INTER-OFFICE MEMORANDUM

TO: Mayor & City Council
DATE: January 11, 2022
FROM: Melinda Olinger, P.W. Administrative Manager
RE: Marion County ARPA Grant Application

As Council authorized, Public Works submitted a grant application to Marion County for a portion of the County designated ARPA funds on December 9, 2021. The grant request was in the amount of $3,631,000 and if awarded, would provide funding for several key water infrastructure improvements, as described below.

Although no city match was required for this grant program, based on my recent conversations with Marion County, the Marion County Commissioners and grant application review board questioned whether any City funds would be used for this proposed project. To strengthen this application, **Public Works requests Council approve and authorize up to $500,000 of the City's designated ARPA funds be appropriated to this project.**

If Council approves this request, $292,504 City designated ARPA funds would remain available for additional projects and expenditures as Council has previously discussed.

Public Works' Marion County ARPA grant application proposed project is broken down into five components, as described below. All components were pulled directly from the City's recently adopted Water Master Plan capital improvement list. All project components can be completed within the mandatory project deadlines for using ARPA funds.

Component 1: WMP CIP M-2 "G" Street Water Main Construction from 3rd/4th Street Alley to 4th/5th Street Alley.

This component will install an 8-inch water main to tie the water mains running through the 3rd/4th street alley and the 4th/5th street alley together along G Street. There is no water main tying these two watermains at this location. Constructing this watermain will increase system interconnectivity and resilience, emergency preparedness and response, and stabilize water pressure in the area.

Estimated Cost: $76,000
Estimated Project Completion Dates: April 2022-December 2022

<u>Component 2</u>: WMP CIP M-3 "G" Street Water Main Construction from 5th Street to 7th Street

This component will replace an existing 4-inch water main on G Street that connects the 5th Street water main and the 7th Street water main with an 8-inch water main. Currently, the fire hydrants at the intersection of G Street and 7th Street do not have adequate pressure available in the event of a fire. Increasing the size of this water main will allow the fire hydrant to provide water at a flow rate which complies with local fire code requirements, while preserving pressure in the system, improving public health and safety.

Estimated Cost: $152,000
Estimated Project Dates: April 2022 through December 2022

<u>Component 3</u>: WMP CIP M-4 5th Street Water Main Construction from Allan Avenue to Kari Lane

The existing 5th Street water main between Allan Avenue and Kari Lane is a 2-inch water main and serves a fire hydrant at the entrance to Barendse Park. Due to the small size of this water main, the fire hydrant would not be able to supply water at a rate which complies with local fire code requirements. This component of the project will replace the existing water main with an 8-inch water main capable of supplying flows to the fire hydrant while maintaining adequate pressure, improving public safety, system resiliency, and the ability to respond to emergencies.

Estimated Cost: $223,000
Estimated Project Dates: April 2022 through December 2022

<u>Component 4</u>: WMP CIP FH Fire Hydrants Upgrade

The water master plan identified that many of the fire hydrants throughout the City "are either in poor condition or are an older style of 2-port hydrant that is not compatible with existing firefighting apparatus." This component of the project will replace the older fire hydrants with new, modern fire hydrants that are compatible with current firefighting apparatus, thus improving public safety and emergency preparedness throughout the City.

Estimated Cost: $415,000
Estimated Project Dates: April 2022 through December 2022

<u>Component 5</u>: WMP CIP NOs. T-1, P-1 and O-1 Water System Improvements

The water distribution system is currently pressurized using an elevated tank that was constructed in 1931. Due to this method of system pressurization, the system pressure is quite low and is limiting development, growth, and public safety. The City plans to increase system pressure by installing a bank of pressure boosting pumps at the Water Treatment Plant. The pumping system will be designed to have adequate capacity in accordance with local fire code requirements.

An additional green sand filter will be installed at the Water Treatment Plant. The green sand filter is a critical component in the treatment process used to remove arsenic, iron, and manganese from the source water.

The City's antiquated SCADA system will be updated which will increase efficiency and operational control of the facility.

In addition, a larger-capacity emergency generator will be installed to ensure that all new and existing critical system components can be powered in the event of a power outage similar to the one experienced during the February 2021 ice storm.

The combination of these improvements will ensure adequate, high quality, potable water is available for the continued growth and economic development of the county and community.

Estimated Cost: $2,765,000
Estimated Project Dates: April 2022 through June 2024