

Office of Neighborhood Services

City of Richland Hills, Texas

Memorandum

To: Honorable Mayor Bill Agan and members of the Richland Hills City Council
From: Scott Mitchell, Director of Neighborhood Services
Date: May 5, 2015
Subject: Sewer Repair / Replacement Project

Council Action Requested:

Discuss ongoing sewer main failures and consider approval of sewer main repair/replacement in the 3200 block of Kingsbury Avenue.

Background Information:

Over the last several months there have been multiple sewer main failures in different parts of the city. Recently the city has had to do unplanned sewer main replacement in the in the 3600 block of Ruth Road as well as 3100 block of Dogwood. These repairs were in addition to the planned replacement of 1645 feet of sewer main through the CDBG Grant Program (40th Year) on Maple Park and Elm Park. Public Works is currently performing a spot repair to maintain temporary service due to a collapse of the sewer main in the 3200 block of Kingsbury Avenue.

As previously reported, these sewer lines were originally installed utilizing clay pipe. This pipe has an expected life span of 50 years and was the material of choice at the time the lines were installed. Most of the lines are now greater than 60 years old. Failures occur from ground movement and vibration, root penetration, impacts of cleaning and jetting over the years, as well as natural degradation caused by normal wear and tear. As part of the ongoing water/wastewater system study the city has commissioned, a full documentation of projected needs will be included and presented to the Council upon completion of the study.

Wastewater personnel were able to camera only a partial length of the Kingsbury line due to pipe collapse. Temporary spot repairs have been made in an attempt to maintain at least partial sewer flow.

This request is to replace approximately 900 feet of six inch clay pipe with eight inch PVC utilizing the pipe-burst method. This will replace the existing line with 100 year life span pipe requiring minimal excavation required, resulting in less damage to surrounding property and the street.

The project is awaiting a formal quote through the TIPS cooperative purchasing program with the service provided by No-Dig Tec, Inc. They have recently completed the project on Ruth. Using the available formula, the cost of this project should not exceed \$54,000.00.

Funding for the project will be with funds from the Enterprise Capital Projects Fund (088). These funds are dedicated for water and wastewater capital projects.

Board/Citizen Input: N/A

Financial Impact: \$54,000.00

Staff Contacts:

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Attachments: N/A