

EXECUTIVE BRIEF REGULAR MEETING

AGENDA DATE: May 4, 2021

DEPARTMENT: Water Utilities

TITLE:

Work Order No. 5 with Globaltech, Inc. for Design-Build services for Water Treatment Plant Flash Mixer Improvements

SUMMARY:

This Work Order No. 5 authorizes Globaltech to provide Design-Build services for the Water Treatment Plant Flash Mixer Improvements project in the amount of \$563,912.58.

BACKGROUND AND JUSTIFICATION:

This project includes various design and construction improvements to the Water Treatment Plant Flash Mixer basin and other treatment components of the water system. The Flash Mixer basin was built in the 1950s to mix lime, coagulant and chlorine to the raw water and is in dire need of structural repair. If one of the walls collapses it will put the whole lime softening portion of the water plant out of service, which would be hugely detrimental as this plant provides 60% of the water to the City. Currently there is no redundancy so the mixer can only be taken out of service for limited periods of time. This project will add a bypass piping line so that necessary repairs can be made to the Flash Mixer. This project also includes adding a sump pump to the flowmeter vault on the western raw watermain that is upstream of the Flash Mixer, as well as a new transmitter on this flowmeter so that this line can be put in service and the flowmeter operate as required to determine appropriate chemical dosing in the Flash Mixer. Another component of this project includes installation of a control valve on the degasified membrane permeate pipeline to prevent siphoning and maintain controlled flow for chemical dosing and tracking.

Work Order No. 5 authorizes Globaltech to complete design, permitting and construction services for the Water Treatment Plant Flash Mixer Improvements project as part of the RFQ 17-304 Design-Build Contract.

MOTION:

Move to approve/disapprove Work Order No. 5 with Globaltech, Inc. for Design-Build services for Water Treatment Plant Flash Mixer Improvements in the amount of \$563,912.58.

ATTACHMENT(S):

Fiscal Impact Analysis
Work Order No. 5

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$563,912.58	0	0	0	0
Operating Expenditures	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income	0	0	0	0	0
In-kind Match	0	0	0	0	0
Net Fiscal Impact	\$563,912.58	0	0	0	0
No. of Addn'l Full-Time Employee Positions	0	0	0	0	0

B. Recommended Sources of Funds/Summary of Fiscal Impact:

Account Number	Account Description	Project Number	FY21 Budget	Current Balance	Agenda Expenditure	Balance
422-7022-533.63-00	Water Treatment Capital	WT2103	\$563,912.58	\$0	\$563,912.58	\$0