



CITY OF NOVI CITY COUNCIL
MARCH 18, 2024

SUBJECT: Approval to award engineering design services to OHM Advisors for the assessment of operational improvements at the Island Lake Booster Station, in the amount of \$35,250.00.

SUBMITTING DEPARTMENT: Department of Public Works, Water & Sewer Division

EXPENDITURE REQUIRED	\$ 35,250.00
AMOUNT BUDGETED	\$ 38,775.00
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	592-536.00-816.066

BACKGROUND INFORMATION:

The last few Water System Master Plan updates have identified an expansion of the Island Lake Pressure District, one of four system pressure districts, to help with pressures and flows in the southwestern area of the city. A recent preliminary assessment of the operational changes associated with the Island Lake Booster Station (ILBS) confirmed the potential to accomplish significant improvements in flow and pressure. This upgrade to the ILBS would also allow for expansion of the district into the Grand River/Wixom Road area to address another area of concern. A detailed analysis of the ILBS will be completed and following a hydraulic evaluation of the system based on projected demands, the design criteria will be developed for the anticipated upgrades to the pumps and associated equipment. Once the analysis is completed, a project will be proposed to upgrade the ILBS accordingly which will likely also include improvements to the previously evaluated West Park Booster Station. Once the ILBS improvements are determined, and the capability of the station upgrades is understood, staff will initiate the design to expand the Island Lake Pressure district.

The attached design engineering services proposal outlines the detailed scope of services for the Island Lake Booster Station analysis.

RECOMMENDED ACTION: Approval to award engineering design services to OHM Advisors for the assessment of operational improvements at the Island Lake Booster Station, in the amount of \$35,250.00.