



MEMORANDUM

To: Mayor and City Council

From: Jamie Brierton, Capital Programs Administrator
Kent Collins, P.E., Director of Public Works

Date: November 9, 2021

Reference: Pavement Leveling (Mudjacking) Annual Contract

2040: Pillar 0: Sustainable City Government
Goal 3: Well-maintained City Infrastructure

General Information:

- This request is a renewal of the annual contract for concrete lifting & stabilization with Nortex Concrete Lifting & Stabilization, Inc.
- The City has utilized this program for street repairs/mudjacking successfully in the past to eliminate areas of ponding water and uneven pavement due to pavement settling
- Methods such as leveling for preventive maintenance are cost effective for extending the life of the pavement
- The budgeted amount for FY 2021/22 is \$120,000.00

Introduction:

This agenda item is being presented for approval to utilize the City of Grand Prairie contract with Nortex Concrete Lifting and Stabilization, Inc., as authorized by the Texas Local Government Code, Section 271.102, to perform the annual street repair/mud jacking program in the amount of \$120,000.00, as budgeted in the Infrastructure Maintenance Fund (IMF), and authorizing the City Manager to sign any necessary documents.

Analysis:

To provide well-maintained City infrastructure, concrete sidewalks, streets and alleys require pavement lifting and leveling. When water ponds in the gutter line, but the street is still in good shape, concrete slab lifting will be employed to allow positive drainage and to improve the ride of the pavement. This is considered preventative maintenance and will extend the life of the street. This

method has also been successfully used on sidewalks throughout the City to lift and level concrete panels and alleviate trip hazards and ponding water.

In addition to lifting and leveling to solve minor drainage issues, this same technique and product can be used to level slabs on multi-lane roadways when slabs are uneven. Belt Line Road south of Southwestern is a good example where differential settling occurred over time due to subgrade degradation and steel reinforcement deterioration caused by water infiltration and excessive loading.

Nortex provides these services using a polyurethane foam injection method commonly referred to as “Uretek” injection. The City has been using the Uretek method for leveling streets and alleys for over 15 years in the form of annual maintenance contracts.

This contract has a unit price of \$3.55 per lb. of foam (a reduction \$0.38 from last year), with a total not-to-exceed contract amount of \$120,000.00. The work will be performed under the terms of the agreement with Grand Prairie (attached).

Legal Review:

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

Fiscal Impact:

The fiscal impact of this agenda item is \$120,000.00, as budgeted in IMF.

Recommendation:

The Public Works Department recommends approval of this contract.