



# STAFF REPORT

**MEETING DATE:** April 9, 2024

**TITLE:**

Consider action to approve Resolution No. R-2024-41 and act on a proposal from Terra Pave International, a University of Texas Technology Commercialized Company for \$55,780 as a sole source provider for a fog seal street sealant known as Terra Pave.

**AGENDA ITEM SUBMITTED BY:**

Submitted by: Sylvia Carrillo-Trevino, ICMA-CM, CPM, City Manager

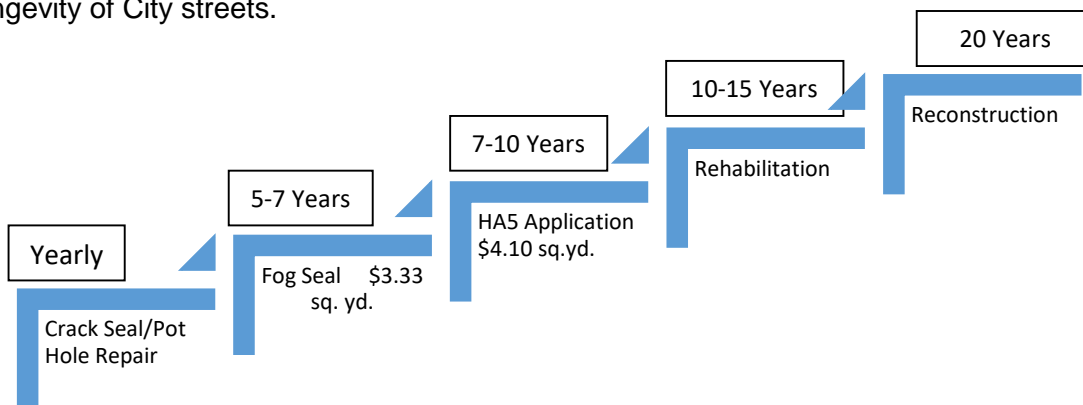
**BACKGROUND/HISTORY:**

Per TXDOT Seal Coat and Surface Treatment Manual: “A fog seal is a light application of asphalt, usually emulsion, applied to retain aggregate. It is sometimes used over an asphalt concrete surface or a new seal coat, particularly if a porous aggregate has been used as the cover aggregate....Common preventive maintenance treatments are seal coats, micro surfacing, fog seals, crack seal-ing, joint sealing, thin overlays and others. Prevention means longer pavement life, better pavement performance, improved pavement condition and increased safety”

Terra Pave is a type of fog sealant created by Dr. Yetkin Yildirim, Ph.D., PE that is water based, applied with a water truck, and is a drivable surface within a few hours of application. The product has been applied on Slaughter Lane in Austin and has held up for over five years.

Its attractiveness is the ease of application (a water truck) and a rapid curing time allowing for a much-shortened traffic diversion program.

The product is intended to be put into an overall street maintenance program to increase the longevity of City streets.



The targeted neighborhood is Piney Creek Bend due to its position in the street pavement condition index. It is in a “green” zone, meaning a relatively new streets, out of developer warranty period, but also not quite ready for crack sealing or an HA5 treatment. The proof of concept would potentially allow the need for an HA5 treatment to be delayed by 5-7 years.

The proposed amount of \$55,780 is for the entire Piney Creek Bend Subdivision totaling approximately 1.3 miles of road.

**FISCAL IMPACT:**

\$55,780

**RECOMMENDATION:**

Approve the agreement with Terra Pave.

**ATTACHMENTS:**

1. TXDOT Seal Coat and Surface Treatment Manual – [Online PDF Link](#)
2. Terra Pave Information
3. Invoice