as rock veins to divert energy from the banks and to act as grade control, will provide a stopping point for the head cut, ultimately reducing bed and bank erosion. Additionally, this project will provide improved passage for aquatic organisms as well as recreational users and support the Clinton River Watershed Strategic Implementation Plan.

PROCESS:

Vendor Name and Address:

Michigan Department of Environment, Great Lakes and Energy (EGLE)

Reason for Selection:

Grant award to the City of Rochester Hills

Method of Purchase:

Grant funding

BUDGET:

The total costs for this project are expected to be \$200,000 with \$150,000 coming from the EGLE grant, \$35,000 in funding from the City of Rochester Hills, \$11,500 of in kind work from the City of Rochester Hills, and \$3,500 sourced from volunteer/monitoring work from the Clinton River Watershed Council.

This project is not currently included in the FY 2021 Adopted Budget or the FY 2022-23 Projected Budgets, but is included in the Capital Improvement Plan as SW-07C / Clinton River: Natural Channel Restoration.

If approved by City Council, a 1st Quarter 2021 Budget Amendment shall be prepared to increase the capital project expense budget for this project by \$185,000 with offsetting revenue from the EGLE Grant of \$150,000 causing a net impact on Water Resources Fund Balance of (\$35,000). In kind work from the City of Rochester Hills is already incorporated into the FY 2021 Water Resources personnel budget.

Fund Name	Department Account No	Account No. Description	Budget Amount	Cost	Remaining Budget
Water Resources Fund	244.546009	Revenue: State Grant	\$0	+\$150,000	+\$150,000
Water Resources Fund	244.974000	Land Improvement	\$0	\$185,000	(\$185,000)
		Grant Total Net		(\$35,000)	(\$35,000)

RECOMMENDATION:

If awarded, the Department of Public Services recommends that City Council accept the grant to the City of Rochester Hills for construction of the Avon Nature Area Clinton River Bank Stabilization project in the amount of \$150,000.00.

APPROVALS:	SIGNATURE	DATE
Department Review		
Department Director		
Budget Content: Chief Financial Officer		
Purchasing Process: Supervisor of Procurement		
Mayor		
Deputy Clerk		

Contract Reviewed by City Attorney Yes N/A