



## **AGENDA**

**Street Improvement Economic Development Corporation  
Wednesday, September 16, 2020  
Bedford City Hall Building A  
2000 Forest Ridge Drive  
Bedford, Texas 76021**

**6:00 P.M.**

**In order to advance the public health goal of limiting face-to-face meetings (also called “social distancing”) to slow the spread of the Coronavirus (COVID19), there will be no public access to the location described above. Residents interested in the meeting can request a recording of the meeting by contacting the City Secretary’s Office at [citysecretary@bedfordtx.gov](mailto:citysecretary@bedfordtx.gov) or 817.952.2100.**

### **CALL TO ORDER**

### **APPROVAL OF MINUTES**

- 1. Approval of the minutes of the July 21, 2020 regular meeting.**

### **NEW BUSINESS**

- 2. Discussion and consider approval of the street assessment and the street rehabilitation plan.**
- 3. Discussion and consider approval of the policy for street light installation requests.**

### **ADJOURNMENT**

#### **CERTIFICATION**

I, the undersigned authority, do hereby certify that this Notice of Meeting was posted on the outside window in a display cabinet at the City Hall of the City of Bedford, Texas, a place convenient and readily accessible to the general public at all times, and said Notice was posted by the following date and time: **Friday, September 11, 2020 at 5:00 p.m.**, and remained so posted at least 72 hours before said meeting convened.

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**Michael Wells, City Secretary**

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**Date Notice Removed**

(Auxiliary aids and services are available to a person when necessary to afford an equal opportunity to participate in City functions and activities. Auxiliary aids and services or accommodations must be requested in writing to the City Secretary’s Office a minimum of seventy-two hours (72) hours prior to the scheduled starting time of the posted meeting. Requests can be delivered in person or mailed to the City Secretary’s Office at 2000 Forest Ridge Drive, Bedford, TX 76021, or emailed to [citysecretary@bedfordtx.gov](mailto:citysecretary@bedfordtx.gov). Some requests may take longer due to the nature, extent and/or availability of such auxiliary aids, services or accommodations.)



# Agenda Background

**PRESENTER:** Amanda Jacobs, Assistant City Secretary

**DATE:** 09/16/20

**Minutes**

**ITEM:**

Consider approval of the following 4B Street Improvement Economic Development Corporation minutes:

- a) July 21, 2020

**DISCUSSION:**

N/A

**ATTACHMENTS:**

July 21, 2020 minutes

STATE OF TEXAS §

COUNTY OF TARRANT §

CITY OF BEDFORD §

The Board of Directors of the City of Bedford Street Improvement Economic Development Corporation, Bedford, Texas, met at 6:00 p.m. at Bedford City Hall, 2000 Forest Ridge Drive, Bedford, on the 21st day of July 2020 with the following members present:

Rusty Sartor	President
Tina Penney	
Rusty Sartor	
Michael Boyter	
Ruth Culver	
Douglas Murphy	

Constituting a quorum.

Mitchell Epstein was absent.

Also present were:

Clifford Blackwell	Interim Assistant City Manager/Treasurer
Kenny Overstreet	Public Works Director
Scott Tedford	Assistant Public Works Director
Jerry Laverty	Street and Drainage Manager
Jackie Hancock	Public Works Office Manager
Maria Joyner	Finance Director
Amanda Jacobs	Assistant City Secretary/Assistant Secretary

### **CALL TO ORDER**

President Sartor called the meeting to order at 6:00 p.m.

#### **1. Consider and act upon appointment of a President, Vice President, Treasurer and Secretary to the Street Improvement Economic Development Corporation.**

The following nominations were made and approved:

President – Rusty Sartor  
Vice President – Douglas Murphy  
Secretary – Tina Penney  
Treasurer – Maria Joyner

### **APPROVAL OF MINUTES**

#### **2. Approval of the minutes of the January 21, 2020 regular meeting.**

Motioned by Director Culver, seconded by Director Penney, to approve the minutes of the January 21, 2020 regular meeting.

Motion passed 6-0-0. President Sartor declared the motion carried.

### **NEW BUSINESS**

#### **3. Receive the Financial Status Report as of June 23, 2020.**

Finance Director Maria Joyner presented information on this item.

Ms. Joyner stated that revenues are \$809,022, an increase of \$42,716 over the same time period the previous year; the sales tax for the first quarter is up \$112,000; and interest earnings are approximately \$13,000. Expenditures as of December 31, 2019 were \$251,587, a decrease of \$272,886, compared to the same time period the previous year, leaving a fund balance of \$4,007,347.

#### **4. Staff report on the status of Fiscal Year 2019/2020 approved projects and supplements.**

Public Works Director Kenny Overstreet presented information on this item.

Mr. Overstreet gave an update on the following projects:

- Concrete repairs (panels, sidewalks and ADA ramps) at various locations – In progress. The project is scheduled to be completed by the end of the fiscal year.
- Crack and joint sealing at various locations – The project was completed in April 2020.
- Pavement markings at various locations – The contractors will complete markings on Harwood Road in the area that was micro milled and replace markings on the roads that were overlaid during the 2020 Mill and Overlay at Various Locations Project. The project is scheduled to be completed by the end of August 2020.
- Street light rehabilitation and installation at various locations – Will be completed as requests are received and meet installation criteria.
- Subgrade repairs at various locations – These funds will be utilized in conjunction with the 2020 Mill and Overlay at Various Locations Project for subgrade repairs or street reclamation where needed. To date the additional funds have not been needed.
- Pedestrian crossing warning system installation – Traffic personnel installed a crosswalk and warning system on L. Don Dodson Drive between Building A and Building C. The Board requested this item to be brought back at the next SIEDC meeting.
- Mill and overlay at various locations – In progress. The project is scheduled to be completed by the end of July 2020.
- Mill and overlay on Brown Trail from Bedford Road to SH183 – The project was completed in March 2020.
- Mill and overlay on Forest Ridge Drive from Pipeline Road to SH183 – The project was completed in March 2020.
- Bedford Court East reconstruction from Brown Trail to Hurst city limits – In progress. The project is scheduled to be completed by the end of the fiscal year.
- Cheek-Sparger Road at Woodpark Lane/Heritage Avenue roadway improvements – The roadway improvements have been completed.
- Cheek-Sparger Road at Woodpark Lane/Heritage Avenue signal installation – In progress. The signal light has been installed. Oncor has been scheduled to run power and set a meter.

Approved Fiscal Year 2019/2020 supplementals and status update:

- Tandem Dump Truck – Purchase has been completed.
- Glance Preempt and Field Monitoring Unit – Purchase and installation has been completed.

- Street sanders – Public Works staff is reviewing specifications on various models.

## **5. Consider approval of the Fiscal Year 2020/2021 budget for the City of Bedford Street Improvement Economic Development Corporation (SIEDC).**

Public Works Director Kenny Overstreet presented information on this item.

The proposed Fiscal Year 2020/2021 budget includes base operation and maintenance items and the following projects:

- Concrete repairs (panels, sidewalks and ADA ramps) at various locations.
- Crack and joint sealing at various locations.
- Emergency street repairs.
- Geotechnical for reclamation, mill and overlay locations.
- Pavement markings at various locations.
- Street light rehabilitation and installation at various locations.
- Subgrade repairs at various locations.
- Pedestrian crossing warning system installation.
- Reclamation, mill and overlay at various locations.
- Mill and overlay on Forest Ridge Drive from SH 183/121 to Bedford Road (milling would be completed by a contractor and the overlay would be completed by Tarrant County Precinct 3).
- Mill and overlay on L. Don Dodson from Forest Ridge Drive to Central Drive (milling would be completed by a contractor and the overlay would be completed by Tarrant County Precinct 3).
- Phyllis Street design from Brown Trail to Ravenswood Drive (Potential Community Development Block Grant project).

Additionally, equipment replacement items included in the proposed budget are a haul trailer and two message boards.

Motioned by Director Culver, seconded by Director Murphy, to approve the Fiscal Year 2020/2021 budget for the City of Bedford Street Improvement Economic Development Corporation.

Motion passed 6-0-0. President Sartor declared the motion carried.

## **6. Discussion on the street assessment and the street rehabilitation plan.**

Public Works Director Kenny Overstreet presented information on this item.

There was discussion regarding not going into debt, the condition of the main streets in the City, and waterline improvements on Harwood Road.

Interim City Manager Cliff Blackwell stated in 2005, the City of Bedford issued a Refunding and Improvement G.O. Bond worth \$26.5M; \$15M was assigned to refunding debt that the 4B fund supported. As a result, the 4B fund was funding \$1.4M annually towards debt. The 4B brings in approximately \$2.5M in revenue and spends more than that due to a healthy fund balance. If the Board wants to consider a strategic plan to issue debt, it is important to keep the debt within the \$2.5M threshold.

There was discussion regarding the five-year rehabilitation plan developed by Frugo, bringing all City streets to a 70% paving condition index (PCI) score within five years, and extending the five-year plan.

The Board was of the consensus to bring this item back, after selling bonds, to take a strategic look at issuing debt to reconstruct all streets.

**7. Review and discussion on a policy for street light installation requests.**

Public Works Director Kenny Overstreet presented information on this item.

There was discussion regarding the number of requests received each year; informing the public of the program; changing wording in the policy and bringing the policy back to the Board in 90 days.

**8. Consider authorizing the Street Improvement Economic Development Corporation leased vehicles to be titled to Enterprise FM Trust with the lessee as the City of Bedford for the benefit of the Street Improvement Economic Development Corporation.**

Public Works Director Kenny Overstreet presented information on this item.

There was discussion regarding the type and number of vehicles to be titled and the purpose of the Enterprise program.

Motioned by Director Culver, seconded by Director Boyter, to authorize the Street Improvement Economic Development Corporation's leased vehicles to be titled to Enterprise FM Trust with the lessee as the City of Bedford for the benefit of the Street Improvement Economic Development Corporation.

Motion passed 6-0-0. President Sartor declared the motion carried.

**ADJOURNMENT**

President Sartor adjourned the meeting at 8:02 p.m.

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Rusty Sartor, President

ATTEST:

\_\_\_\_\_  
Amanda Jacobs  
Assistant City Secretary



# Agenda Background

**PRESENTER:** Kenneth Overstreet, Director of Public Works    **DATE:** 09/16/20

Staff Report

**ITEM:**

Discussion and consider approval of the street assessment and the street rehabilitation plan.

**DISCUSSION:**

Staff was tasked with developing a street rating system, which will be used to develop guidelines for reconstructing pavement throughout the City. On October 17, 2017, staff presented the initial results of the in-house rating system to the Street Improvement Economic Development Corporation (SIEDC) board members. It was stated that to complete the street rating system in-house would take approximately 8.5 months. Staff requested approval to utilize a North Central Texas Council of Governments (NCTCOG) Interlocal Share Program to complete the assessment. The Board was of the consensus to move forward on the street assessment project and asked staff to research companies and bring a proposal to a future meeting for approval.

On January 16, 2018, an item was presented to the SIEDC board to authorize the Public Works Director to submit a request to Council to enter into a contract with Fugro Roadware, Inc. to complete a street rating system. The scope of work included pavement data collection, sidewalk and ADA ramp data collection, pavement management analysis, and to report and deliver data in a Geographic Informational Services (GIS) format. The Board approved the request and authorized staff to submit a request to the City Council. The item was submitted and approved by City Council during the February 13, 2018 meeting.

On May 1, 2018, the Public Works Director requested guidance on the type of street maintenance process the Board prefers: micro sealing, slurry seal or mill and asphalt overlay. The Board determined that the goals of the rehabilitation plan be a 70% paving condition index (PCI) score completed in five to ten years and utilizing all three street maintenance processes: micro seal, slurry seal, and mill and asphalt overlay.

Treasurer Cliff Blackwell presented information on potential funding options. Information was presented on borrowing funds within the 4B SIEDC Fund for future street rehabilitation projects. Mr. Blackwell stated that each year, the 4B generates a revenue stream of approximately \$2.5M.

On July 25, 2018, the Public Works Director presented information on three scenarios received from the Fugro Roadware, Inc.; a \$1,000,000 per year list, a \$2,000,000 per year list, and a \$5.4M per year list. It was stated that the overall street rating is 61.1 PCI, and that a rating of 30 or below requires a complete rebuild.

Staff presented a preliminary five-year plan (attached) to the SIEDC Board with the FY 2018/2019 budget.

On July 16, 2019, the SIEDC board approved the FY 2019/2020 budget. After reviewing year two of the five-year plan and the initial water line assessment results, adjustments had to be made to the plan due to water lines requiring replacement.

In addition to any debt service, the 4B funds supply needs for sign, signal, street and sidewalk maintenance, which borrowed funds cannot pay for.

Staff will also present the twenty lowest rated streets for review.

**ATTACHMENTS:**

**PowerPoint Presentation**

# 4B Special Meeting

September 16, 2020

# 20/21 Approved Budget Overview

# Proposed Revenue and Expenditures

## Fiscal Year Ending September 30, 2020

<b>Projected Fund Balance October 1, 2020</b>	<b>\$ 2,118,266</b>
<b>Revenue</b>	
Sales Tax	\$ 2,900,000
Special Sales Tax	-
Interest Income	<u>\$ 45,000</u>
<b>Total Revenue</b>	<b>\$ 2,945,000</b>
<b>Required Reserve</b>	
<b>Available Funds</b>	<b>\$ 5,075,998</b>
<b>Expenditures</b>	
Supplies	48,800
Maintenance	367,440
Contract Services	2,045,380
Debt Service/Transfers	285,960
Contingency	60,000
Design/Engineering/Construction	85,000
Capital Outlay*	178,500
<b>Total Expenditures</b>	<b>\$ 3,071,080</b>
<b>Available funds less expenditures</b>	<b><u>\$ 2,004,918</u></b>
<b>Projected Fund Balance, September 30, 2021</b>	<b><u>\$ 2,004,918</u></b>

## Expense Budget Worksheet Report

	Account Number	Account Description	2021 Council Approved
<b>Fund:</b>	<b>227 - EDC -4B STREET IMPROVEMENT</b>		
	<i>7300 - SUPPLIES</i>		
	8105	FUEL AND OIL	10,000.0000
	8106	MINOR APPARATUS	8,800.0000
	8130	SIGNS	30,000.0000
		<i>Account Classification Total: 7300 - SUPPLIES</i>	\$48,800.00
	<i>7400 - MAINTENANCE</i>		
	8205	MAINTENANCE SIDEWALKS AND CURBS	23,000.0000
	8208	MAINTENANCE STREETS AND HIGHWAYS	268,500.0000
	8210	MAINTENANCE EQUIPMENT	19,900.0000
	8212	MAINTENANCE MOTOR VEHICLES	17,730.0000
	8224	MAINTENANCE TRAFFIC SIGNALS	38,310.0000
		<i>Account Classification Total: 7400 - MAINTENANCE</i>	\$367,440.00
	<i>7500 - CONTRACTUAL SERVICES</i>		
	8310	CONTRACT LABOR	2,024,380.0000
	8311	SOFTWARE	10,000.0000
	8321	RENTALS	11,000.0000
		<i>Account Classification Total: 7500 - CONTRACTUAL SERVICES</i>	\$2,045,380.00
	<i>7600 - DEBT SERVICE &amp; TRANSFERS</i>		
	8498	OPERATING TRANSFERS	285,960.0000
	8499	CONTINGENCY	60,000.0000
		<i>Account Classification Total: 7600 - DEBT SERVICE &amp; TRANSFERS</i>	\$345,960.00
	<i>7700 - CAPITAL OUTLAY</i>		
	8530	DESIGN / ENGINEERING	85,000.0000
	9104	IMPROVEMENTS OTHER THAN BUILDINGS	120,000.0000
	9110	INSTRUMENTS AND APPARATUS	36,000.0000
	9111	MOTOR VEHICLES	22,500.0000
		<i>Account Classification Total: 7700 - CAPITAL OUTLAY</i>	\$263,500.00
	Fund EXPENSE	Total: 227 - EDC -4B STREET IMPROVEMENT	\$3,071,080.00
		<b>EXPENSE GRAND Totals:</b>	<b>\$3,071,080.00</b>

## CITY OF BEDFORD - FY 2-21 EQUIPMENT REPLACEMENT SUMMARY

ITEM: 16' Interstate Trailer Model #40DLA      DEPARTMENT: Public Works       DIVISION: Administration

Core Service       Council Goal/Priority       Emerging Safety Need       Regulation or Mandate  
 Resident/Customer Expectation       National Standard/Best Practice

**REPLACEMENT NEED:**  
 The haul trailer is utilized to transport various equipment to the job site. The current trailer's weight rating is not sufficient to haul some of the street maintenance equipment. The trailer was a Police seizure and was purchased by Public Works for \$2,650. Due to age and usage, the trailer has a bent axle and the metal deck of the trailer is cracked.

REPLACEMENT COST:      \$      22,500  
 FUNDING SOURCE:      SIEDC  
 UNIT #:      199  
 AGE (YEARS):      UNK  
 2-YR MAINTENANCE COST:      \$      2,650  
 DISPOSITION:      Auction

ITEM: Message Boards      DEPARTMENT: Public Works       DIVISION: Administration

Core Service       Council Goal/Priority       Emerging Safety Need       Regulation or Mandate  
 Resident/Customer Expectation       National Standard/Best Practice

**REPLACEMENT NEED:**  
 In 2010, the City purchase two message boards that are utilized for traffic control. Approximately 3 years ago, one of the message boards stopped functioning and replacement parts were no longer manufactured. The message board vendor finally obtained a repair part from a message board that was hit by a vehicle and was able to repair the message board. The other message board is having the same issue, but replacement parts cannot be obtained.

REPLACEMENT COST:      \$      36,000  
 FUNDING SOURCE:      SIEDC  
 UNIT #:      978 & 979  
 AGE (YEARS):      10  
 2-YR MAINTENANCE COST:      \$      28  
 DISPOSITION:      Auction

# Street Projects Update

Fiscal Year 2017/2018

\$1,729,352.74

<b>Project</b>	<b>To / From</b>	<b>Project Cost</b>	<b>PCI Score Prior</b>	<b>PCI Score After</b>
Harwood Road Mill and Overlay	SH 121 to FM 157 (Industrial Boulevard)	\$200,753.96	N/A	96.48
Harwood Road Mill and Overlay	Forest Ridge Drive to Central Drive	\$147,679.93	N/A	92.98
Martin Drive	Cummings Drive to Cheek Sparger Road	\$106,767.78	N/A	98.28
Bedford Road Mill and Overlay	Somerset Terrace to Brown Trail	\$ 56,004.67	N/A	100
Bedford Court East Reconstruction	Brown Trail to Dora Street	\$441,193.00 CDBG \$180,205.26 City \$260,987.74	N/A	100
2018 Mill and Overlay	Various Locations (see next slide for locations)	\$450,078.08	Various	100
2018 Concrete Repair	Various Locations	\$176,948.60	N/A	N/A
2018 Crack Sealing	Various Locations	\$149,926.72	N/A	N/A

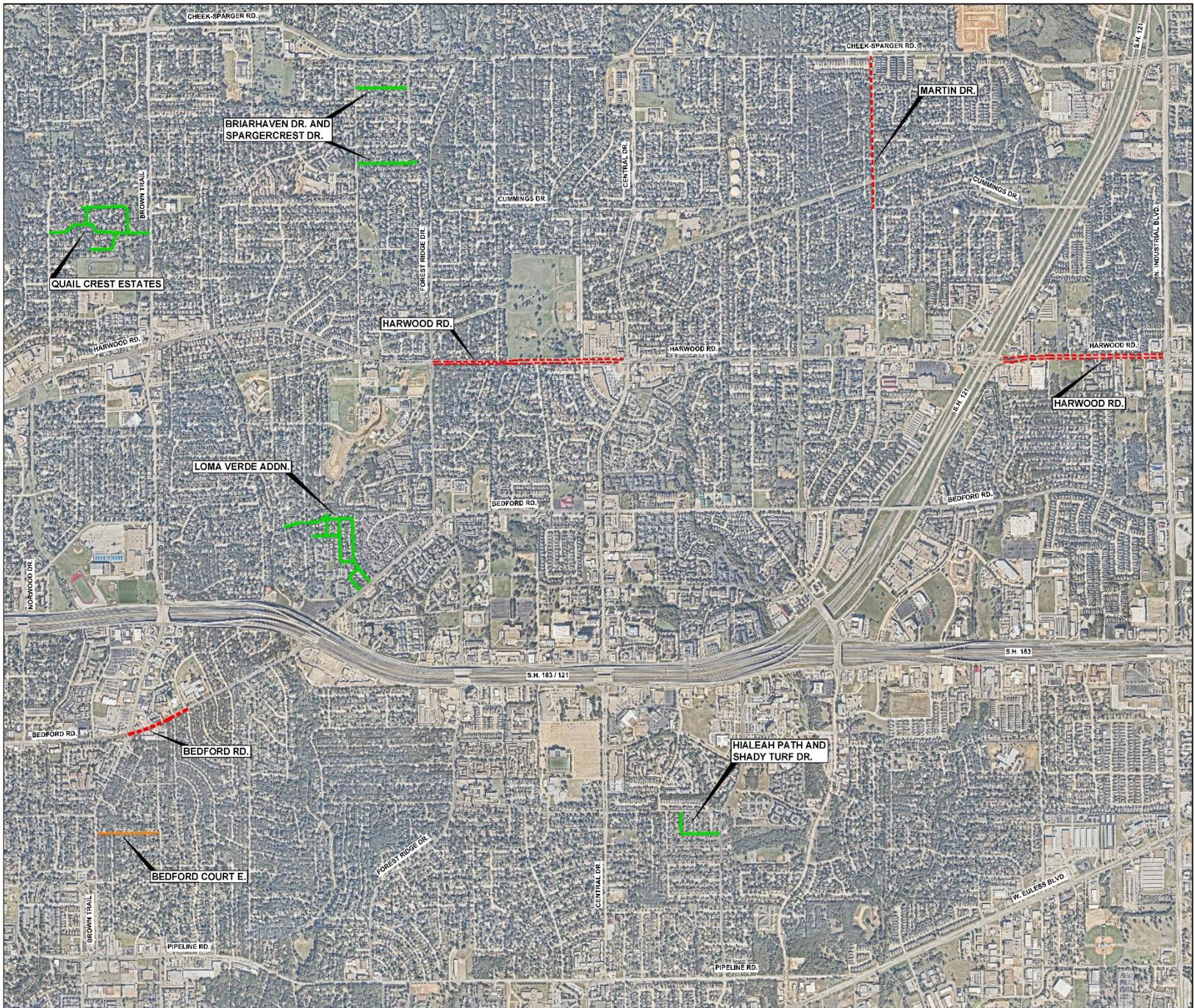
# 2018 Mill and Overlay Locations

Street Name	PCI Score Prior	PCI Score After
Blue Jay Court	51.74	100
Bobwhite Drive	66.38	100
Briarhaven Drive	59.15	100
Eagle Drive	54.92	100
El Campo Street	63.39	100
Hawk Lane	21.61	71.61
Hialeah Path	41.22	91.22
Loma Alta Drive	22.25	72.25
Loma Verde Drive	56.09	100
Redondo Road	67.67	100
San Fernando Street	34.32	84.32
Serrano Street	53.35	100
Shady Lane	N/A	92.04

# 2018 Mill and Overlay Locations

(continued)

<b>Street Name</b>	<b>PCI Score Prior</b>	<b>PCI Score After</b>
Shady Turf Drive	N/A	92.04
Spargercrest Drive	67.93	100
Tranquilla Terrace	56.45	100
Warbler Drive	59.64	100
Wren Court	58.55	100



**PROJECT TYPES**

- MILL AND OVERLAY - BID
- RE-BUILD - CDBG - BID
- - - MILL AND OVERLAY - COUNTY AND CITY COOPERATIVE
- FULL DEPTH RECLAIM - BID
- SIGNALIZATION - COUNTY AND CITY COOPERATIVE

# FY 2017-2018 IMPROVEMENTS

SOURCE: CITY OF BEDFORD, TEXAS, GIS DEPARTMENT

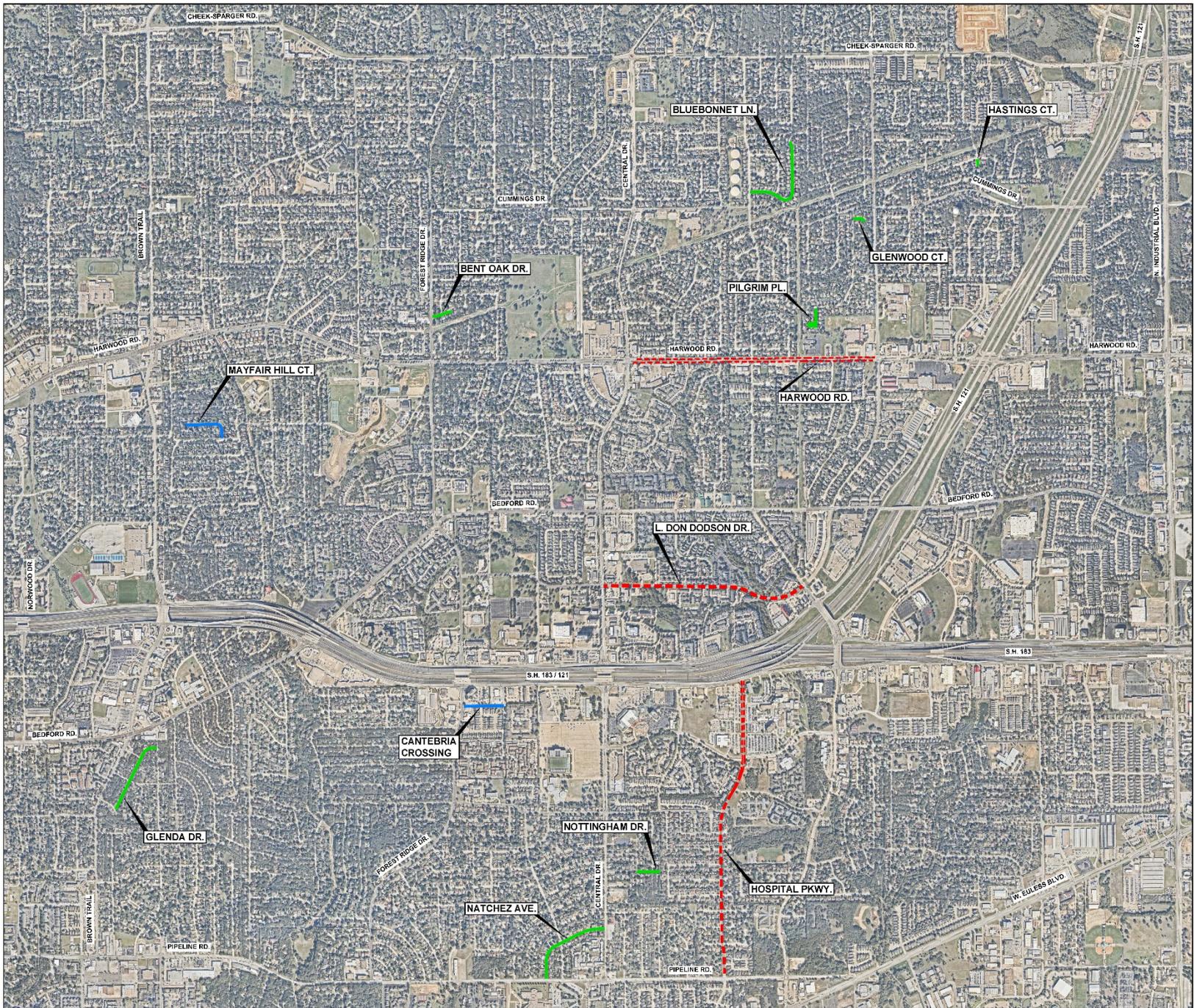
Fiscal Year 2018/2019

\$1,943,870.31

<b>Project</b>	<b>To / From</b>	<b>Project Cost</b>	<b>PCI Score Prior</b>	<b>PCI Score After</b>
Harwood Road	Central Drive to Martin Drive	\$280,606.91	89.53	100
L. Don Dodson	Central Drive to Murphy Drive	\$173,362.30	37.88	87.88
Hospital Parkway	SH 183/121 to Pipeline Road	\$257,323.87	68.94	100
2019 Mill and Overlay / Reclamation	Various (see next slide for locations)	\$518,312.55	N/A	N/A
2019 Concrete Repair	Various	\$564,424.64	N/A	N/A
2019 Crack Sealing	Various	\$149,840.04	N/A	N/A

# 2019 Mill and Overlay Locations

Street Name	PCI Score Prior	PCI Score After
Bent Oak Drive	50.92	100
Bluebonnet Lane	50.48	100
Cantebria Crossing (Reclamation)	50.77	100
Glenda Drive	51.79	100
Glenwood Court	50.66	100
Hastings Court	53.2	100
Mayfair Hill Court (Reclamation)	50.54	100
Natchez Avenue	50.27	100
Nottingham Drive	50.36	100
Pilgrim Place	52.85	100



**PROJECT TYPES**

- MILL AND OVERLAY - BID
- - - MILL AND OVERLAY - COUNTY AND CITY COOPERATIVE
- RE-BUILD - CDBG - BID
- FULL DEPTH RECLAIM - BID
- ● ● ● SIGNALIZATION - COUNTY AND CITY COOPERATIVE

# FY 2018-2019 IMPROVEMENTS

Fiscal Year 2019/2020

\$2,440,348.58

<b>Project</b>	<b>To / From</b>	<b>Project Cost</b>	<b>PCI Score Prior</b>	<b>PCI Score After</b>
Brown Trail	SH 183/121 to Bedford Road	\$ 93,072.78	58.81	100
Forest Ridge Drive	SH 183/121 to Pipeline Road	\$ 225,254.30	60.55	100
Bedford Court East	Brown Trail to Hurst City Limit	\$ 489,349.00 CDBG \$155,000.00 City \$334,349.00	28.91	100
2020 Mill and Overlay	Various (see next slide for locations)	\$1,091,420.00	N/A	N/A
2020 Concrete Repair	Various	\$ 391,252.50	N/A	N/A
2020 Crack Sealing	Various	\$ 150,000.00	N/A	N/A

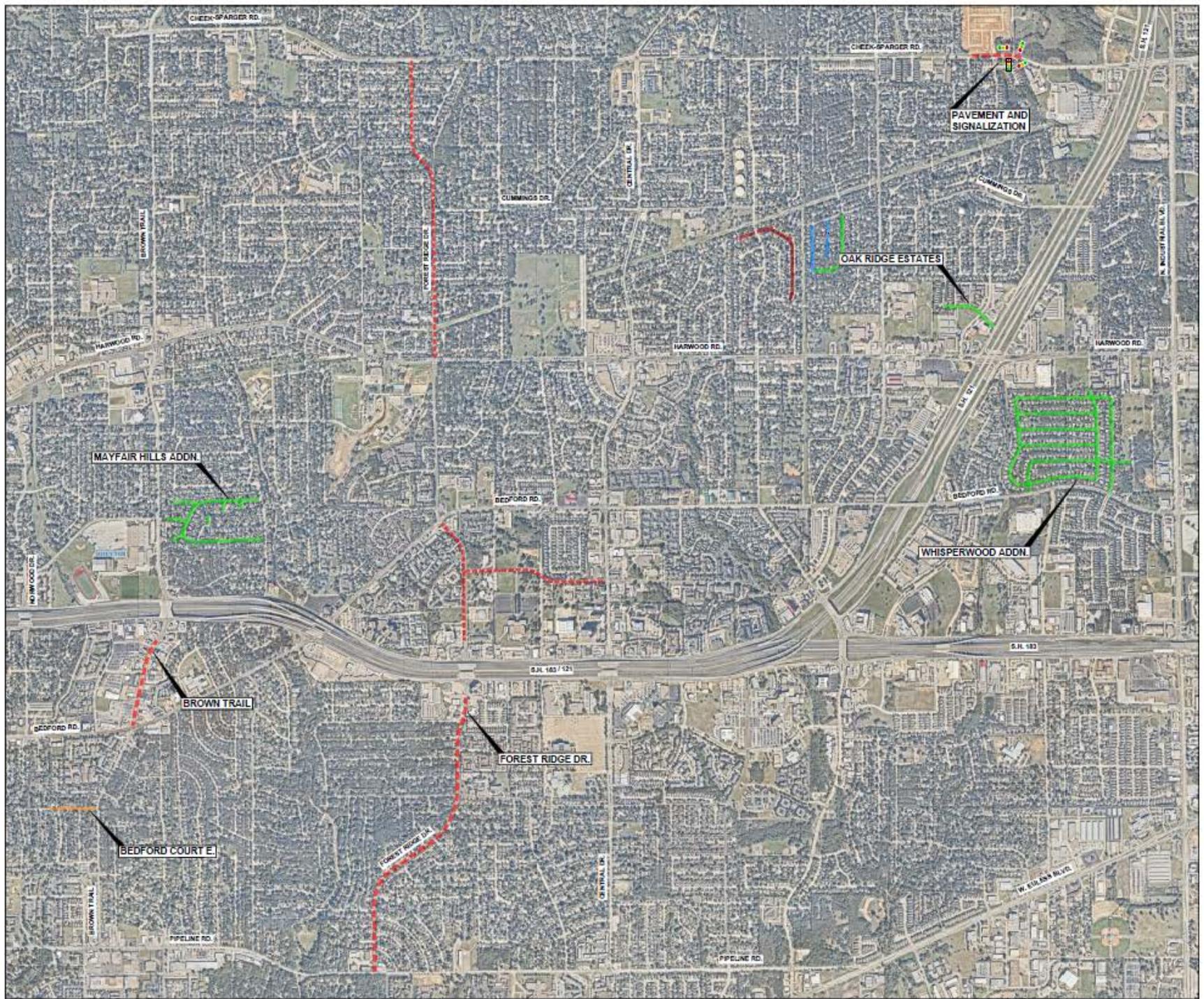
# 2020 Mill and Overlay Locations

<b>Street Name</b>	<b>PCI Score Prior</b>	<b>PCI Score After</b>
April Sound Court	43.12	93.12
Aspenwood Drive	55.06	100
Autumnwood Court	48.67	98.67
Cherry Blossom Lane	57.56	100
Chinaberry Drive	68.94	100
Cottonwood Lane	54.16	100
Hackberry Lane	56.63	100
Hunters Glen Court	58.93	100
Mulberry Lane	47.62	97.62

# 2020 Mill and Overlay Locations

(continued)

<b>Street Name</b>	<b>PCI Score Prior</b>	<b>PCI Score After</b>
Pinewood Street	67.65	100
Pleasantview Drive	49.61	99.61
Saddlebrook Drive North	53.84	100
Saddlebrook Drive South	53.84	100
Shady Lane (Reclamation)	0.0	100
Sugar Tree Court	64.91	100
Susan Drive	56.35	100
Walnut Drive	58.64	100
Windsong Court	62.73	100



**PROJECT TYPES**

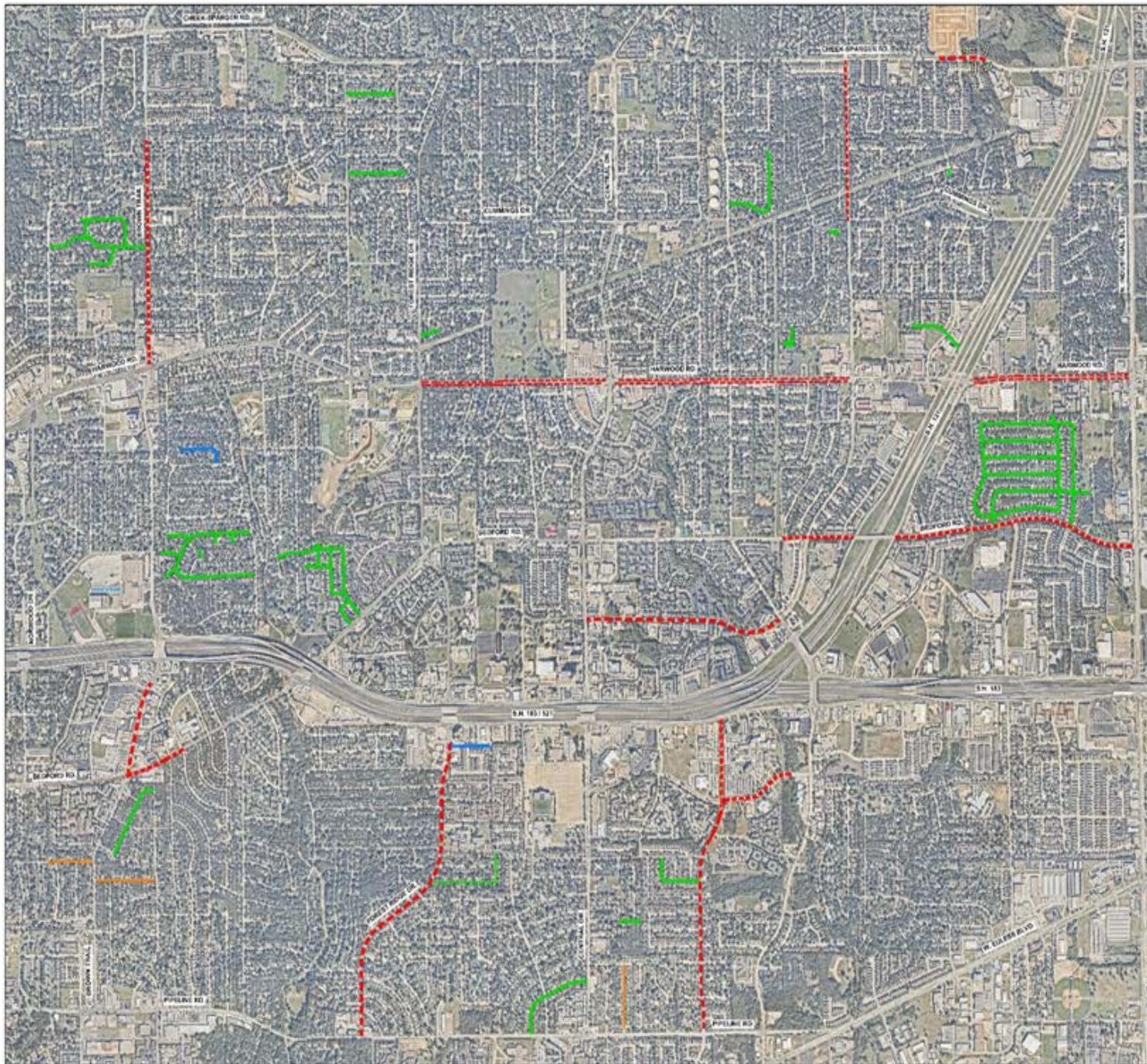
- MILL AND OVERLAY - BID
- - - - - MILL AND OVERLAY - COUNTY AND CITY COOPERATIVE
- RE-BUILD - CDBG - BID
- FULL DEPTH RECLAIM - BID
- SIGNALIZATION - COUNTY AND CITY COOPERATIVE

**FY 2019-2020 IMPROVEMENTS**

# Combined Improvements Cost

FY 2017- FY 2020

\$6,113,571.63



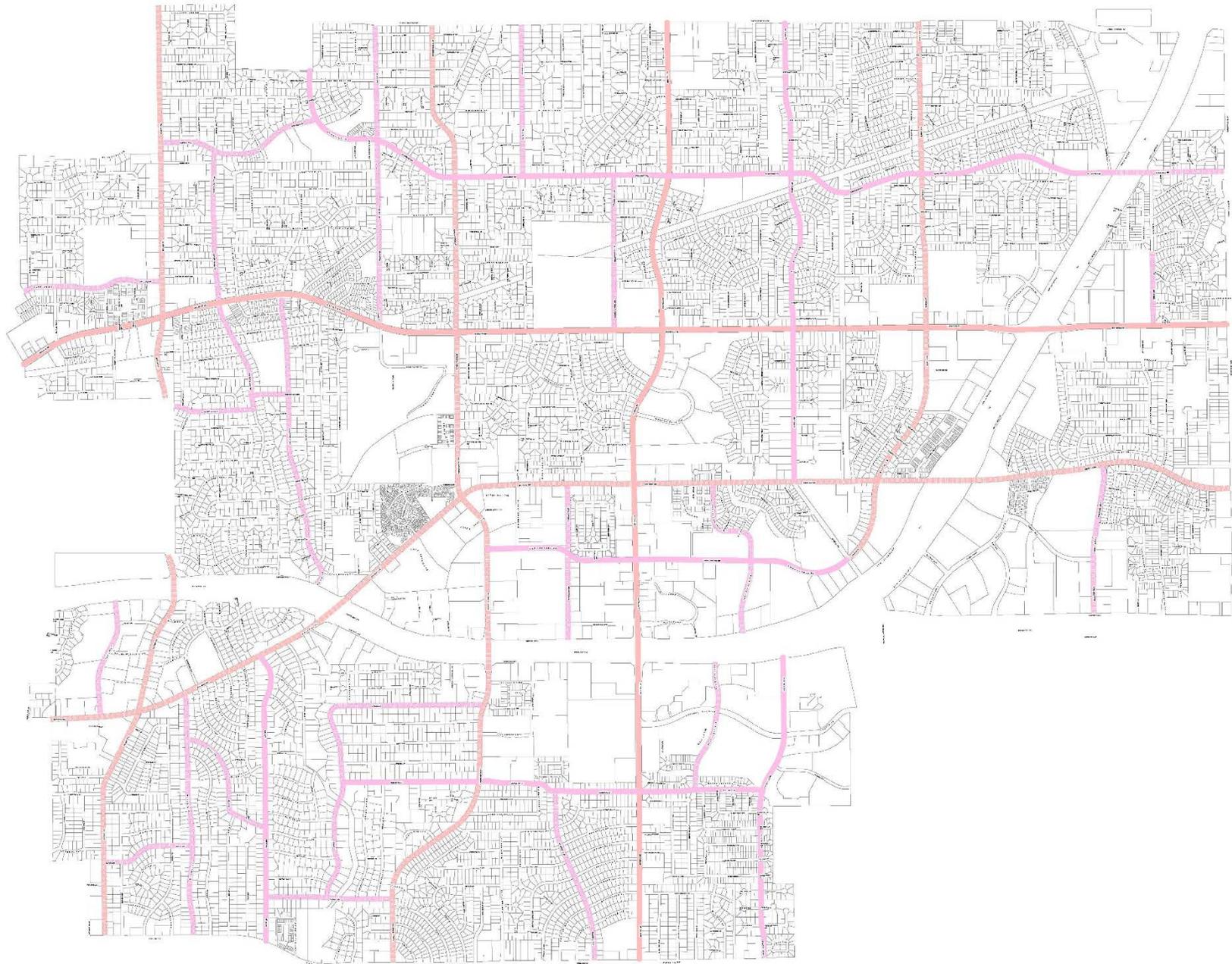
**PROJECT TYPES**

- MILL AND OVERLAY - BID
- RE-BUILD - CDBG - BID
- - - - MILL AND OVERLAY - COUNTY AND CITY COOPERATIVE
- FULL DEPTH RECLAIM - BID
- SIGNALIZATION - COUNTY AND CITY COOPERATIVE

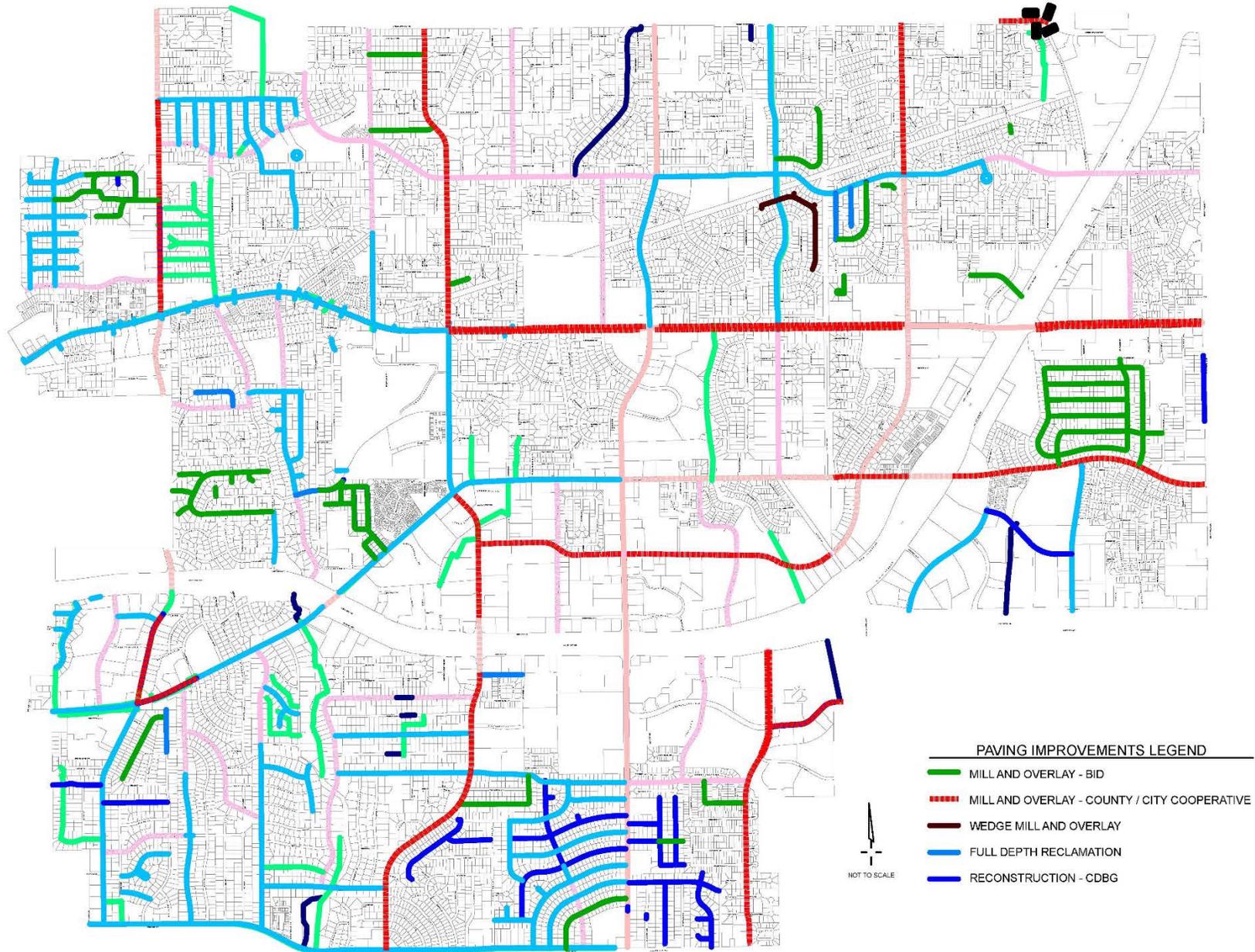
**COMBINED IMPROVEMENTS**

# Future Street Planning

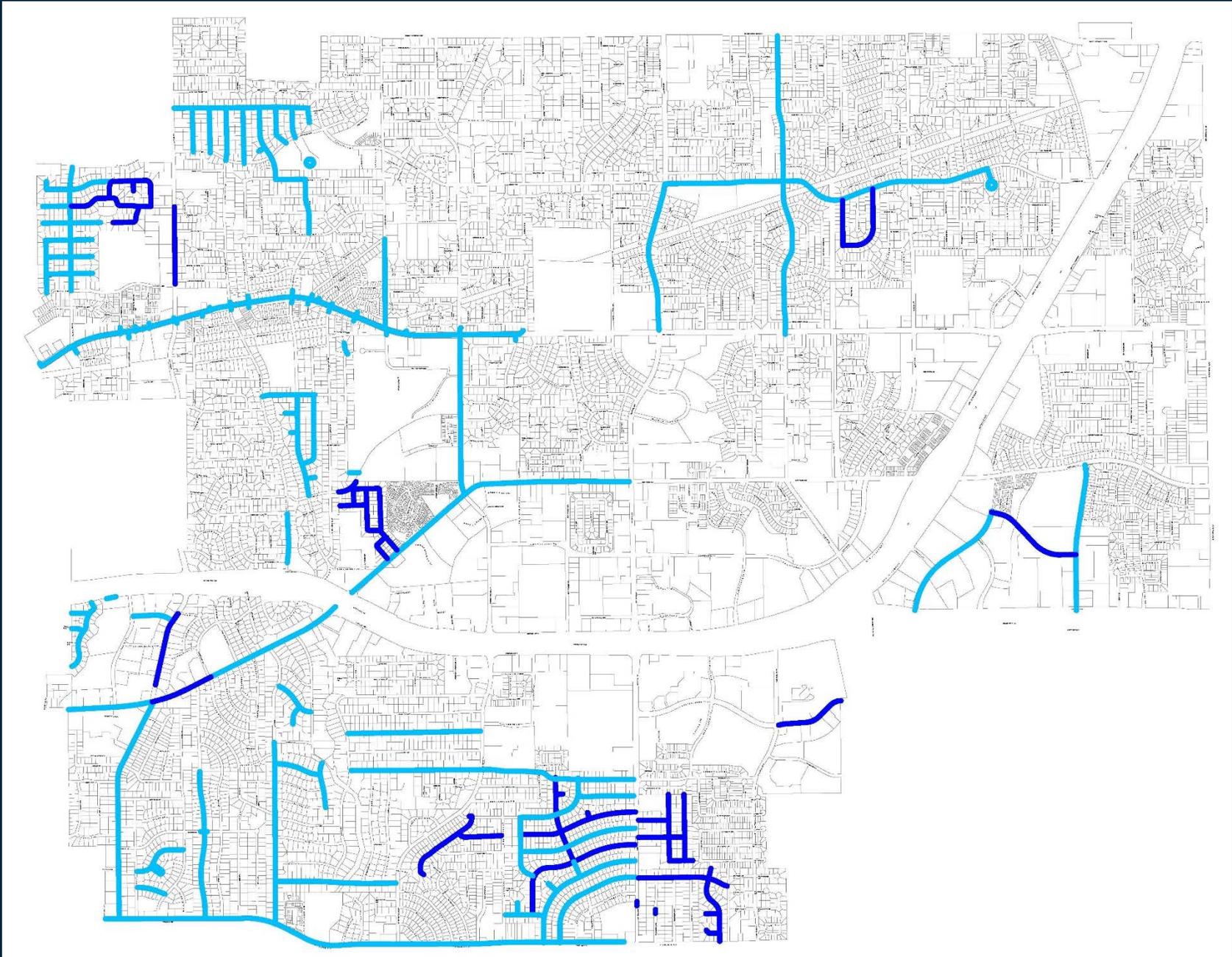
# Major Thoroughfares



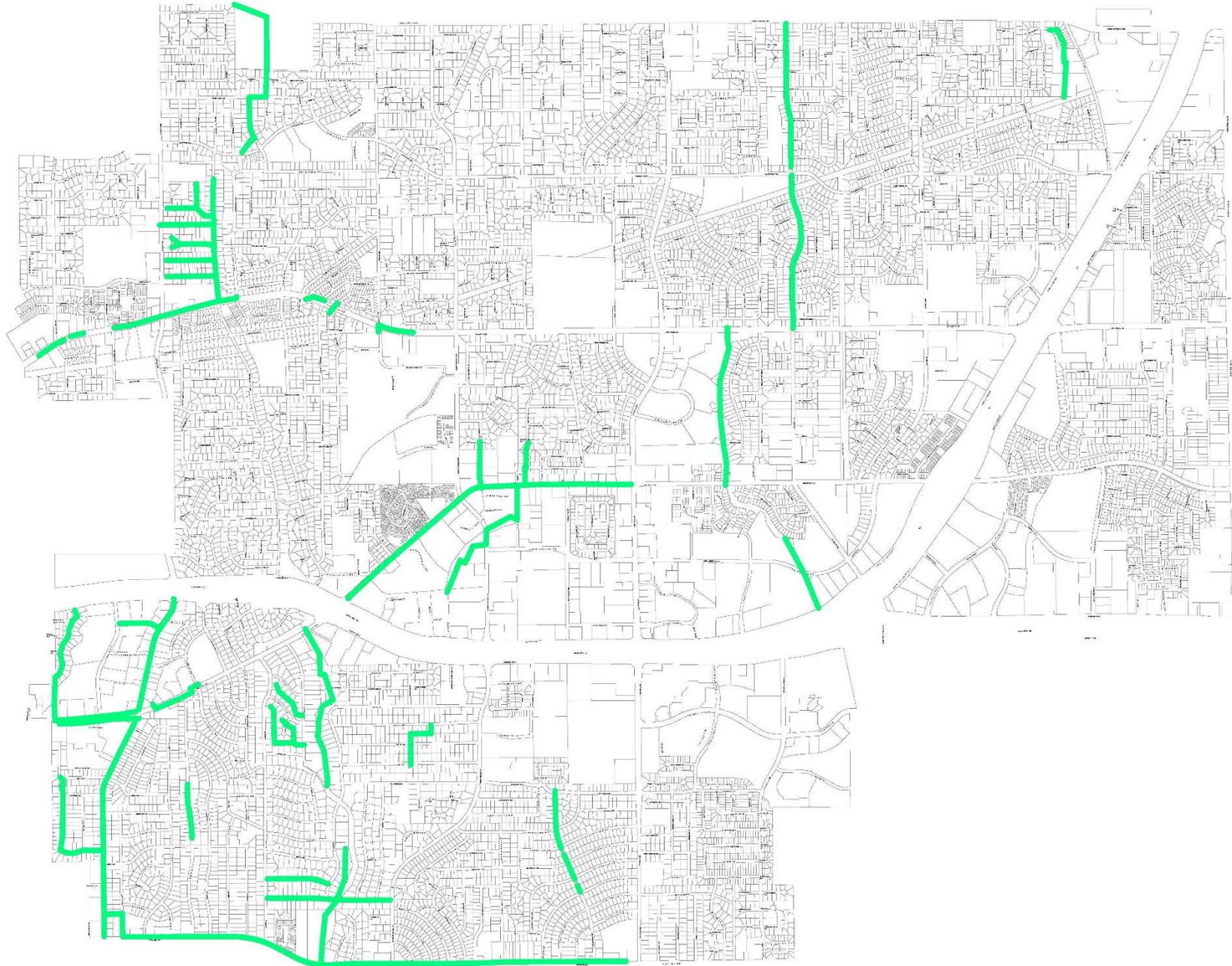
# Five Year Combined CIP and 2021



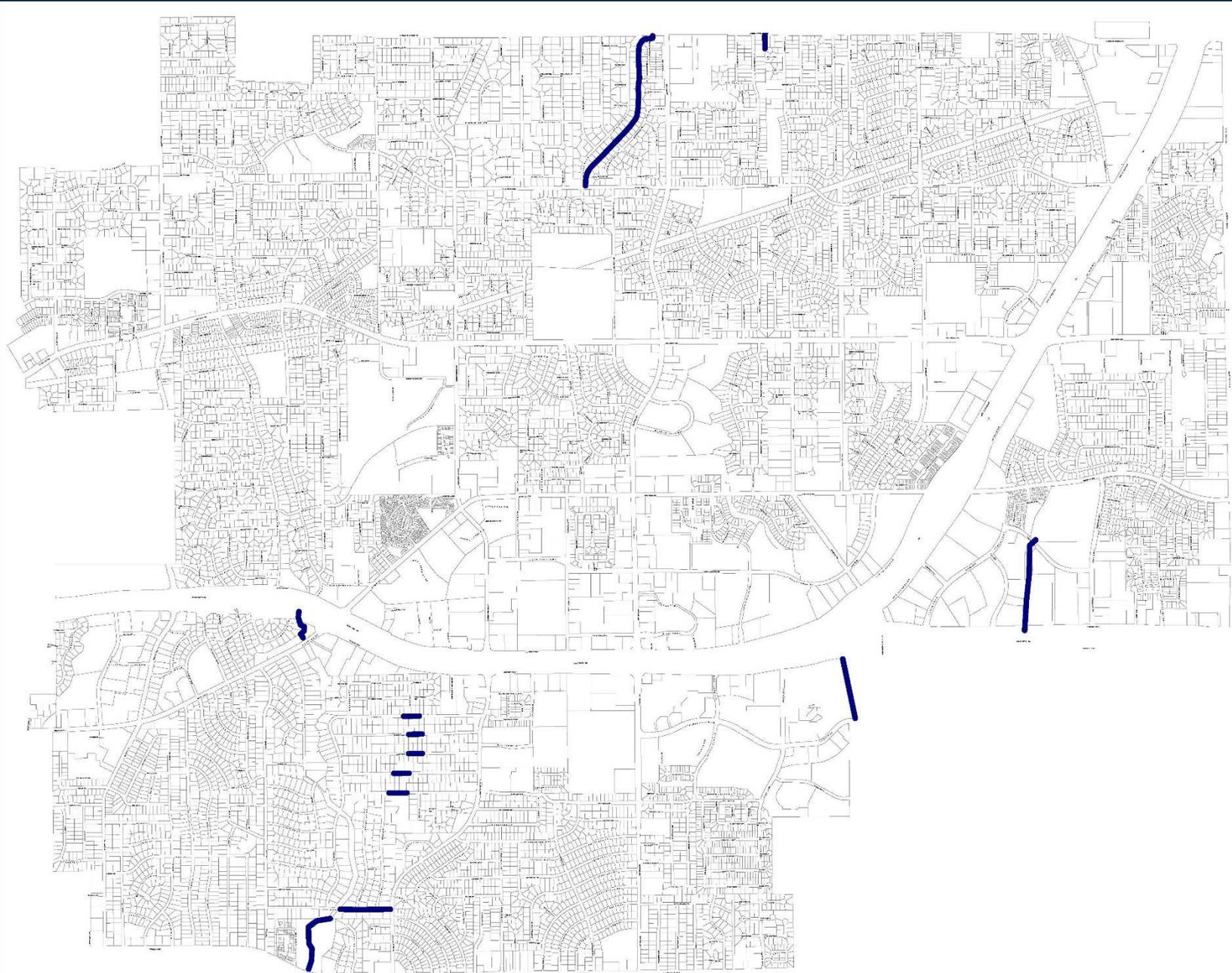
# Five Year Water CIP and 2021



# Five Year Sewer CIP and 2021



# Five Year Drainage CIP and 2021



# Necessary Items and Costs

## Necessary Operating Costs

<b>Fund Code</b>	<b>Account Number</b>	<b>Account Description</b>	<b>2021 Council Approved</b>	
227	8105	FUEL AND OIL	\$	10,000.00
227	8106	MINOR APPARATUS	\$	8,800.00
227	8130	SIGNS	\$	30,000.00
227	8205	MAINTENANCE SIDEWALKS AND CURBS	\$	23,000.00
	8208	MAINTENANCE STREETS AND HIGHWAYS	\$	88,500.00
227	8210	MAINTENANCE EQUIPMENT	\$	19,900.00
227	8212	MAINTENANCE MOTOR VEHICLES	\$	17,730.00
227	8224	MAINTENANCE TRAFFIC SIGNALS	\$	38,310.00
227	8310	CONTRACT LABOR	\$	829,380.00
227	8311	SOFTWARE	\$	10,000.00
227	8321	RENTALS	\$	11,000.00
227	8498	OPERATING TRANSFERS	\$	285,960.00
227	8499	CONTINGENCY	\$	60,000.00
		<b>Total</b>	<b>\$</b>	<b>1,432,580.00</b>

Operating Cost  
\$1,432,580.00

Left Over Funds  
\$1,638,500.00

# Definitions

***Mill & Overlay*** is a street maintenance technique that requires the removal of the top layer (2") of a street by the grinding action of a large milling machine. After the top layer is removed, a new layer of asphalt pavement is put in its place. Typically, there is very minor repairs are needed to the curb and gutter or subgrade. **Life Expectancy: 7-10 years**

***Full-depth reclamation (FDR)*** rebuilds worn out asphalt pavements by recycling the existing roadway. The old asphalt and base materials are pulverized, mixed with cement and water, and compacted to produce a strong, durable base for asphalt surface. This option is used to stretch construction dollars further by recycling some of the existing base and/or pavement, doing only a small amount of concrete work, and minimizing the amount of underground utility work that is done. **Life Expectancy: 10-15 years**

***Reconstruction*** is performed on streets for which both the pavement and base material is unusable and the pavement structure has failed. With reconstruction, the entire street (pavement and base) is removed and replaced. Typically, this includes replacement of curb and gutter, sidewalks, and driveway aprons (entrances). This usually includes underground utility work may be done as well. **Life Expectancy: 30+ years**

# Major Thoroughfare Cost Options

**FOREST RIDGE DR- Harwood to Cheek Sparger**

County- Mill & Overlay	\$	328,084.44
Contractor- Mill & Overlay	\$	459,318.22
Reconstruction	\$	4,663,716.00

**FOREST RIDGE DR- Bedford to Harwood**

County- Mill & Overlay	\$	228,126.33
Contractor- Mill & Overlay	\$	319,376.87
Reconstruction	\$	3,241,232.19

**BEDFORD RD- Central to 183**

County- Mill & Overlay	\$	409,357.34
Contractor- Mill & Overlay	\$	573,100.28
Reconstruction	\$	5,821,669.00

**BEDFORD RD- Brown Trail to Hurst City Limits**

County- Mill & Overlay	\$	162,124.56
Contractor- Mill & Overlay	\$	226,974.38
Reconstruction	\$	2,301,550.02

**BEDFORD RD- 183 to Somerset**

County- Mill & Overlay	\$	175,886.30
Contractor- Mill & Overlay	\$	246,240.82
Reconstruction	\$	2,497,488.84

**HARWOOD RD- Brown Trail to Forest Ridge**

County- Mill & Overlay	\$	500,961.99
Contractor- Mill & Overlay	\$	701,346.78
Reconstruction	\$	7,125,845.58

**HARWOOD RD- Brown Trail to Hurst City Limits**

County- Mill & Overlay	\$	220,501.65
Contractor- Mill & Overlay	\$	308,702.31
Reconstruction	\$	3,132,761.31

**BROWN TRAIL- Bedford Rd to Pipeline**

Reclamation	\$	2,291,040.00
Reconstruction	\$	3,383,806.60

## TOP 20 LOWEST PCI IN BEDFORD

<u>STREET NAME</u>	<u>ROUTE BACK</u>	<u>ROUTE AHEAD</u>	<u>PAVEMENT TYPE</u>	<u>SECTION AREA</u>	<u>TREATMENT</u>	<u>PCI</u>	<u>TREATMENT COST</u>
Spring Oaks Ct	Off of Post Oak Drive	CUL-DE-SAC	Asphalt	8,381.52	Reclamation	7.44	\$ 83,815.20
Hurst Dr	Brown Trail	Dora St	Asphalt	30,784.44	Reclamation	13.99	\$ 307,844.40
Cedar Ln	Morrow Dr	Oak Ln	Asphalt	9,107.84	Reclamation	15.14	\$ 91,078.40
Woodpark Ln	Cummings Dr	Barricades N of Berkshire	Asphalt	30,156.08	Reclamation	19.62	\$ 301,560.80
Lee Dr	Hurst Dr	King Dr	Asphalt	13,638.24	Reclamation	19.94	\$ 136,382.40
Ridge Ct	Off of Ridge Drive	CUL-DE-SAC	Asphalt	3,377.58	Reclamation	20.03	\$ 33,775.80
Taylor Dr	Brown Trail	Northridge	Asphalt	19,583.00	Reclamation	9.6	\$ 233,826.27
Briar Dr	Circle	Forest Ridge	Asphalt	59,360.00	Reconstruction	0.0	\$ 876,747.20
Emerald	Susan Ct	Teakwood	Asphalt	11,537.00	Reclamation	1.0	\$ 137,749.39
Lee Dr	Hurst Dr	King Dr	Asphalt	13,638.00	Reclamation	0.0	\$ 158,067.20
Plaza	Hurst City Limit	Brown Trail	Asphalt	7,051.00	Reclamation	0.8	\$ 84,188.45
Rankin	Wade	Forest Ridge	Asphalt	55,085.00	Reclamation	3.7	\$ 813,605.45
Shady Grove	Shady Ln	Shady Lake	Asphalt	43,621.00	Reclamation	1.2	\$ 505,803.36
Mossburg Dr	Circle	N of Storm Dr	Asphalt	17,007.00	Reclamation	6.7	\$ 209,183.64
Storm Ct	Mossburg	CUL-DE-SAC	Asphalt	2,706.00	Reclamation	0.0	\$ 31,362.08
Storm Ct	Stanton Dr	Storm Dr	Asphalt	9,404.00	Reclamation	1.0	\$ 108,989.00
Storm Dr	Mossburg	Stanton Dr	Asphalt	25,637.00	Reclamation	4.2	\$ 306,106.74
Robindale Dr	Wade	Martha Dr	Asphalt	20,092.00	Reclamation	0.0	\$ 232,865.82
Robindale Ct	Robindale Dr	CUL-DE-SAC	Asphalt	7,274.00	Reclamation	6.6	\$ 86,854.17
Field Stone Ct	Mossburg Dr	CUL-DE-SAC	Asphalt	2,598.00	Reclamation	0.0	\$ 30,108.40

**\$ 4,769,914.17**

# City of Bedford, Texas

## Certificates of Obligation – Repaid by 4B Sales Taxes Rates and Market Conditions as of 9/10/2020 + 0.50%

*Funds \$32,168,069 (All Reconstruction Projects)*

**25 Year Amortization - 2.89% - 2/01/21**

FYE	Principal	Interest	Total
30-Sep			
2021			
2022	\$ 260,000	\$ 1,586,875	1,846,875
2023	815,000	1,037,588	1,852,588
2024	835,000	1,008,713	1,843,713
2025	865,000	978,963	1,843,963
2026	895,000	948,163	1,843,163
2027	935,000	916,138	1,851,138
2028	965,000	882,888	1,847,888
2029	1,000,000	843,500	1,843,500
2030	1,050,000	797,375	1,847,375
2031	1,100,000	749,000	1,849,000
2032	1,150,000	698,375	1,848,375
2033	1,195,000	651,588	1,846,588
2034	1,240,000	608,975	1,848,975
2035	1,285,000	564,788	1,849,788
2036	1,330,000	519,025	1,849,025
2037	1,370,000	475,200	1,845,200
2038	1,415,000	433,425	1,848,425
2039	1,460,000	390,300	1,850,300
2040	1,505,000	345,825	1,850,825
2041	1,545,000	300,075	1,845,075
2042	1,595,000	250,981	1,845,981
2043	1,650,000	198,250	1,848,250
2044	1,705,000	143,731	1,848,731
2045	1,755,000	87,506	1,842,506
2046	1,815,000	29,494	1,844,494
	<b>\$ 30,735,000</b>	<b>\$ 15,446,738</b>	<b>\$ 46,181,738</b>

**Funds \$7,904,948 (Forest Ridge)**

**25 Year Amortization - 2.89% - 2/01/21**

FYE	Principal	Interest	Total
30-Sep 2021			
2022	\$ 65,000	\$ 390,100	455,100
2023	200,000	255,050	455,050
2024	205,000	247,963	452,963
2025	215,000	240,613	455,613
2026	220,000	233,000	453,000
2027	230,000	225,125	455,125
2028	235,000	216,988	451,988
2029	245,000	207,363	452,363
2030	260,000	196,000	456,000
2031	270,000	184,075	454,075
2032	285,000	171,588	456,588
2033	295,000	160,013	455,013
2034	305,000	149,513	454,513
2035	315,000	138,663	453,663
2036	325,000	127,463	452,463
2037	335,000	116,750	451,750
2038	350,000	106,475	456,475
2039	360,000	95,825	455,825
2040	370,000	84,875	454,875
2041	380,000	73,625	453,625
2042	390,000	61,588	451,588
2043	405,000	48,669	453,669
2044	420,000	35,263	455,263
2045	430,000	21,450	451,450
2046	445,000	7,231	452,231
	<b>\$ 7,555,000</b>	<b>\$ 3,795,263</b>	<b>\$ 11,350,263</b>

**Funds \$10,620,708 (Bedford Rd)**

**25 Year Amortization - 2.89% - 2/01/21**

FYE 30-Sep	Principal	Interest	Total
2021			
2022	\$ 85,000	\$ 523,850	608,850
2023	270,000	342,525	612,525
2024	275,000	332,988	607,988
2025	285,000	323,188	608,188
2026	295,000	313,038	608,038
2027	310,000	302,450	612,450
2028	320,000	291,425	611,425
2029	330,000	278,400	608,400
2030	345,000	263,213	608,213
2031	365,000	247,238	612,238
2032	380,000	230,475	610,475
2033	395,000	215,013	610,013
2034	410,000	200,925	610,925
2035	425,000	186,313	611,313
2036	440,000	171,175	611,175
2037	455,000	156,650	611,650
2038	465,000	142,850	607,850
2039	480,000	128,675	608,675
2040	495,000	114,050	609,050
2041	510,000	98,975	608,975
2042	525,000	82,794	607,794
2043	545,000	65,406	610,406
2044	560,000	47,450	607,450
2045	580,000	28,925	608,925
2046	600,000	9,750	609,750
	<b>\$ 10,145,000</b>	<b>\$ 5,097,738</b>	<b>\$ 15,242,738</b>

**Funds \$10,258,607 (Harwood Rd)**

**25 Year Amortization - 2.89% - 2/01/21**

FYE 30-Sep 2021	Principal	Interest	Total
2022	\$ 85,000	\$ 505,925	590,925
2023	260,000	330,750	590,750
2024	265,000	321,563	586,563
2025	275,000	312,113	587,113
2026	285,000	302,313	587,313
2027	295,000	292,163	587,163
2028	310,000	281,575	591,575
2029	320,000	268,950	588,950
2030	335,000	254,213	589,213
2031	350,000	238,800	588,800
2032	365,000	222,713	587,713
2033	380,000	207,850	587,850
2034	395,000	194,288	589,288
2035	410,000	180,200	590,200
2036	425,000	165,588	590,588
2037	435,000	151,625	586,625
2038	450,000	138,350	588,350
2039	465,000	124,625	589,625
2040	480,000	110,450	590,450
2041	495,000	95,825	590,825
2042	510,000	80,113	590,113
2043	525,000	63,294	588,294
2044	545,000	45,906	590,906
2045	560,000	27,950	587,950
2046	580,000	9,425	589,425
	<b>\$ 9,800,000</b>	<b>\$ 4,926,563</b>	<b>\$ 14,726,563</b>

**Funds \$3,383,807 (Brown Trail)**

**25 Year Amortization - 2.89% - 2/01/21**

FYE	Principal	Interest	Total
30-Sep 2021			
2022	\$ 25,000	\$ 167,000	192,000
2023	85,000	109,263	194,263
2024	90,000	106,200	196,200
2025	90,000	103,050	193,050
2026	95,000	99,813	194,813
2027	100,000	96,400	196,400
2028	100,000	92,900	192,900
2029	105,000	88,788	193,788
2030	110,000	83,950	193,950
2031	115,000	78,888	193,888
2032	120,000	73,600	193,600
2033	125,000	68,713	193,713
2034	130,000	64,250	194,250
2035	135,000	59,613	194,613
2036	140,000	54,800	194,800
2037	145,000	50,175	195,175
2038	150,000	45,750	195,750
2039	155,000	41,175	196,175
2040	160,000	36,450	196,450
2041	160,000	31,650	191,650
2042	170,000	26,488	196,488
2043	175,000	20,881	195,881
2044	180,000	15,113	195,113
2045	185,000	9,181	194,181
2046	190,000	3,088	193,088
	<b>\$ 3,235,000</b>	<b>\$ 1,627,175</b>	<b>\$ 4,862,175</b>

**Funds \$2,588,816 (Mill and Overlay)**

**10 Year Amortization - 1.85% - 2/01/21**

FYE	Principal	Interest	Total
30-Sep			
2021			
2022	\$ 160,000	\$ 133,400	293,400
2023	210,000	81,525	291,525
2024	220,000	74,000	294,000
2025	225,000	66,213	291,213
2026	235,000	58,163	293,163
2027	240,000	49,850	289,850
2028	250,000	41,275	291,275
2029	260,000	31,050	291,050
2030	275,000	19,013	294,013
2031	285,000	6,413	291,413
2032			
2033			
2034			
2035			
2036			
2037			
2038			
2039			
2040			
2041			
2042			
2043			
2044			
2045			
2046			
	<b>\$ 2,360,000</b>	<b>\$ 560,900</b>	<b>\$ 2,920,900</b>

**Funds \$4,769,914 (Reclamation)**

**15 Year Amortization - 2.37% - 2/01/21**

FYE	Principal	Interest	Total
30-Sep			
2021			
2022	\$ 145,000	\$ 244,100	389,100
2023	230,000	155,325	385,325
2024	240,000	147,100	387,100
2025	250,000	138,525	388,525
2026	260,000	129,600	389,600
2027	265,000	120,413	385,413
2028	275,000	110,963	385,963
2029	290,000	99,625	389,625
2030	300,000	86,350	386,350
2031	315,000	72,513	387,513
2032	330,000	58,000	388,000
2033	345,000	44,538	389,538
2034	355,000	32,288	387,288
2035	365,000	19,688	384,688
2036	380,000	6,650	386,650
2037			
2038			
2039			
2040			
2041			
2042			
2043			
2044			
2045			
2046			
	<b>\$ 4,345,000</b>	<b>\$ 1,465,675</b>	<b>\$ 5,810,675</b>

Where do we go from  
here?



# Agenda Background

**PRESENTER:** Kenneth Overstreet, Director of Public Works    **DATE:** 09/16/20

Staff Report

**ITEM:**

Discussion and consider approval of a policy for street light installation requests.

**DISCUSSION:**

There are funds allocated within the Street Improvement Economic Development Corporation (SIEDC) annual budget for the installation and retrofitting of street lights.

Bedford Public Works frequently receives citizen requests for installation of additional streetlights. The purpose of this policy is to establish standard protocol for addressing public requests for additional street lighting. Beyond the Subdivision Regulation for new residential and retail developments, there has never been a set policy when a request for a new street light is received. The attached proposed policy provides specific guidance on new street light installations in established areas.

**ATTACHMENTS:**

Policy for Street Light Installation Requests

City of Bedford



Public Works  
Department

POLICY FOR STREET LIGHT  
INSTALLATION REQUESTS

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**Purpose:** Bedford Public Works frequently receives citizen requests for installation of additional streetlights. The purpose of this policy is to establish standard protocol for addressing public requests for additional street lighting. Although security is a secondary benefit of street lighting, the primary purpose of street lighting is to provide a safe and visible path for the traveling public. All security/guard lights shall be coordinated and constructed by the property owner through private contract and all applicable permitting and construction standards shall apply.

**Development:** Current development regulations require the developer to fund and install all streetlights required in new commercial and residential developments. The City of Bedford Subdivision Regulations (Ordinance No. 2325) Section 5.12 “Street Lighting,” provides specific guidance on streetlight installation requirements in new residential and retail developments.

*A street lighting plan shall become an integral part of the engineering construction plans that will be reviewed and approved by the City Engineer and the Public Services Manager or his/her designee. The lighting to be installed will be the type currently in use by the City of Bedford, or an approved equal, as approved by the City Manager. Streetlights will be placed at each intersection and at mid-block if the block is over twelve-hundred feet (1,200') long. In no case shall the streetlights be placed farther than six-hundred feet (600') apart, or as directed by the City Engineer and the Public Services Director.*

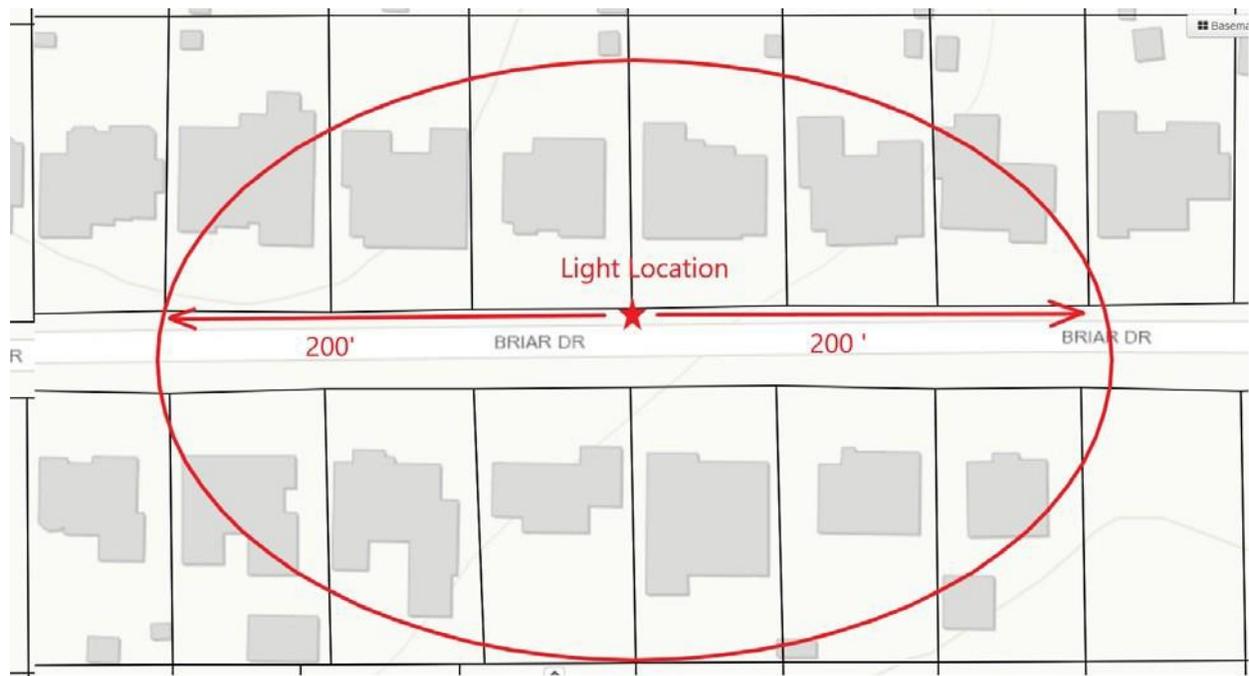
**Funding:** The City currently budgets the estimated amount of tariff costs based on the energy providers annual projections for streetlight energy requirements and operations. In addition, Public Works staff annually budgets twenty-thousand dollars (\$20,000) for addressing streetlight issues, such as retrofitting fixtures to high efficiency equipment or fixture installation if electricity is readily available.

Requested lights that meet the standards established in the City of Bedford Subdivision Regulations Ordinance and have appropriate facilities and locations available, will be installed at the City of Bedford’s expense. The cost of installing an additional streetlight can range from just under \$1,000 (with electric service available) to several thousand dollars if additional facilities and easements are required. All requests will be evaluated for efficacy and benefit and prioritized with all other lighting requests. If funds are available, Public Works staff will coordinate with the electricity provider to complete the installation.

All added streetlights will be constructed with the latest light emitter diode (LED) standard fixture and pole assembly. The requestor shall be required to pay any additional charges associated with upgraded poles or equipment.

**Street Light Requests:** All individual streetlight requests, where no lighting currently exists, will be initiated by the requestor with the completion and submittal of the attached Street Light Request form and accompanied by the required petition. Exclusion of any of the required information may result in delays or rejection of the request. The accompanying petition must be signed reflecting approval of a minimum of seventy-five percent (75%) of all property owners within two-hundred feet (200'), or considered within the area of influence of the proposed location of the requested light. Two-hundred feet (200') is typically three (3) houses on each side of the street in each direction, or a total of twelve houses.

EXAMPLE:



**City Review:** Public Works staff will review all submitted applications for accuracy and reconcile the proposed installation for compliance with the Subdivision Regulations Ordinance within thirty days (30 days) of receipt of completed application and petition. Any exception or delineation from the approved ordinance will be considered on a case-by-case basis with extenuating circumstances.

Once a review is complete and a determination is made, Public Works staff will notify the requestor of the determination and proceed with coordination of the installation, await additional information from the requestor, or the request will be considered closed if there is a failure to meet identified thresholds.



# Street Light Request Form

Please complete all fields in the form to assist Public Works staff in the assessment of your request. No additional street lights will be installed for the sole purpose of increased security.

Date Submitted: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Please provide a detailed description of the requested location.

Address: \_\_\_\_\_

Location description:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Notes:

- Please attach a map or drawing of the proposed location with addresses and required, completed petition form.
- Return completed form to:  
City of Bedford Public Works  
Attn: Street Light Program  
1813 Reliance Parkway  
Bedford, TX 76021

or email to: [David.Smyth@bedfordtx.gov](mailto:David.Smyth@bedfordtx.gov)

