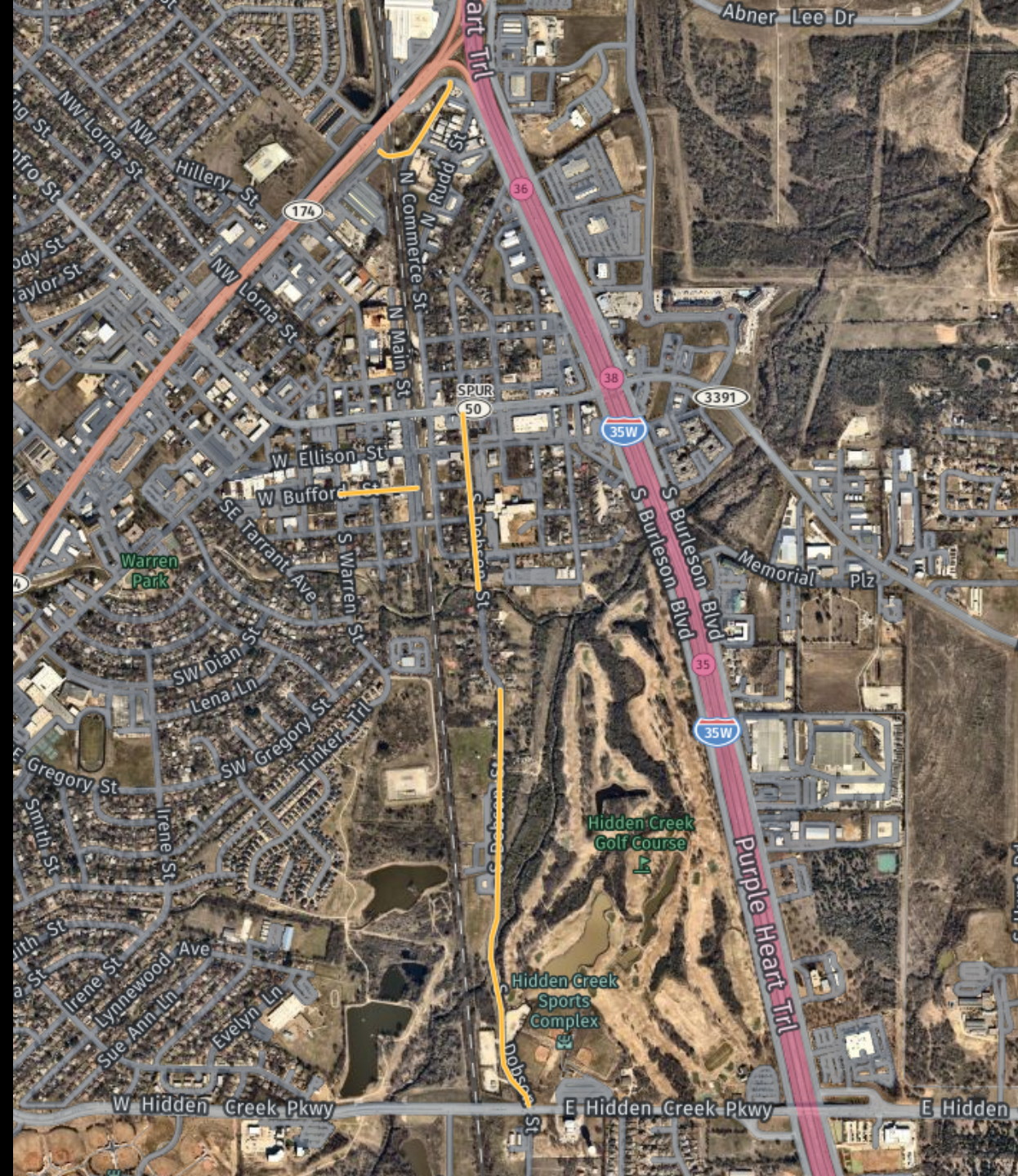


BUFFORD ST. / COMMERCE ST. / DOBSON ST.

# NEIGHBORHOOD STREET RECONSTRUCTION

Construction Contract  
May 15, 2023

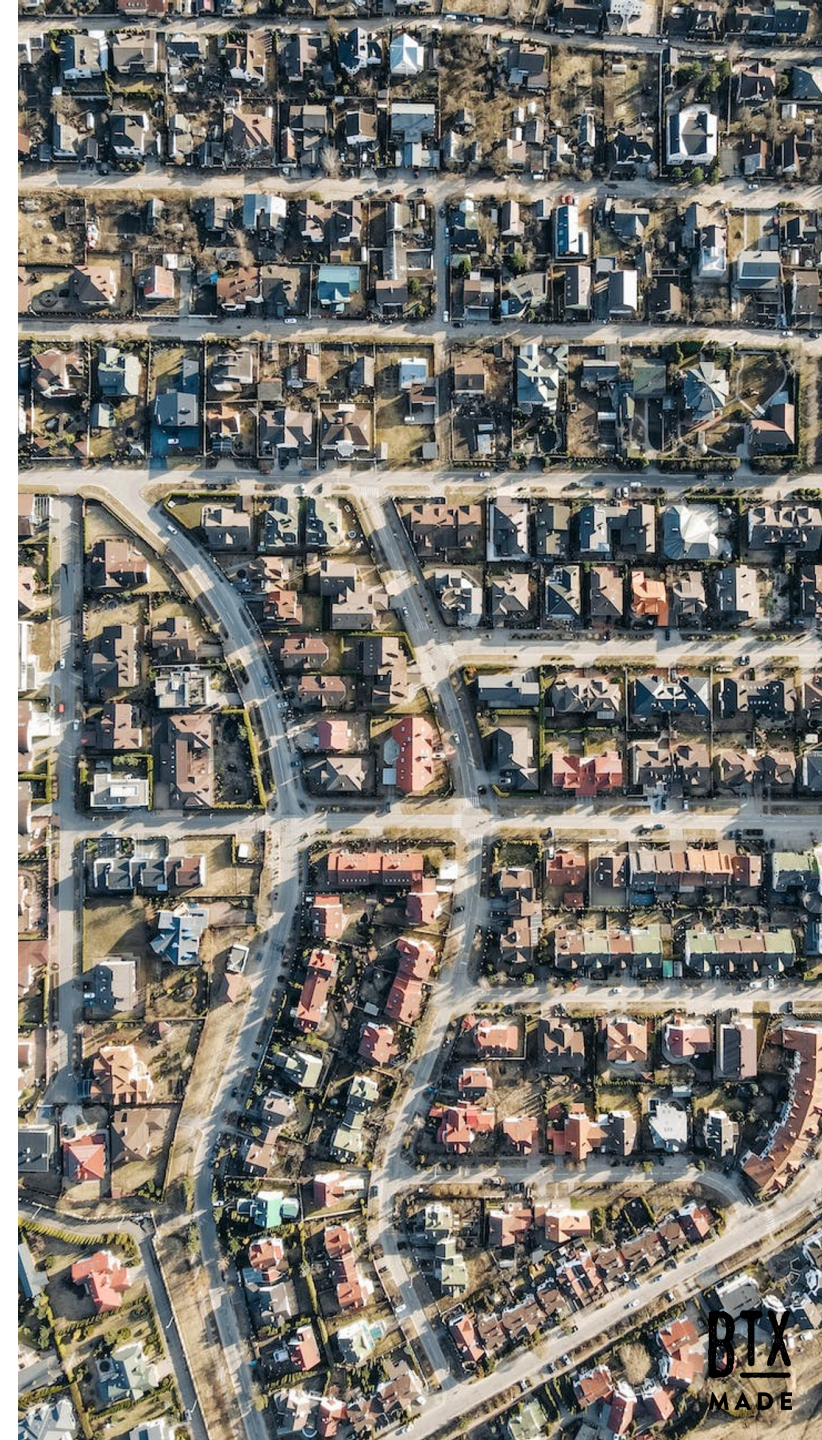




# NEIGHBORHOOD STREET REBUILD PROGRAM

- **ESTABLISHED IN THE 2022 G.O. BOND PROGRAM TO ADDRESS SIGNIFICANTLY DISTRESSED LOCAL STREETS**
- **\$3,175,833 FOR FY22-FY26**
  - FY22 - \$100,000
  - FY23 - \$825,833
  - FY24 - \$750,000
  - FY25 - \$750,000
  - FY26 - \$750,000
- **\$100,000 OF FUNDING IN EACH OF YEARS FY23, FY24, & FY25 IS INTENDED TO DESIGN SEGMENTS PLANNED TO BE CONSTRUCTED THE FOLLOWING YEAR**

Staff constantly reviews funding sources available to deliver projects. When possible, multiple sources are combined to stretch available funding, create economies of scale with larger contracts, and address additional needs in close proximity.





# CURRENT PROJECT ELEMENTS

ASPHALT PAVING

SUBGRADE STABILIZATION AND  
RECONSTRUCTION

FOG SEALING

ASSOCIATED PAVEMENT MARKINGS



# ASPHALT STREETS

Most older neighborhood streets in Burleson are asphalt and comprised of multiple layers of material depending on design standards at the time the street was constructed.

## **SURFACE COURSE**

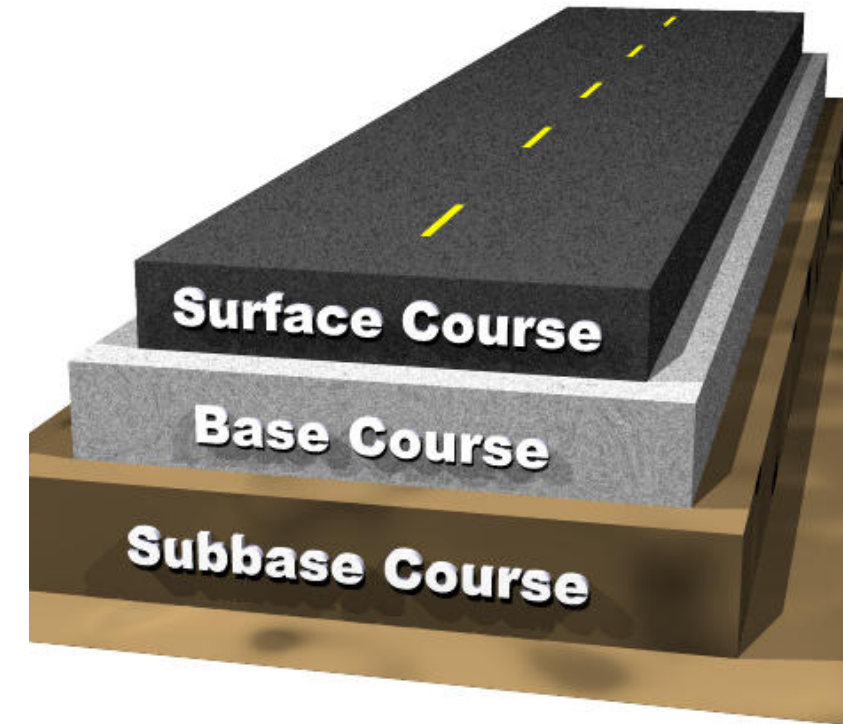
- Provides skid resistance, friction, smoothness, noise control, rut resistance and drainage
- Prevents infiltration of surface water into the underlying base, subbase and subgrade

## **BASE COURSE**

- Provides additional load distribution
- Contributes to drainage
- Sits atop native soil (“subgrade”) when a subbase layer is not provided

## **SUBBASE COURSE (OPTIONAL DEPENDING ON DESIGN)**

- Provides structural support
- Sits atop native soil (“subgrade”)
- Constructed with crushed aggregate or engineered fill material



Depending on their characteristics, native soils can be enhanced by cement or lime stabilization or adding geosynthetic materials



# SUBGRADE STABILIZATION

- ★ **LIME STABILIZATION** INTRODUCES POZZOLANS TO STRENGTHEN AND STABILIZE CLAY SOILS
- ★ **CEMENT STABILIZATION** ADDS CEMENT AND WATER GIVING THE SOIL MORE STRENGTH ONCE CURED
- ★ **GEOSYNTHETICS** PROVIDE ADDITIONAL STRENGTH





# FOG SEALING

A fog seal is a low-cost, light application of an asphalt emulsion to the surface of an aged pavement used to restore flexibility and postpone the need for resurfacing.

- ★ **EFFECTIVE TREATMENT FOR EXTENDING USEFUL LIFE OF PARKING LOTS, PARKING SPACES, AND LOW VOLUME ROADS**
- ★ **APPROXIMATELY FOUR - SIX HOUR CURE TIME AFTER APPLICATION**





# W. BUFFORD ST

S. Warren to S. Main

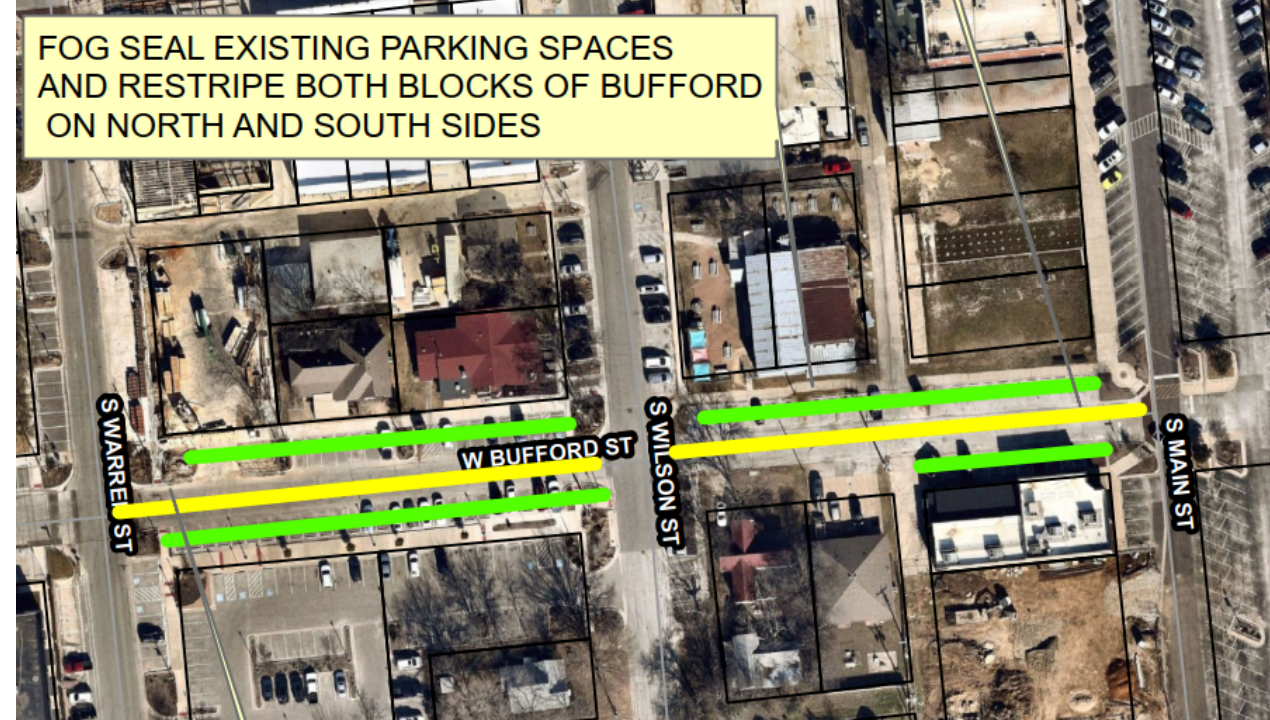
(S. Wilson to S. Main is G.O. Bond-funded)

- **RECONSTRUCT TRAVEL LANES (YELLOW LINES)**
- **FOG SEAL AND RE-STRIPE ON-STREET PARKING (GREEN LINES)**

Parking areas are in good structural condition - fog seal extends pavement life and enhances appearance

\$67,397.65: G.O. Bonds, Street Bonds, and Non-bond Capital (fog seal and striping)

FOG SEAL EXISTING PARKING SPACES AND RESTRIPE BOTH BLOCKS OF BUFFORD ON NORTH AND SOUTH SIDES



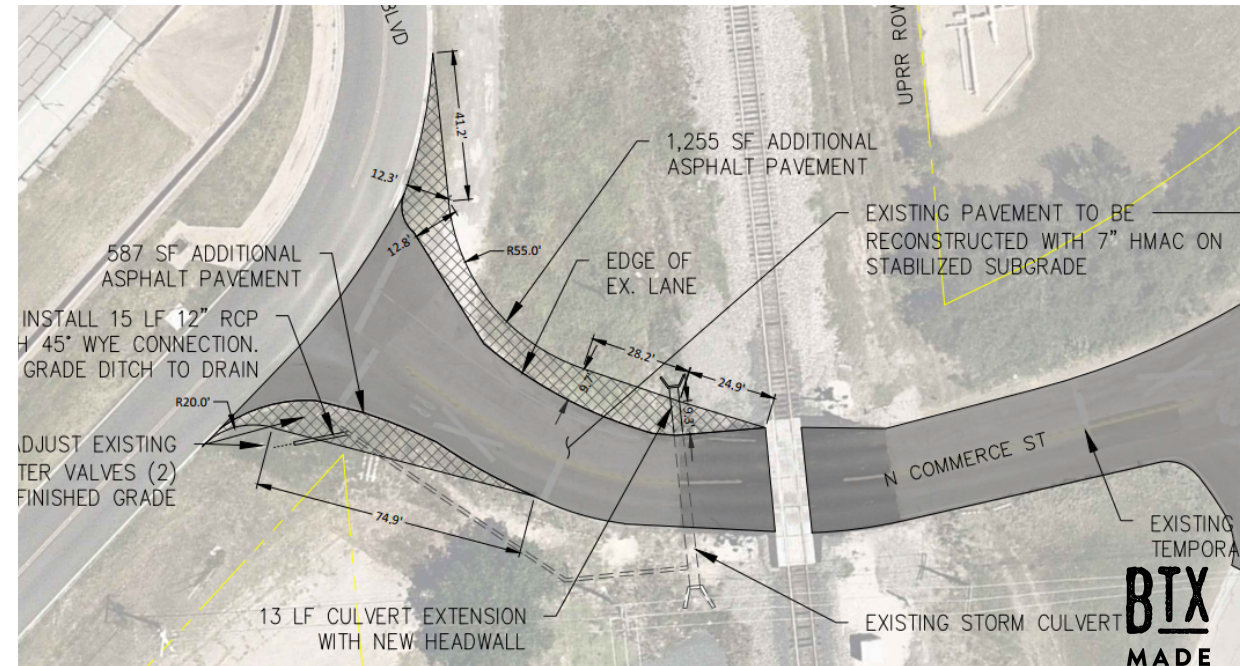


# N. COMMERCE ST

I-35 Service Rd. to SH 174 Service Rd.  
(G.O. Bond-funded)

- **RECONSTRUCT TRAVEL LANES**
- **WIDEN APPROACHES TO RAILROAD CROSSING TO BETTER ACCOMMODATE LARGE TRUCKS/TRAILERS**

\$291,081.18: G.O. Bonds, Street Bonds





# DOBSON ST: TOWN CREEK TO E. RENFRO

(E. Ellison St. to E. Renfro St. is G.O. Bond-funded)

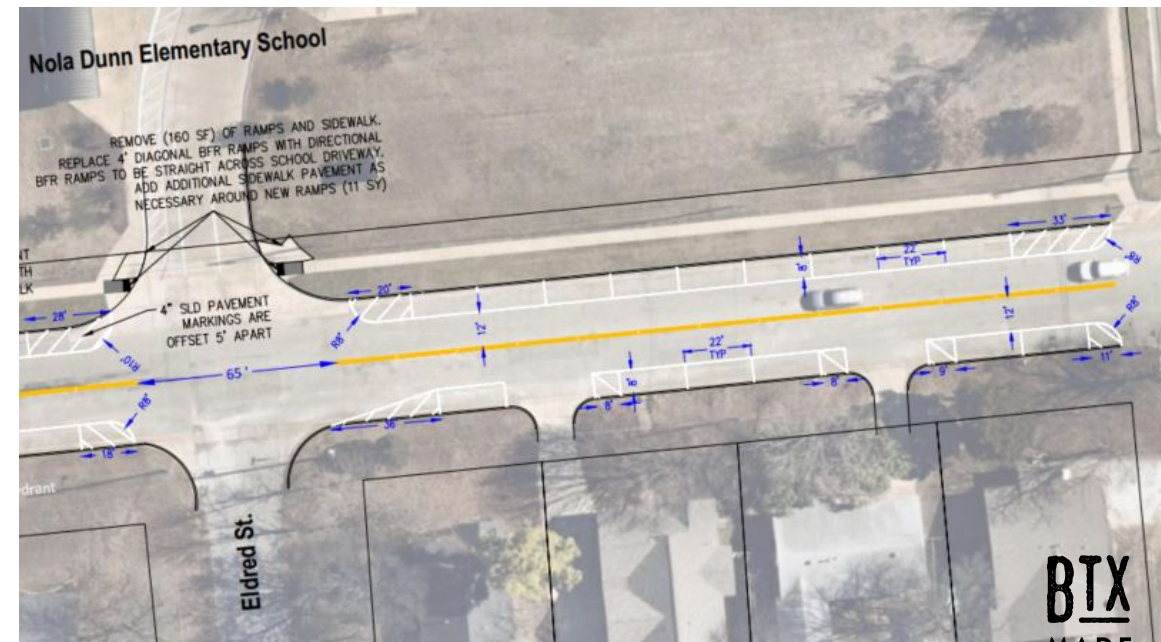
- **RECONSTRUCT S. BUFFORD TO TOWN CREEK**

- On-street parking between Miller and E. Ellison will be striped
- This segment will be completed prior to start of school

- **FOG-SEAL S. BUFFORD TO E. RENFRO**

- This section is anticipated to be fully reconstructed with the East Ellison Mobility Project starting design in FY24
- Fog seal as interim measure to provide similar appearance to reconstructed segment to the south until full reconstruction in 2025/2026

\$393,410.53: G.O. Bonds, Street Bonds, Non-bond Capital (fog seal and striping), and Water / Sewer Capital (for portion that included water/sewer replacement)

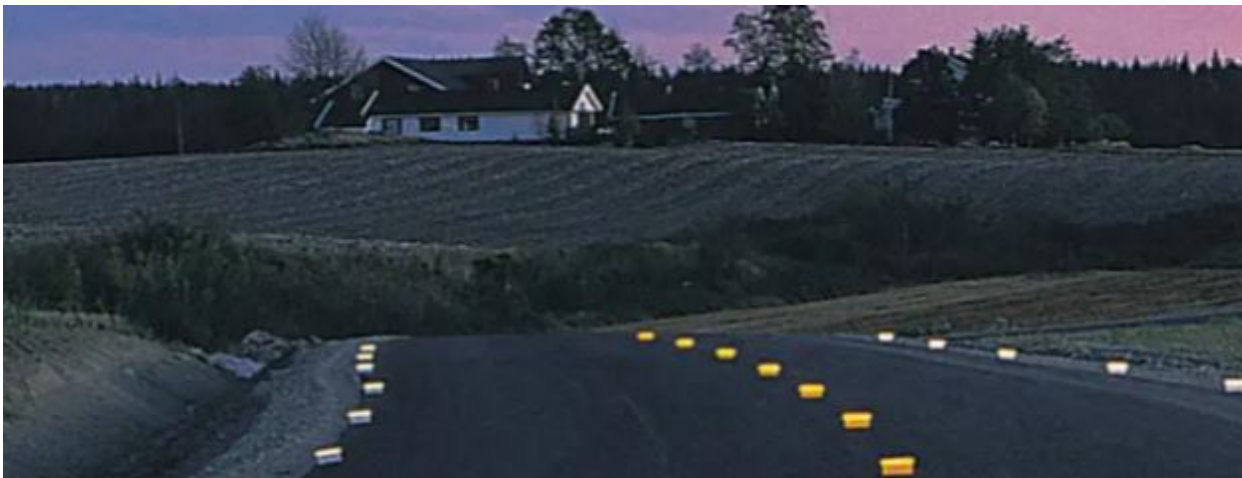





# DOBSON ST: HIDDEN CREEK PKWY TO 401 S. DOBSON

\$862,637.83: G.O. Bonds and Street Bonds

- RECONSTRUCT PAVEMENT AND SUBGRADE
- REPLACE CENTERLINE & PAVEMENT EDGE REFLECTORS (BUTTONS)



# BY THE NUMBERS



**SEALED BID**

ADVERTISED FOR BIDS MARCH 28, 2023  
TWO BIDS RECEIVED APRIL 25, 2023



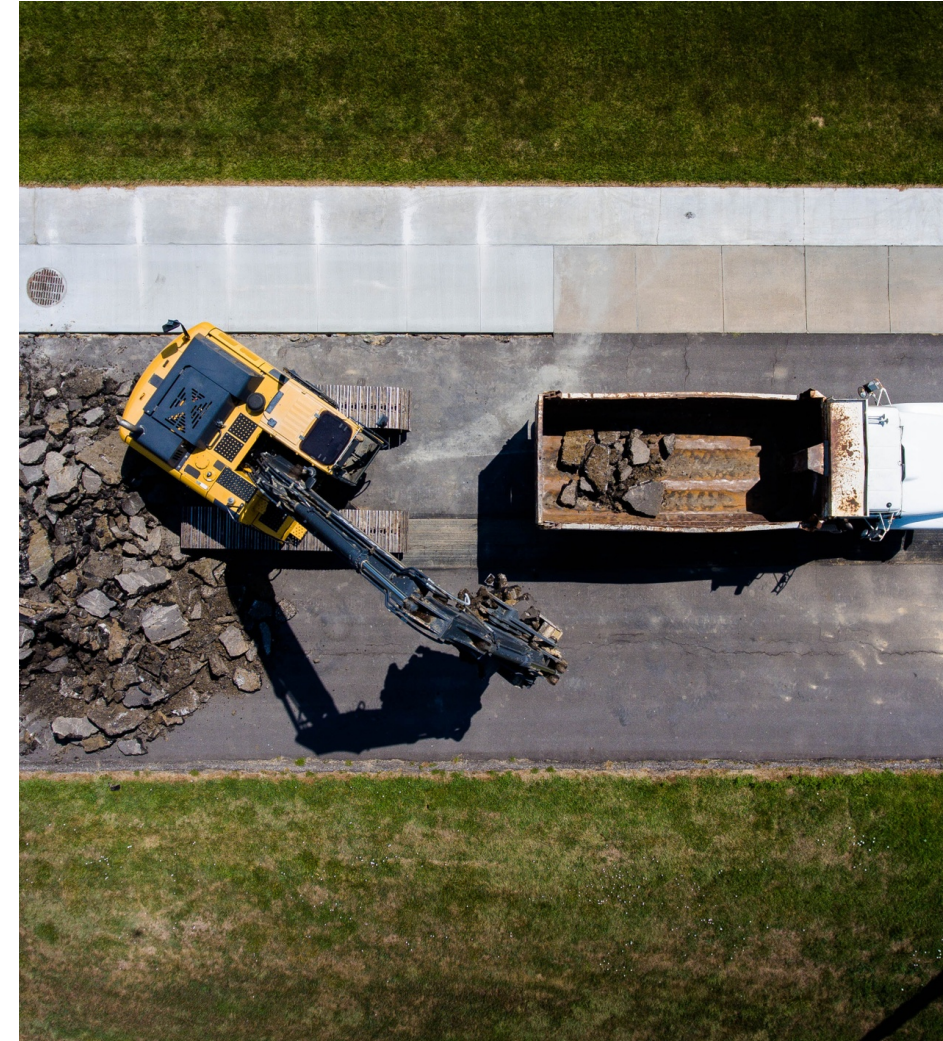
**CONTRACT TIME  
(FROM NOTICE TO PROCEED):  
180 CALENDAR DAYS**

**TEXAS MATERIALS GROUP,  
INC. DBA TEXAS BIT**  
LOW BID: \$1,614,527.19  
10% CONTINGENCY: \$161,452.72  
**TOTAL CONTRACT AMOUNT: \$1,775,979.91**



# CONTRACT FUNDING SUMMARY

- **\$539,778 OF \$725,833\* IN 2022 G.O. BOND FY23 ALLOCATION FOR CONSTRUCTION OF FY22 NEIGHBORHOOD STREET REBUILD PROGRAM**
- **\$884,346 OF PREVIOUS STREET & DRAINAGE BOND FUNDS**
- **\$332,162 OF WATER AND SEWER CAPITAL BOND FUNDS (FOR PORTIONS OF DOBSON RECONSTRUCTED AS A RESULT OF UTILITY REPLACEMENT)**
- **\$19,694 OF NON-BOND CAPITAL FUNDS (FOR FOG SEALING AND CORRESPONDING PAVEMENT MARKING)**



**\* Remainder of the FY23 construction allocation planned to remain in the Neighborhood Street Rebuild program and roll forward to next year's contract**

# TIMELINE

**MAY 15, 2023**

Construction Contract  
Approval

**EARLY JUNE 2023**

Notice to Proceed  
Beginning with N. Dobson  
near Nola Dunn

**JANUARY 2024**

Completion

**COMPLETE**



# OPTIONS

## RECOMMENDED



### APPROVE

Approve a construction contract with Texas Materials Group, Inc. dba Texas Bit for the construction of Neighborhood Street Rebuilds FY22 project in the amount of \$1,775,979.91.



### DENY

Deny a construction contract with Texas Materials Group, Inc. dba Texas Bit for the construction of a Neighborhood Street Rebuilds FY22 project in the amount of \$1,775,979.91.

