

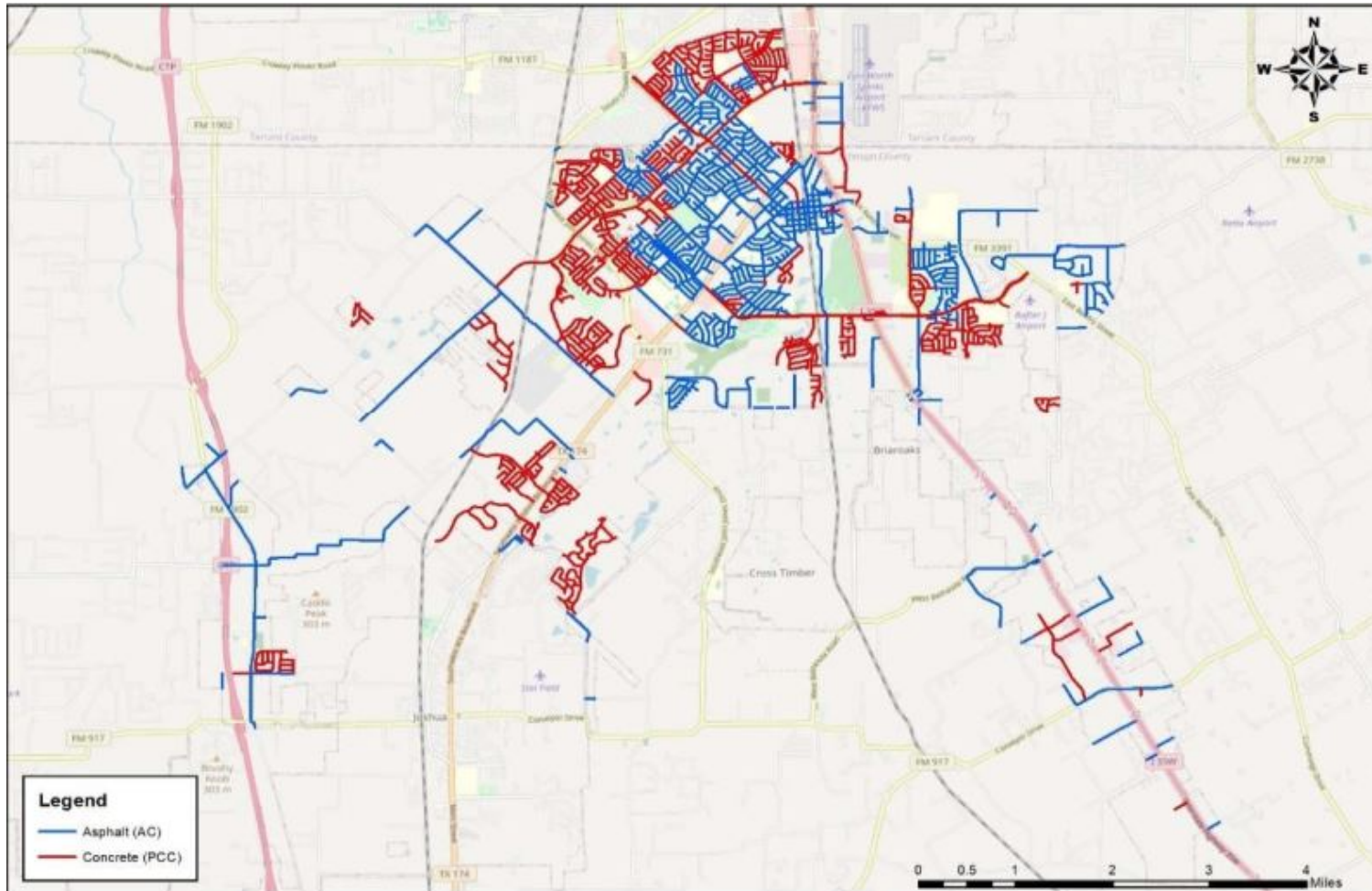


ANNUAL ASPHALT PAVEMENT REJUVENATOR CONTRACT



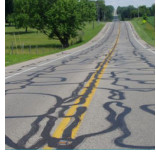
ERIC OSCARSON, DIRECTOR OF PUBLIC WORKS

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- 215 paved miles
 - ~111 miles asphalt (blue)
 - ~104 miles concrete (red)
- Typical street service life
 - Asphalt 30 - 40 years
 - Concrete 40 -50 years
- Consistent and timely preventive maintenance is critical

MAINTENANCE & REPAIR METHODS



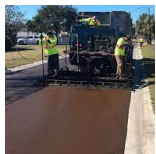
CRACK SEALING (\$)

Most common method used to reduce water reaching sub-grade on certain types of cracking on either asphalt or concrete pavement



FULL DEPTH RECLAMATION (\$\$\$\$\$)

Most expensive and used exclusively on failed and severely distressed asphalt or concrete pavement



MICRO SURFACE (\$\$)

Similar to painting with small crushed stone for improved traction on asphalt streets - seals but does not penetrate



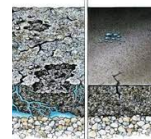
MILL AND OVERLAY(\$\$\$\$\$)

Multi-step and heavy equipment-intense method typically used on asphalt streets when distresses can not be resolved and surfaces must be removed



OVERLAY ASPHALT ONLY (\$\$\$\$)

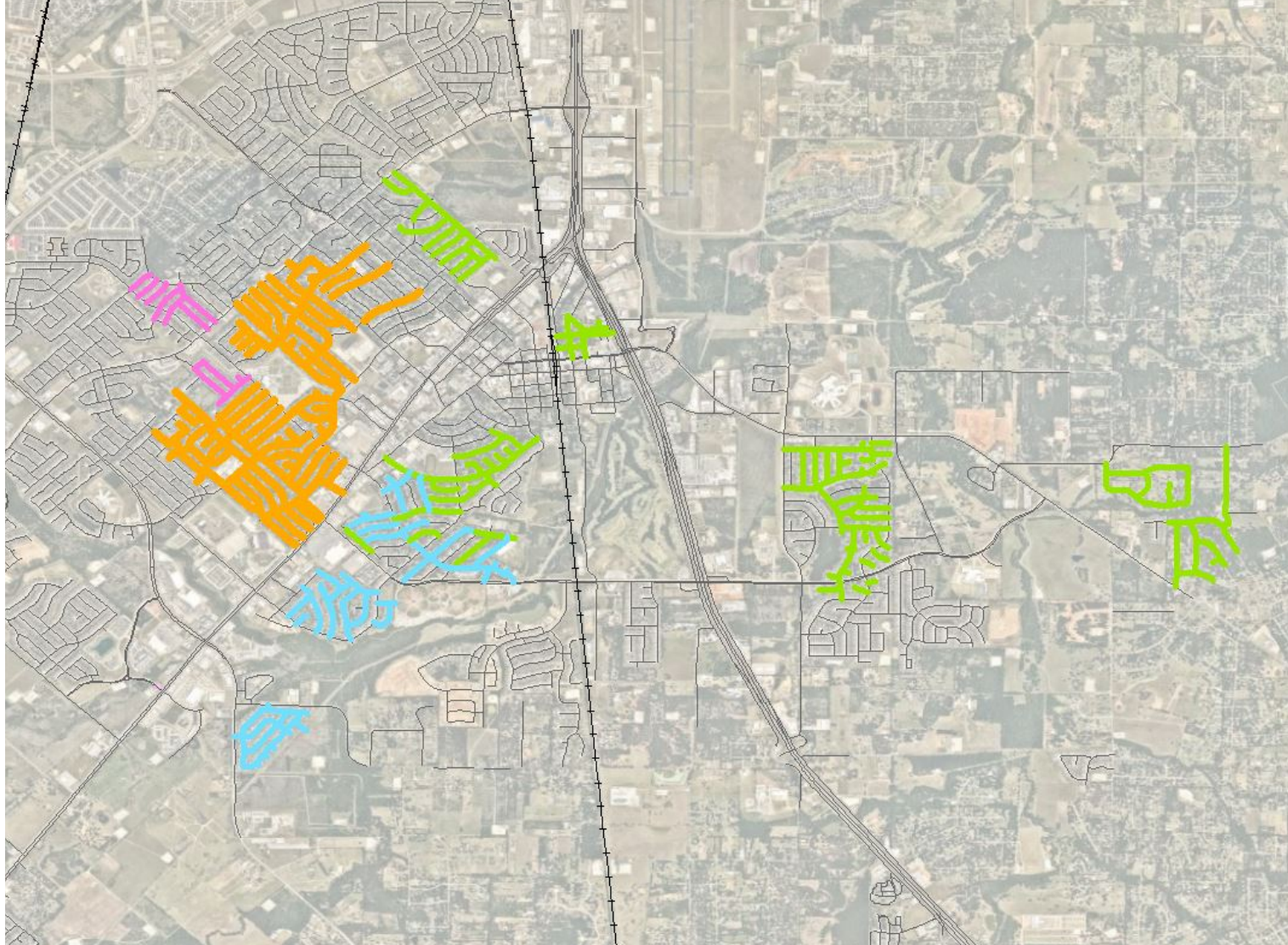
Thin asphalt placed on asphalt pavement with good sub-grade



REJUVENATOR (\$\$)

Effective method that cleans, penetrates, and seals asphalt pavement surfaces to extend life 4 to 6 Years

BACKGROUND



111 miles of asphalt streets

- Pavement Condition Index (PCI) ratings range from 17 to 100 on 100 point scale
- Average PCI is 75

Asphalt streets with PCI between 60 to 90 may be candidates for the Rejuvenator treatment:

- Restores flexibility
- Stops raveling
- Stripping of aggregate
- Limits surface cracking

Rejuvenator treatment has been used over the past decade in Burleson to effectively extend service lives of 22 miles of asphalt streets

This action proposes a contract to treat an additional 17 miles (candidates in Orange)

Staff is working to identify the best / final street selection from the candidate list by Mid-September

REJUVENATOR TREATMENT OVERVIEW



NOTIFICATION

Social Media, Door
Hanger & Website



CLEANING



APPLICATION



SAND

Protect Treatment
Provide Traction



SWEEPING

Within 48 hours



COMPLETION TIME LINE

Total Project
Estimated 3 weeks

PROCUREMENT



REJUVENATOR PURCHASING

This is a sole source provider contract for materials and application. While other products claim rejuvenation, staff has not found a product that achieves equivalent pavement surface penetration and subsequent maltene replacement. Tricor Refining, LLC, maker of the proprietary product, has established Pavement Restoration Inc. as the sole source applicator in the State of Texas.

ACTION REQUESTED

BLUERIDGE DR. ON AUGUST 2022

TREATED WITH REJUVENATOR IN 2016



APPROVE CONTRACT

Approve a contract for the application of Pavement Rejuvenator by Pavement Restoration Inc. in an amount not to exceed \$300,000.00.



DENY CONTRACT

Deny a contract for the application of Pavement Rejuvenator by Pavement Restoration Inc. in an amount not to exceed \$300,000.00.