



MEMORANDUM

To: Mayor and City Council

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

Date: November 10, 2020

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
- The City has utilized this program for street repairs/mud jacking 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

Introduction:

This agenda item is being presented for approval to utilize the City of Grand Prairie's 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.

Analysis:

To provide well-maintained City infrastructure, concrete streets and alleys require some lifting and leveling occasionally. 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. This is considered preventative maintenance and will extend the life of the street.

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 occurs when the subgrade has voids created by water infiltration and reinforcing between joints has deteriorated.

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 \$3.93 per lb. of foam, with a total contract amount of \$100,000.00.

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 \$100,000.00, as budgeted in IMF.

Recommendation:

The Public Works Department recommends approval of this contract.