



MEMORANDUM

To: Mayor and City Council

From: Ken Griffin, P.E., Director of Engineering and Public Works

Date: May 9, 2017

Reference: Contract with Fuquay, Inc. for Manhole Rehabilitation

2030: Excellent and Well-maintained City Infrastructure and Facilities

General Information:

- Total contract amount is \$200,000.00, as provided in the Water/Sewer fund balance.
- This work will be contracted through a Buy Board Cooperative Purchasing Program.
- These manholes were identified in our Inflow and Infiltration study completed by the RJN Group.
- This contract will repair approximately 30-50 manholes of the 75 identified in the study.

Introduction:

This agenda item is being presented to consider approval to award a contract to Fuquay Inc. to perform manhole rehabilitation, in the amount of \$200,000.00, through a Buy Board Cooperative Purchasing Program; and authorizing the City Manager to sign any necessary documents. Buy Board is a Local Government Purchasing Cooperative created in accordance with Section 791.001 of the Texas Government Code. Its purpose is to obtain the benefits and efficiencies that can accrue to members of a cooperative, to comply with state bidding requirements, and to identify qualified vendors of commodities, goods, and services.

Analysis:

The City of Coppel hired the RJN Group to complete a study to determine where we have possible failures in our sanitary sewer system. This study consisted of installing meters throughout the system to determine the locations of abnormally high flows during rain events (Phase I). Once that data was collected it was then determined that there were two basins that were the main contributors to the high flow. These basins are located on the north end of town adjacent to both Cottonwood Branch Creek and Denton Creek. These two basins were then inspected utilizing field inspection and Closed Circuit Television. Approximately 22,000 feet of pipe and 75 manholes were inspected (Phase II). Of the 75 manholes inspected, about half need minor fixes/repairs such as replacing bolts, rim seals, frame seals and cover the pick holes. The other half need more attention, such as: complete lining of

the inside walls; pipe sealing; and partial replacement. In addition to the 75 manholes, the Utility Division has identified 23 additional manholes that need attention, three of them immediately. Those three are the initial three for this project and they are located at 780 South MacArthur near Belt Line.

The manhole rehabilitation work begins Phase III of the overall Inflow and Infiltration program. This work will consist of repairing manholes with new grout, manhole lids, manhole rings and a sprayed-on liner on the inside of the manhole to seal it. This work will reduce the amount of inflow and infiltration into our wastewater system and extend the life of the manholes. At a future Council meeting, we will seek approval of a contract to begin repairs to some of the sewer mains in these areas.

Legal Review:

The Purchasing Department has reviewed the documents and determined that this is an appropriate method of contracting with this firm.

Fiscal Impact:

The fiscal impact of this Agenda item is \$200,000.00, and available in the manhole rehabilitation 3220 account in Fund Balance.

Recommendation:

The Engineering Department recommends approval of this contract with Fuquay Inc.