



MEMORANDUM

To: Mayor and City Council

From: Kent Collins, P.E., Director of Public Works

Date: November 13, 2018

Reference: Pavement Leveling Annual Contract

2030: Sustainable City Government, Goal 3
Excellent and Well-maintained City Infrastructure and Facilities

General Information:

- This request is a renewal of the annual contract for concrete lifting & stabilization
- The City has utilized this program for street repairs/mudjacking successfully in the past to eliminate areas of ponding water due to paving settling
- Methods for preventive maintenance are much more cost effective in 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 our yearly street repair/mud jacking program.

Analysis:

To provide well-maintained City infrastructure, our 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.

Recommendation:

The Public Works Department recommends approval of this contract with Nortex Concrete Lifting & Stabilization, Inc.