

RESOLUTION NO. R-165-19

**A RESOLUTION APPROVING AND AUTHORIZING  
IMPLEMENTATION OF THE FIVE YEAR (2020-2024)  
SALES TAX PROGRAM FOR STREETS, BRIDGES  
AND ASSOCIATED DRAINAGE IMPROVEMENTS**

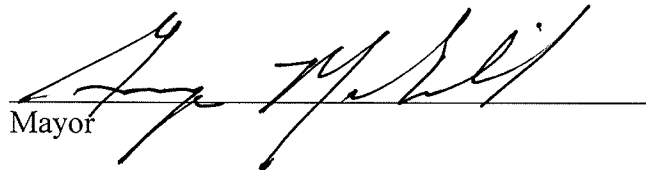
BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CITY OF FORT SMITH, ARKANSAS THAT:

SECTION 1: The Five Year (2020-2024) Sales Tax Program for Streets, Bridges and Associated Drainage Improvements as identified and specified in the attachment hereto is hereby approved.

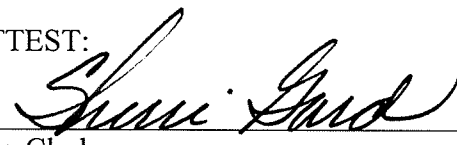
SECTION 2: The staff is directed to proceed with implementation of the 2020 Sales Tax Program.

This Resolution adopted this 5<sup>th</sup> day of November, 2019.

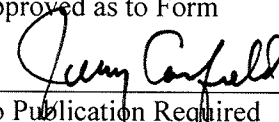
APPROVED:

  
\_\_\_\_\_  
Mayor

ATTEST:

  
\_\_\_\_\_  
City Clerk

Approved as to Form

  
\_\_\_\_\_  
No Publication Required

**CITY OF FORT SMITH**

10/10/19

**Five-Year Capital Improvement Program for Streets, Bridges and Drainage (2019-2023)**

		2019	2020	2021	2022	2023	2024
	<b>Beginning Balance</b>	35,709,306	30,582,238	9,986,583	3,259,267	3,532,927	5,309,574
	Current Year Revenues						
	Sales Tax	21,822,520	22,040,745	22,261,153	22,483,764	22,708,602	22,935,688
	Grants/Other Participation	278,072	0	0	0	0	0
	<b>Total - Current Year Revenues</b>	<b>22,100,592</b>	<b>22,040,745</b>	<b>22,261,153</b>	<b>22,483,764</b>	<b>22,708,602</b>	<b>22,935,688</b>
	<b>Total Funds Available</b>	<b>57,809,898</b>	<b>52,622,983</b>	<b>32,247,736</b>	<b>25,743,031</b>	<b>26,241,529</b>	<b>28,245,262</b>
1	Street Overlays & Reconstruction	11,500,671	9,978,682	10,000,000	10,000,000	10,000,000	10,000,000
2	Neighborhood Drainage Improvements	5,490,429	10,680,170	7,400,000	4,000,000	4,000,000	4,000,000
3	Downtown Traffic and Truck Route	103,000	100,000	0	0	0	0
4	Intersection and Signal Improvements	3,450,303	944,000	440,000	440,000	440,000	440,000
5	Kelley Highway Extension to Riverfront Drive	100,000	500,000	600,000	2,000,000	2,500,000	9,000,000
6	Towson Avenue - Garrison to Zero Street	0	200,000	0	1,800,000	0	0
7	Geran Road Reconstruction	245,500	3,500,000	3,000,000	0	0	0
8	Zero Street (Hwy 255) Widening	480,000	4,320,000	0	0	0	0
9	Levee/Floodwall Items	50,000	950,000	0	0	0	0
10	Major Stormdrain Rehabilitation	0	4,000,000	0	0	0	0
11	FCRA Development	1,485,200	3,961,500	500,000	500,000	500,000	500,000
12	Flooded Residence Buyout Program	38,436	250,000	250,000	250,000	250,000	250,000
13	Hwy 45 widening - Zero St to Hwy 71	400,000	0	3,600,000	0	0	0
14	Railroad Crossing Panels	300,000	225,000	225,000	225,000	225,000	225,000
15	Traffic Studies	1,000	10,000	10,000	10,000	10,000	10,000
16	Update City Aerial Imagery - 3" pixels	0	75,000	0	0	0	0
17	Street Micro-surfacing	827,351	0	0	0	0	0
18	Street/Drainage by Street Operations Dept.	350,000	500,000	500,000	500,000	500,000	500,000
19	Contingency	284,929	300,000	300,000	300,000	300,000	300,000
	<b>Subtotal Expenditures</b>	<b>25,106,820</b>	<b>40,494,352</b>	<b>26,825,000</b>	<b>20,025,000</b>	<b>18,725,000</b>	<b>25,225,000</b>
20	Indirect and Operating Costs	2,120,840	2,142,048	2,163,469	2,185,104	2,206,955	2,229,024
	<b>Total Expenditures</b>	<b>27,227,660</b>	<b>42,636,400</b>	<b>28,988,469</b>	<b>22,210,104</b>	<b>20,931,955</b>	<b>27,454,024</b>
	<b>Ending Balance</b>	<b>30,582,238</b>	<b>9,986,583</b>	<b>3,259,267</b>	<b>3,532,927</b>	<b>5,309,574</b>	<b>791,238</b>

**Grants/Other Participation**

FCRA	278,072	0	0	0	0	0
<b>TOTAL</b>	<b>278,072</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Five Year Capital Improvement Program (2020-2024)  
Streets, Bridges and Drainage Sales Tax Funds**

**Descriptions of Selected Projects  
September 26, 2019**

**1. Street Overlays and Reconstruction.** The total length of streets proposed to be improved is approximately 6.8 miles as shown on the attached list and exhibits. The estimated cost for the 2020 street overlays and reconstruction projects totals \$10.0 million, with an estimated \$1.0 mil expended in 2020 and \$9.0 mil expended in 2021. The total cost shown in 2020 is \$10.0 million which includes \$9.0 million in remaining construction for the 2019 projects. (See pages 5-9)

**2. Neighborhood Drainage Improvements.** The projects identified in the 2020 drainage program include drainage improvements in six areas shown on the attached list and exhibits. These projects are associated with structure flooding and infrastructure damage that occurred during the heavy rains this past year. The total estimated cost for this work is \$4.0 million, with an estimated \$400,000 expended in 2020 and \$3.6 million expended in 2021. The total cost shown in 2020 is \$10.7 million which includes \$10.3 million in remaining work for ongoing drainage projects. (See pages 10-11)

**3. Downtown Traffic and Truck Route Study.** This project is based on the recommendations from the Propelling Downtown Forward Plan to study traffic in the downtown area and evaluate alternatives to mitigate the truck traffic. This ongoing study also includes an evaluation of the recommendations from the Propelling Downtown Forward Plan to implement two-way street conversions (North A, B, 10<sup>th</sup> and 11<sup>th</sup> Streets). For 2020, \$100,000 is budgeted to rework the left turn phasing for the traffic signal at the intersection of 5<sup>th</sup> and Garrison along with some possible intersection radius improvements. This study is expected to be completed by the end of the year and recommendations from this study will be used to determine any future traffic/truck route improvements in the downtown area.

**4. Intersection and Signal Improvements.** This project includes replacement of traffic signals at the intersection of Midland Avenue at Riverfront Drive and the intersection of Wheeler Avenue at Fresno Street at an estimated cost of \$440,000. (See page 12) This item also includes the installation of battery backup at 84 traffic signals at various locations across the city. We currently have battery backup at 69 of the city's 153 traffic signals. During power outages the battery backup will allow the signal to remain fully operational for two hours then allow for flash operation for another two hours before turning off. The estimated cost for the battery backup is \$6,000 per intersection for a total cost of \$504,000.

**5. Kelley Highway Extension to Riverfront Drive.** This project is for the reconstruction and widening of Kelley Highway to a three lane section from Midland Boulevard to Riverfront Drive.

This extension of Kelley Highway will provide a direct route between I-540 and the riverfront area. The engineering design is approximately 95% complete. Right of Way acquisition and franchise utility relocations are scheduled to begin in 2020 with completion in 2021. Construction is scheduled to begin in 2022. (See page 13)

**6. Towson Avenue – Garrison Avenue to Zero Street.** This proposed partnering project with ArDOT includes the complete rehabilitation of the approximately four mile section of Towson Avenue (Hwy 71B) between Garrison Avenue (Hwy 64) and Zero Street (Hwy 255). The project will include upgrading of the drainage system to current standards, replacement of the curb/guttering and driveway approaches, installation of sidewalks and pavement improvements to the street surface. The estimated total cost of this project is \$12.5 million and the city's share will be 16% of the project costs, up to a maximum amount of \$2.0 million. Construction is estimated to begin in 2022. Upon completion of the work, this section of Hwy 71 B (Towson Avenue) will be removed from ArDOT's highway system and will become a city street. (See page 14)

**7. Geren Road Reconstruction.** This project is the reconstruction and widening of Geren Road to a three lane section between Highway 45 and 58<sup>th</sup> Street. Plans are complete and right of way acquisition is nearly complete. This project has significant utility adjustments which include a major electric transmission line along the south side, a high pressure gas line along the north side and fiber optic lines throughout the corridor. Relocation of the gas facilities are complete. Pending acquisition of the remaining right of way tracts, construction is expected to begin in early 2020. (See page 15)

**8. Zero Street (Hwy 255) Improvements.** This partnering project with ArDOT includes the widening to a five lane section of Zero Street (Hwy 255) from just west of Massard Road to its new alignment with Frontier Road. The project is being cost shared with ArDOT, the City of Barling, the Fort Chaffee Redevelopment and the City of Fort Smith. The City's share is \$4.8 million. ArDOT expects construction to begin in 2020. (See page 16)

**9. Levee/Floodwall Items.** This project includes the installation of rip rap along approximately 1600 feet of eroding river bank adjacent to the City's "Rice Carden" levee. With the major flooding on the Arkansas River, this river bank has experienced significant erosion and needs to be stabilization before the erosion encroaches to the toe of the levee. (See pages 17-18) The project also includes minor joint repairs to six locations along the City's floodwall. These six areas experienced leakage during the Arkansas River flooding earlier this year.

**10. Major Stormdrain Rehabilitation.** This work includes the installation of a cured in place lining in two major storm sewer lines. Both lines are very deep and have a significant problem of leaking pipe joints which have created numerous sink holes. The first line (Carnall Outfall) varies in size from 60" to 72", averages 20 feet deep and extends 3000 feet from Towson Avenue to the Poteau River. This line runs immediately adjacent to the police department, county jail and under

a significant portion of the National Cemetery. (See page 19). The second line is 54” in diameter, averages 20 feet in depth and extends 1000’ from the J Street pump station to the Arkansas River adjacent to the U.S. Marshals Museum. (See page 20).

**11. FCRA (Fort Chaffee Redevelopment Authority) Development.** This work includes construction of two additional lanes on Massard Road, completing approximately 5,600 feet of the four lane boulevard section south of Zero Street. The project also includes the installation of a traffic signal at the intersection of Massard Road and McClure Drive. The construction contract has been approved and the work is estimated to be completed in late summer of 2020. (See page 21)

**12. Flooded Residence Buyout Program.** While this proposed program is the result of extensive evaluations of the flooding issues on the May Branch and Town Branch drainage basins, the intent is that the buyout program would apply city wide. The proposed program would be used to purchase residential properties that have experienced structure flooding and the cost of the residence/property is less than the cost of public drainage improvements to reduce the flooding. This proposed voluntary buyout program was reviewed and approved by the Street and Drainage Capital Improvement Advisory committee including a recommendation to set aside an annual amount of \$250,000 to allow for the purchase of flooded residences. The buyout program would apply to residential structure flooding from a city maintained drainage way, easement, street, or right of way. Examples of non-qualifying flood events include structure flooding where the flood source is from neighboring properties, a hillside, groundwater seepage, or the Arkansas River. A proposed Flooded Residence Buyout Program policy will be presented to the Board of Directors for review in early 2020.

**13. Highway 45 widening – Hwy 255 to Hwy 71.** This partnering project with ArDOT is for the widening of Highway 45 between Highway 255 (Zero Street) and Highway 71. The project also includes the installation of traffic signals at the intersections of Highway 45 with Planters Road and Geren Road. This project is a collaboration between the ArDOT, the City of Fort Smith and Sebastian County. ArDOT’s cost estimate for the total project is \$16 million. The City and Sebastian County are providing funding in total amounts not to exceed \$4.0 million and \$1.1 million, respectively. ArDOT estimates the construction to begin in 2022. (See page 22)

**14. Railroad Crossing Panels.** This project improves street crossings at railroads through the installation of concrete railroad crossing panels. For 2020, improvements at three railroad crossings are proposed on Roberts Boulevard, west of Taylor Avenue. (See page 23)

**16. Update Aerial Mapping.** This project consists of aerial survey services for the Fort Smith city limits and the extra territorial jurisdictional area south of the city, comprising a total area of 95 square miles. The project includes preparing high quality aerial digital photos which are utilized extensively on street and drainage projects.

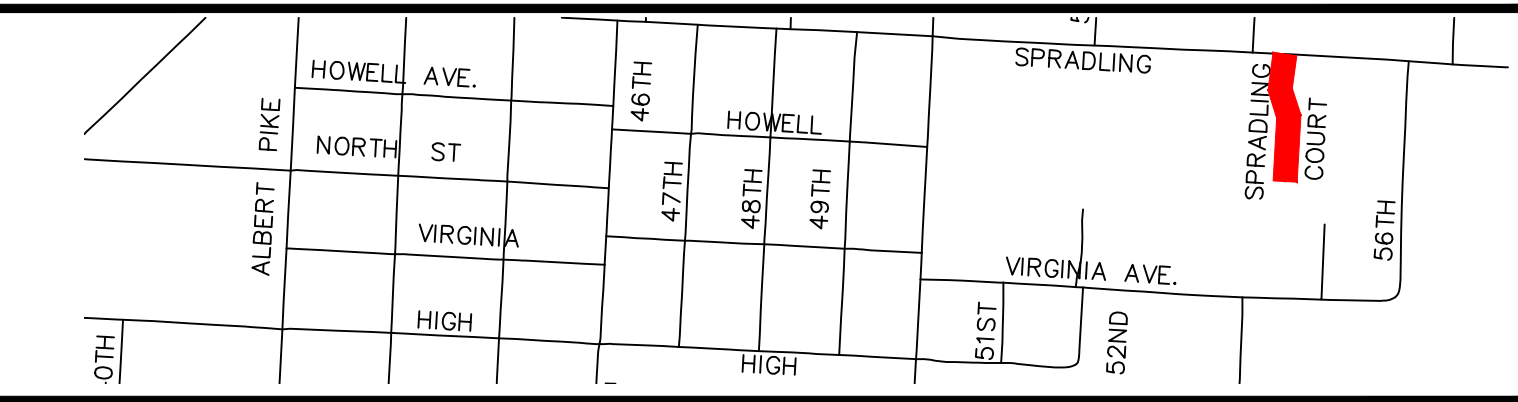
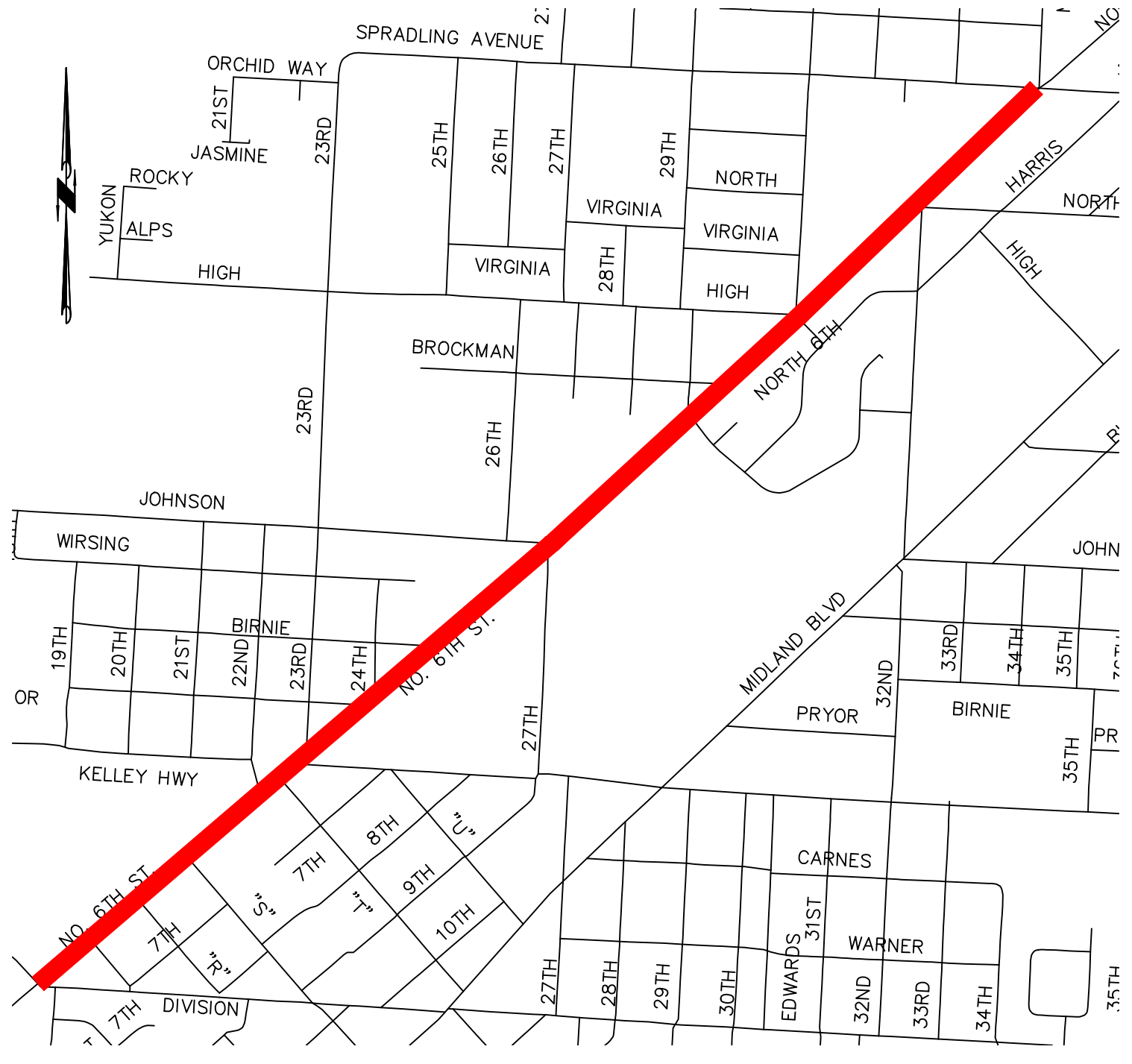
**20. Indirect and Operating Costs.** This item includes indirect and operating costs associated with the implementation of the street and drainage sales tax capital improvement program. This includes costs encountered by City Engineering, Information and Technology Systems, Finance, Planning and Zoning, City Administration, Human Resources, Purchasing, Internal Audit, Collections, City Clerk, Board of Directors and the Accounting Systems / ERP.

**Grants/Other Participation**

This amount of \$278,072 is reimbursement from the Fort Chaffee Redevelopment Authority (FCRA) for half of the resurfacing costs of Wells Lake Road that was completed in 2019.

**2020 CAPITAL IMPROVEMENTS PROGRAM  
STREET OVERLAY/RECONSTRUCTION PROJECTS**

STREET	FROM	TO	LENGTH	COST
N 6TH ST.	DIVISION ST.	SPRADLING AVE.	7,700	\$ 2,310,000
SPRADLING CT.	SPRADLING AVE.	END OF ROAD	530	\$ 100,111
GRAND AVE.	N 16TH ST.	N 32ND ST.	4,075	\$ 2,232,194
SWEET AVE.	ROGERS AVE.	BARRY AVE.	970	\$ 183,222
BARRY AVE.	N GREENWOOD AVE.	SWEET AVE.	1,105	\$ 187,850
N O ST.	N 12TH ST.	N ALBERT PIKE AVE.	7,510	\$ 1,773,194
SOUTH R CR.	S 46TH ST.	END OF ROAD	530	\$ 135,150
S P ST.	S 22ND ST.	S 23RD ST.	475	\$ 85,236
S 22ND ST.	S P ST.	S Q ST.	535	\$ 85,897
S 36TH ST.	SOUTH O ST.	WICKLOW DR.	1,050	\$ 178,500
S 17TH ST.	SOUTH Q ST.	SOUTH S ST.	700	\$ 119,000
FRESNO ST.	TOWSON AVE.	JENNY LIND RD.	2,700	\$ 586,500
SHADOW BRANCH LN.	PAINTER LN.	END OF ROAD	1,120	\$ 285,600
97TH ST.	SHADOW BRANCH LN	END OF ROAD	364	\$ 92,820
98TH ST.	SHADOW BRANCH LN	END OF ROAD	415	\$ 105,825
CRUCE HILL DR.	S 25TH ST.	CLIFF DR.	469	\$ 119,595
S 25TH ST.	JACKSON ST.	END OF ROAD	830	\$ 188,133
JACOBS AVE.	HWY 271	JENNY LIND PL.	2,400	\$ 453,333
S 5TH ST.	FRESNO ST.	END OF ROAD	1,562	\$ 560,584
EAST POINTE DR.	END OF ROAD	PAINTER LN.	967	\$ 246,585
<b>TOTAL LENGTH (FT)</b>			36,007	
<b>TOTAL LENGTH (MILES)</b>			6.82	
<b>TOTAL FOR 2020 STREET OVERLAYS/RECONSTRUCTION PROGRAM</b>				<b>\$ 10,029,332</b>



2020 CAPITAL IMPROVEMENTS PROGRAM  
STREET IMPROVEMENTS



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Date:	AUG 2020
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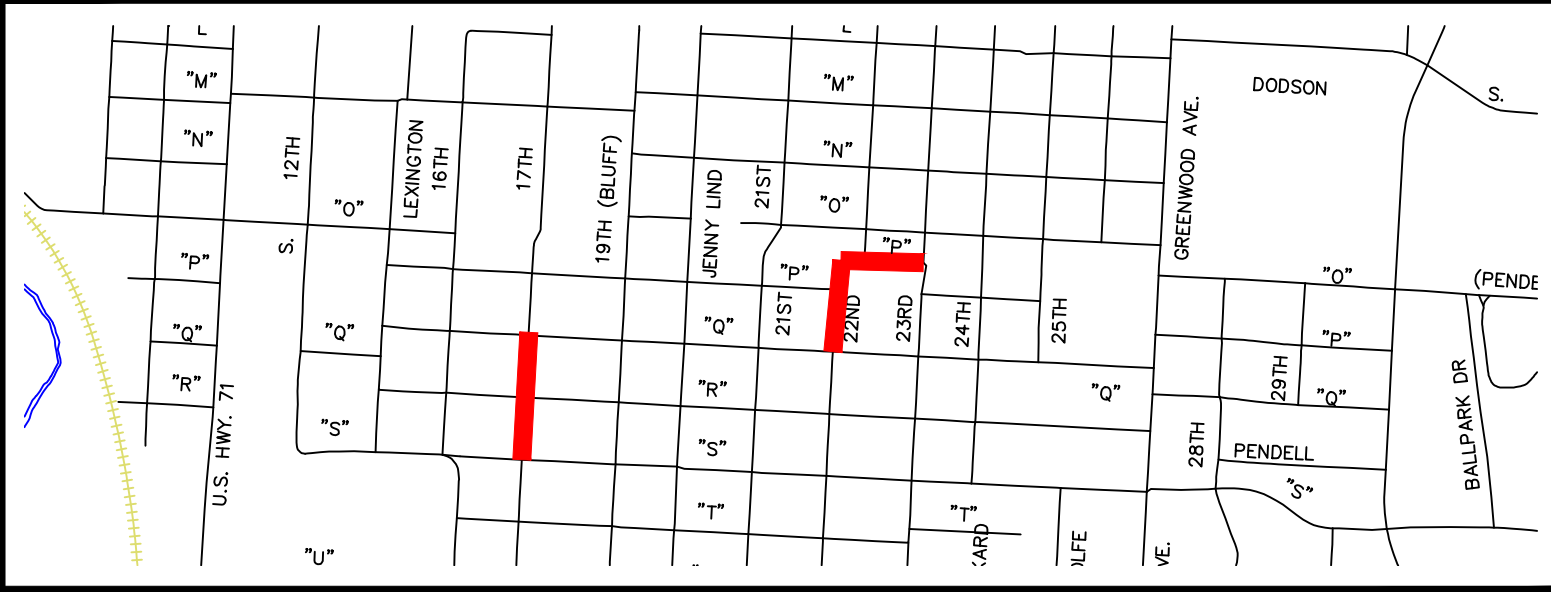
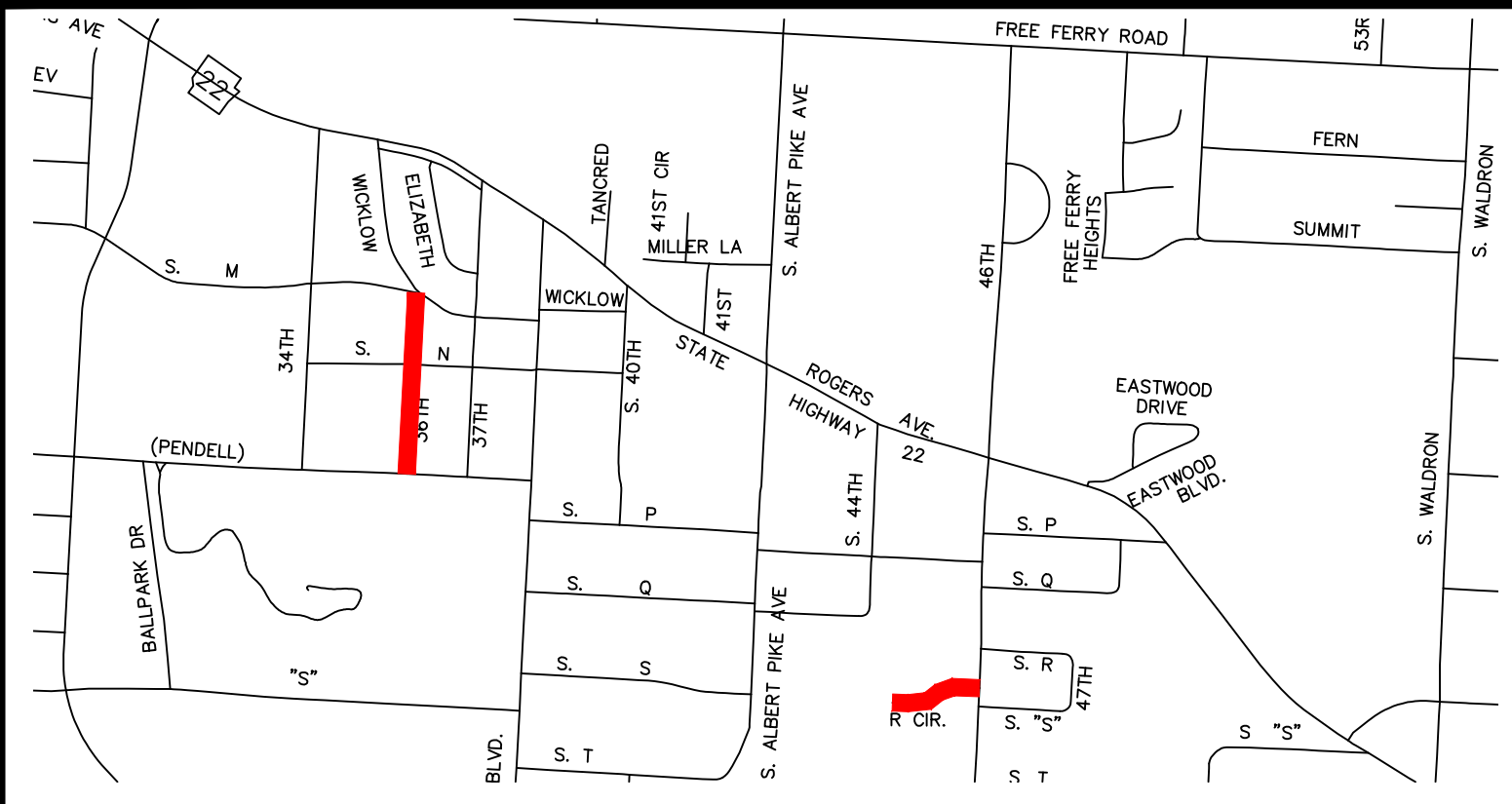
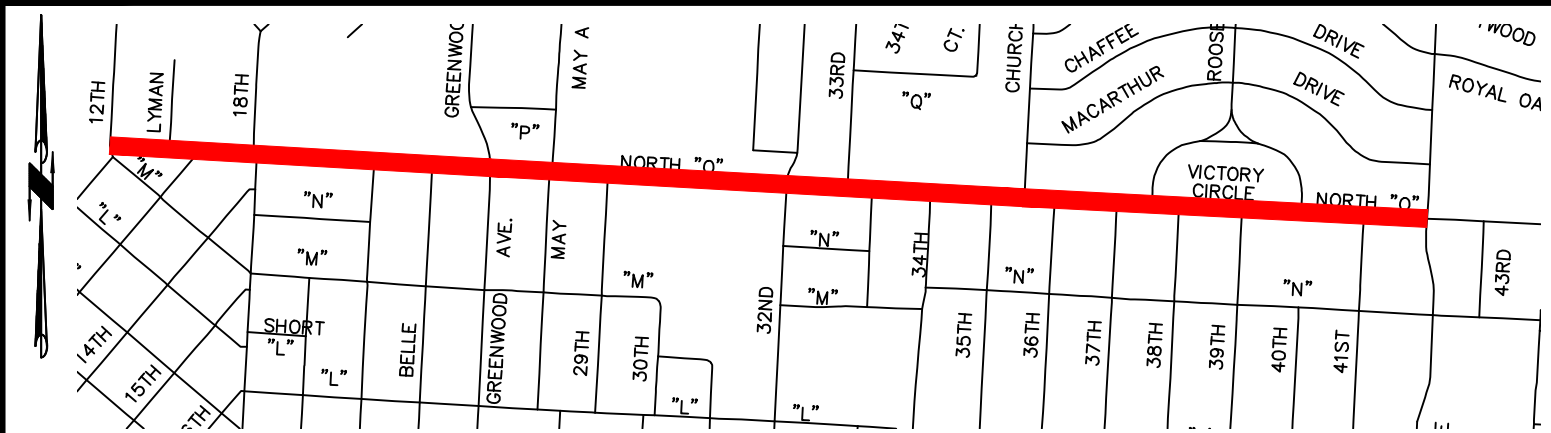




2020 CAPITAL IMPROVEMENTS PROGRAM  
STREET IMPROVEMENTS



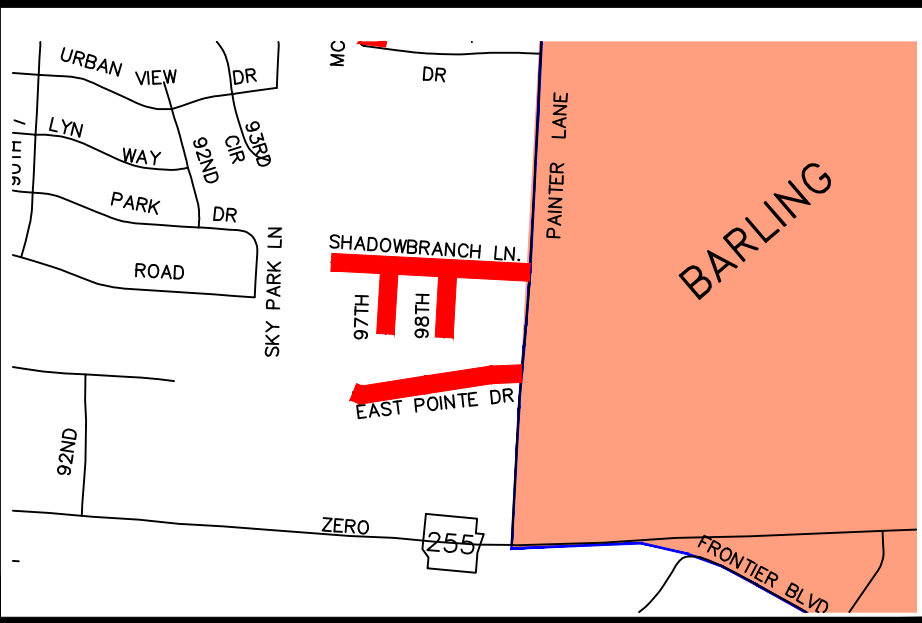
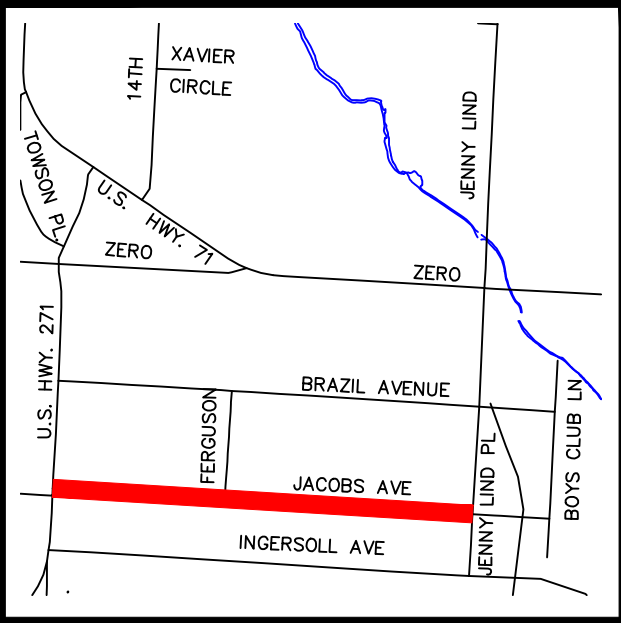
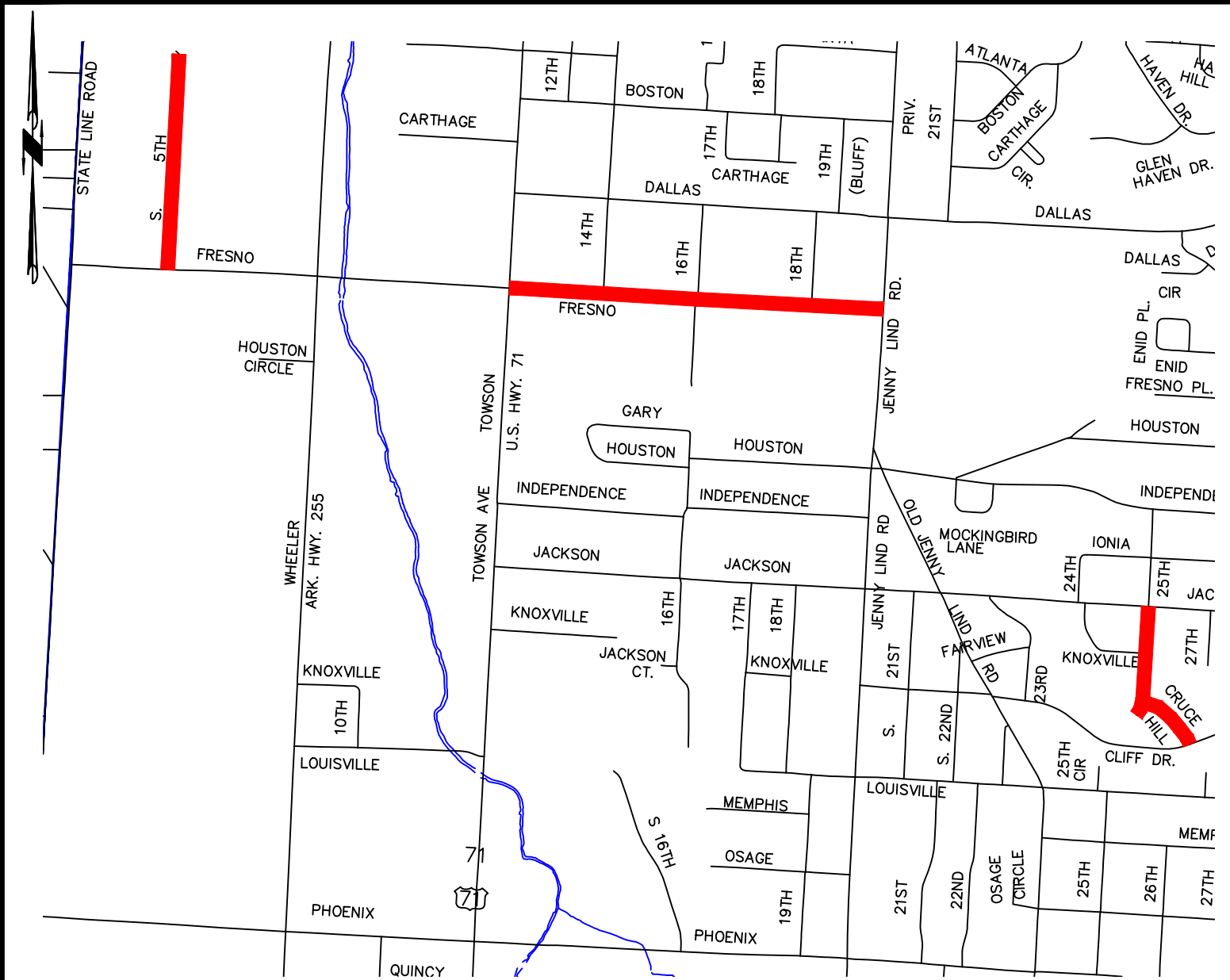
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2020 CAPITAL IMPROVEMENTS PROGRAM  
STREET IMPROVEMENTS



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2020 CAPITAL IMPROVEMENTS PROGRAM  
STREET IMPROVEMENTS

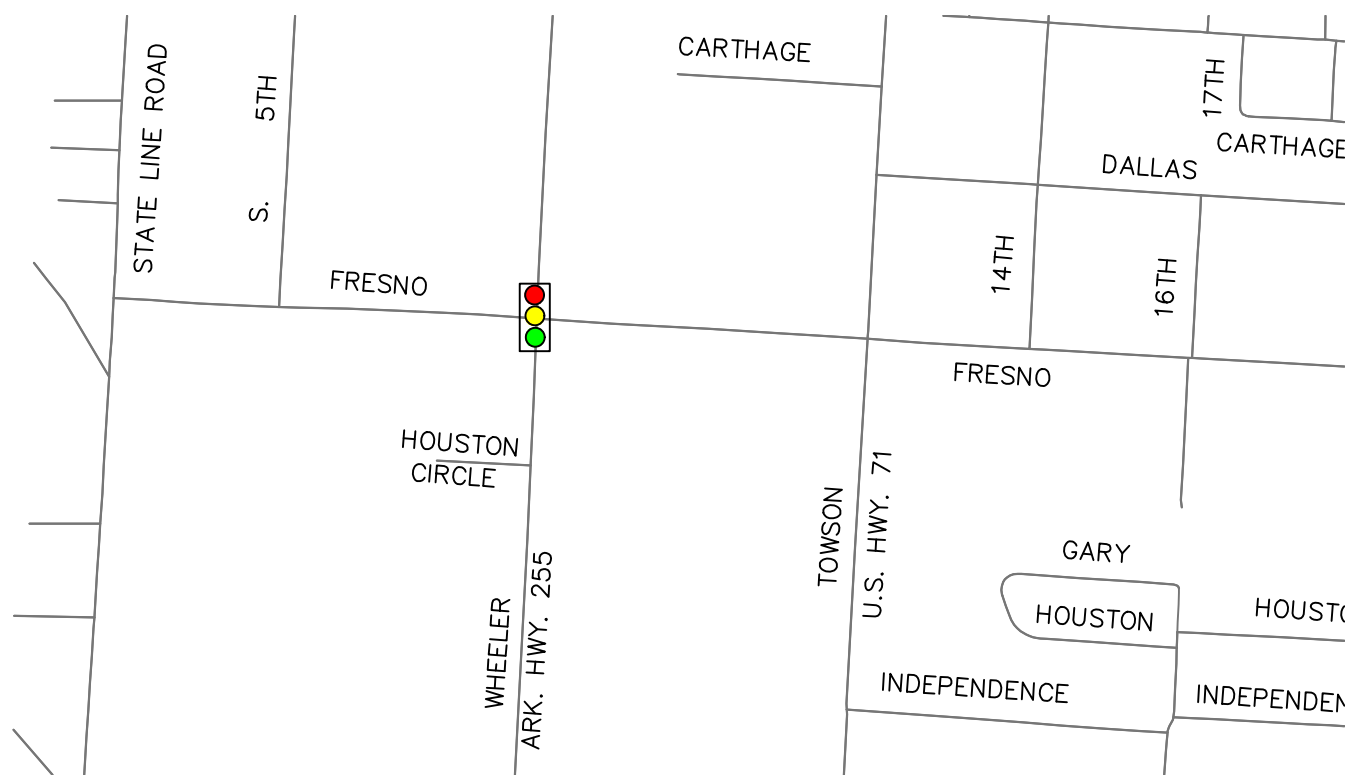
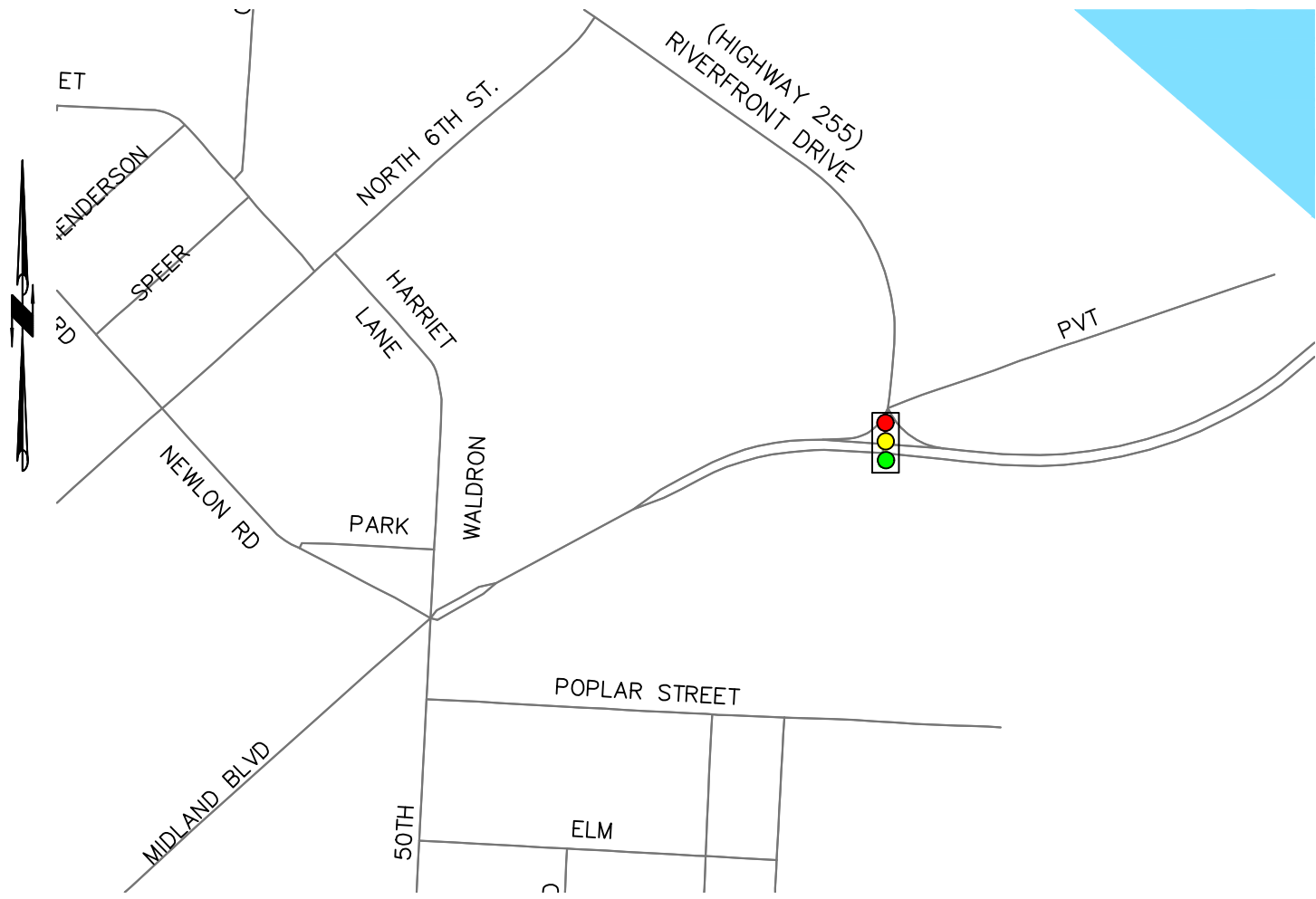


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## 2020 Neighborhood Drainage Projects

Location	Estimated Cost
<b>4900 Block of Grand Avenue</b> This project will construct approximately 600 feet of concrete box culvert along the west side of the UAFS parking lot. The existing concrete/earthen channel is undersized and experienced significant damage/undermining during the heavy rains this past year. (See page 11)	<b>\$1,200,000</b>
<b>700 Block of Candlestick Circle</b> This project will install a drainage channel, storm drain, and trench drain to intercept and redirect runoff. Three houses are experiencing flooding and severe yard flooding is also occurring. (See page 11)	<b>\$360,000</b>
<b>9800 Block of Brooken Hill Drive</b> This project will add an additional box culvert under the street and replace 1000 feet of rock channel extending to I-540. Hazardous street overtopping is occurring at this location and there are maintenance issues with the rocks washing into the existing box culvert. (See page 11)	<b>\$600,000</b>
<b>7100 Block of South T Street</b> This project will continue storm drain from South T Street to the north. The existing 24" storm drain outfalls to a 12" storm drain causing flooding and blockage issues. This project also includes the resurfacing of South 71st Street and South S Circle. One house is experiencing flooding in this area. (See page 11)	<b>\$1,000,000</b>
<b>5200 Block of Moody Drive</b> This project will install a trench drain, replace undersized driveway culverts, regrade existing ditches, and add earthen berms to intercept and redirect runoff. Two houses are experiencing flooding in this area and severe yard flooding is also occurring. (See page 11)	<b>\$200,000</b>
<b>2100 Block of South 88th Street</b> This project will install a drainage channel to intercept runoff and replace an undersized corrugated metal storm drain. Three houses are experiencing flooding in this area, severe yard flooding is occurring and the bottom of the corrugated metal pipe is rusting through. (See page 11)	<b>\$640,000</b>
<b>Total</b>	<b>\$4,000,000</b>

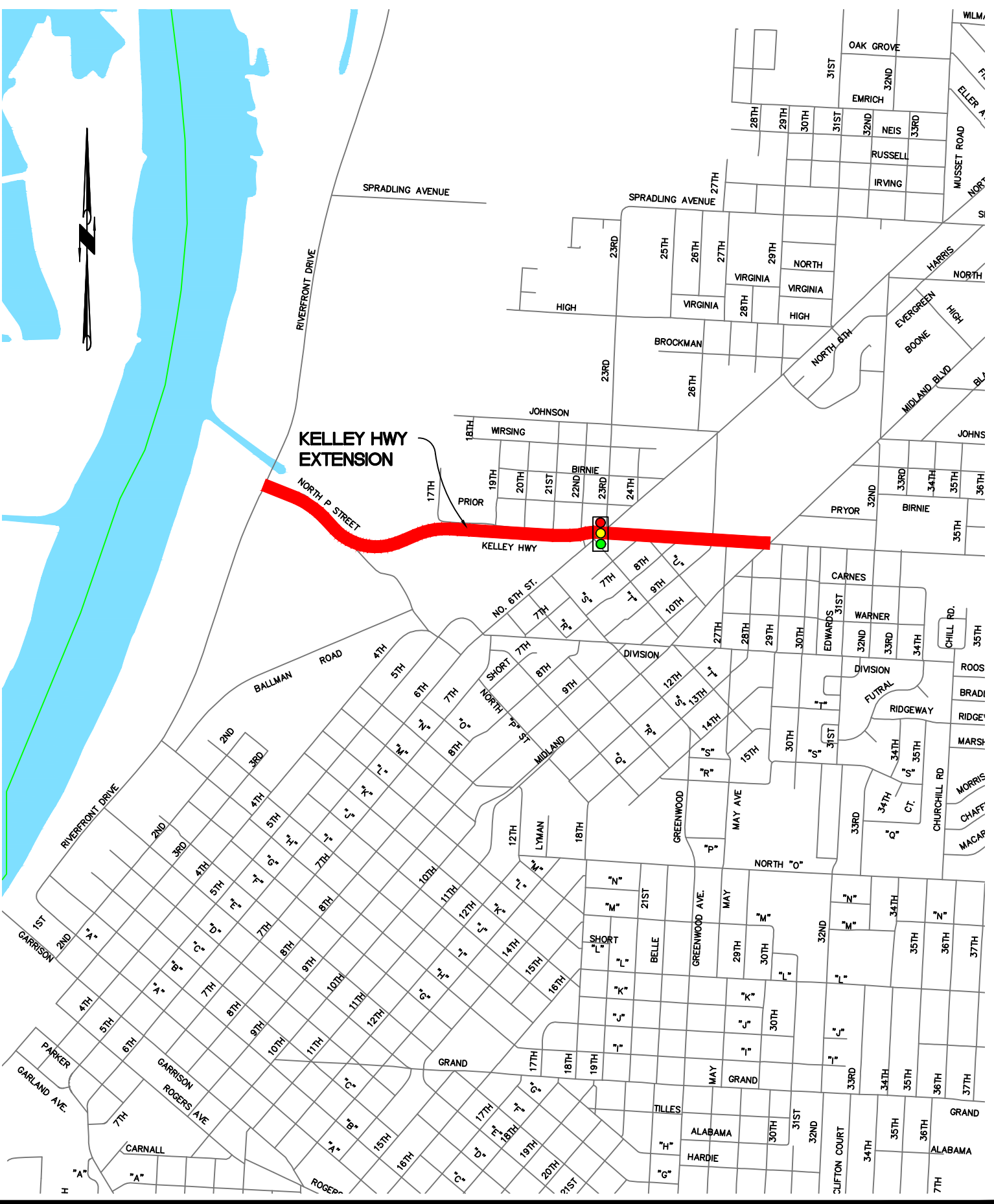




2020 CAPITAL IMPROVEMENTS PROGRAM  
SIGNAL IMPROVEMENTS



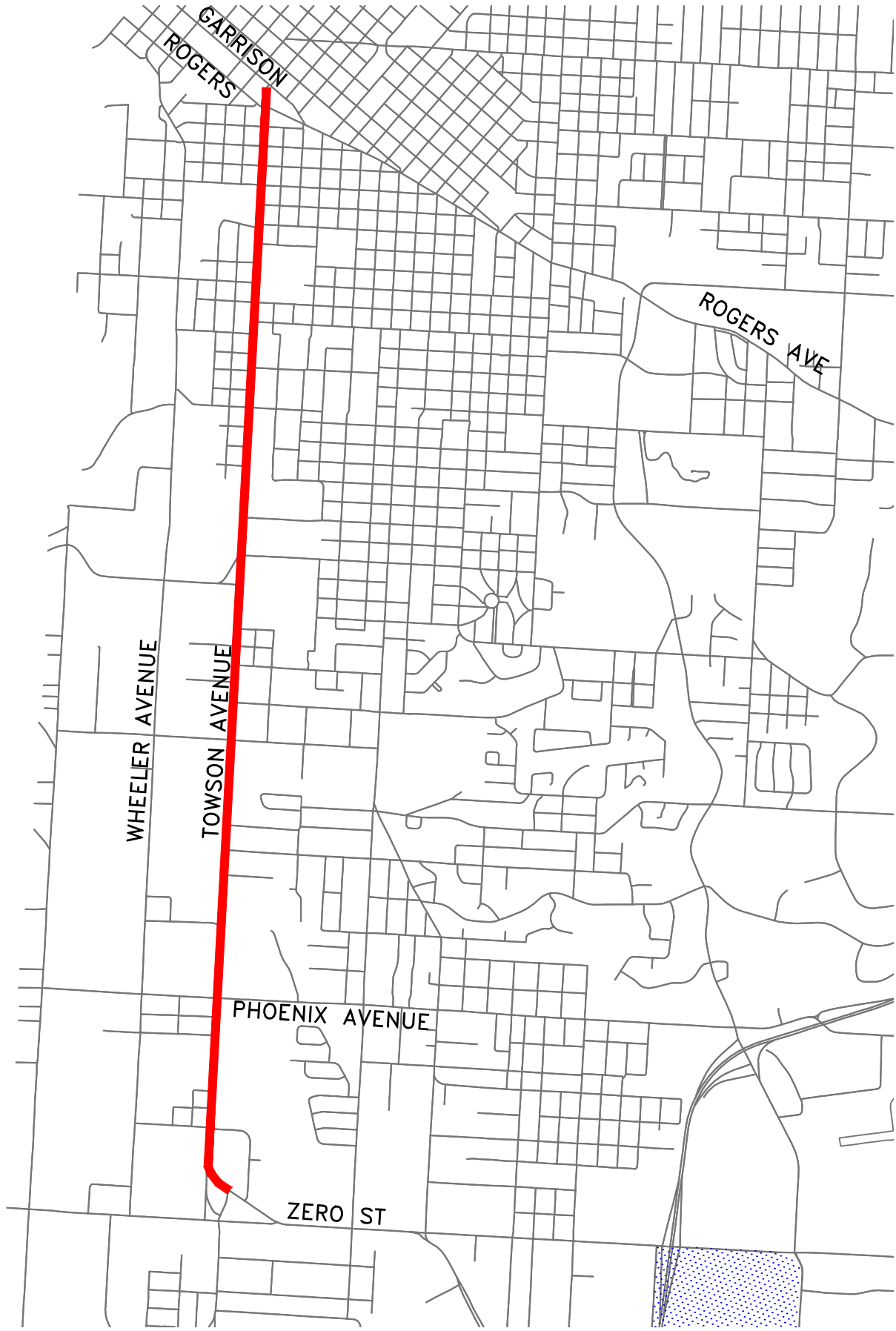
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2020 CAPITAL IMPROVEMENTS PROGRAM  
 KELLEY HWY EXTENSION



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2020 CAPITAL IMPROVEMENTS PROGRAM  
TOWSON AVENUE



Project:	
Date:	Sept. 2019
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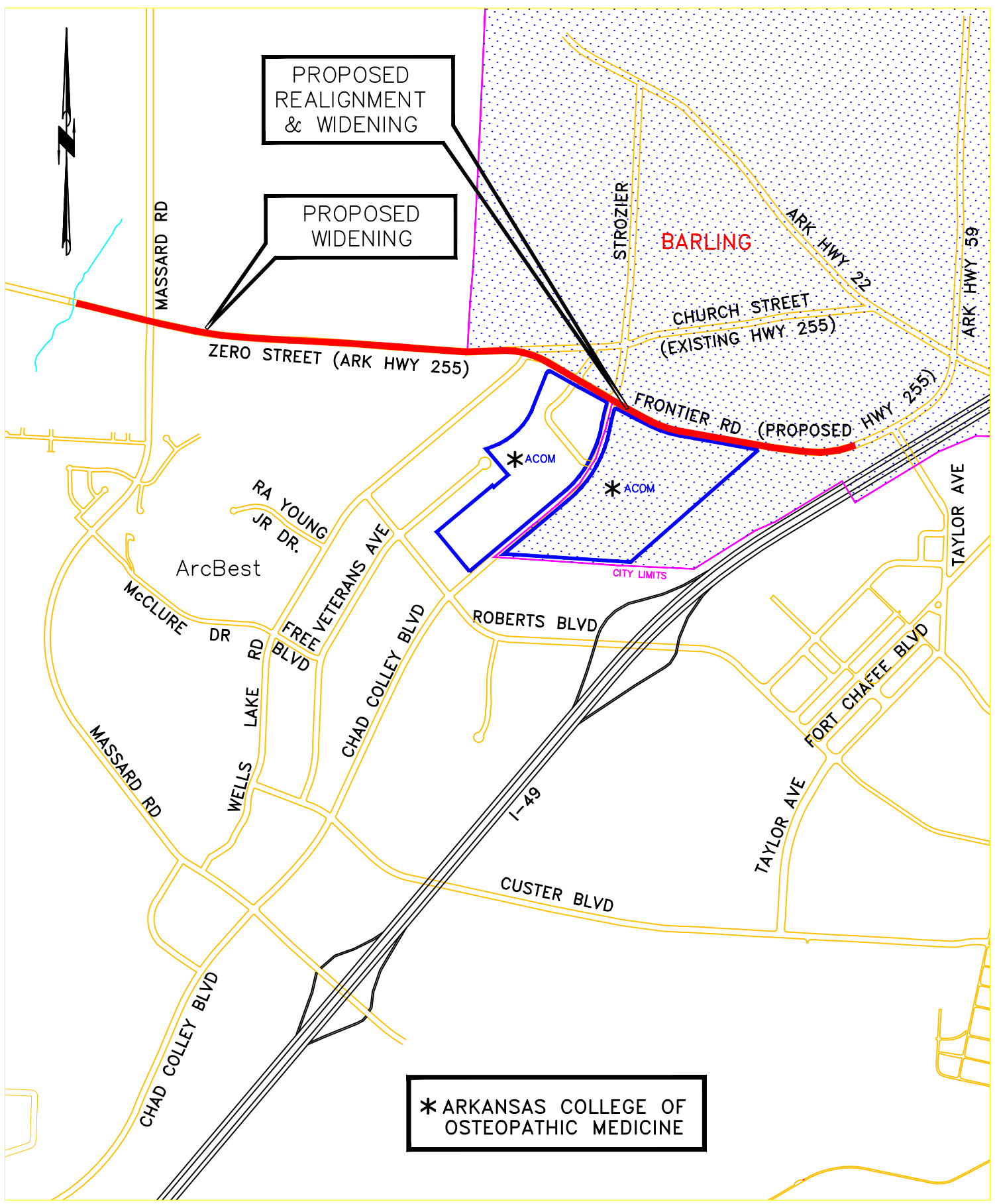


2020 CAPITAL IMPROVEMENTS PROGRAM  
GEREN RD RECONSTRUCTION



Project:		
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\* ARKANSAS COLLEGE OF  
OSTEOPATHIC MEDICINE

2020 CAPITAL IMPROVEMENTS PROGRAM  
ZERO STREET (ARK HWY 255)



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RIVER BANK STABILIZATION

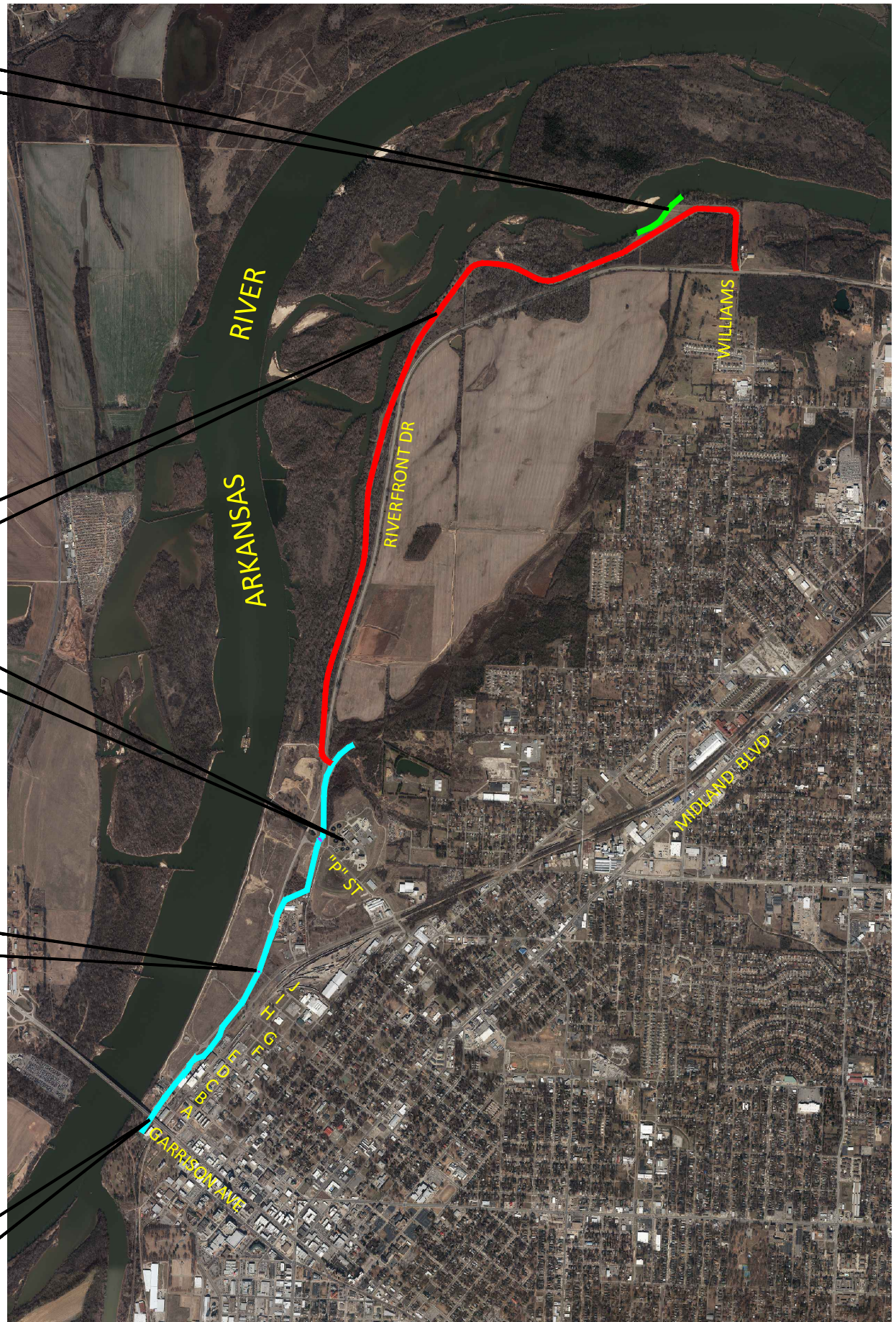


RICE CARDEN LEVEL

"P" STREET PUMP STATION

"J" STREET PUMP STATION

FORT SMITH LEVEL AND FLOODWALL



FORT SMITH  
LEVEE & FLOODWALL SYSTEM  
FORT SMITH, ARKANSAS



Project:

Date: SEPT 2019

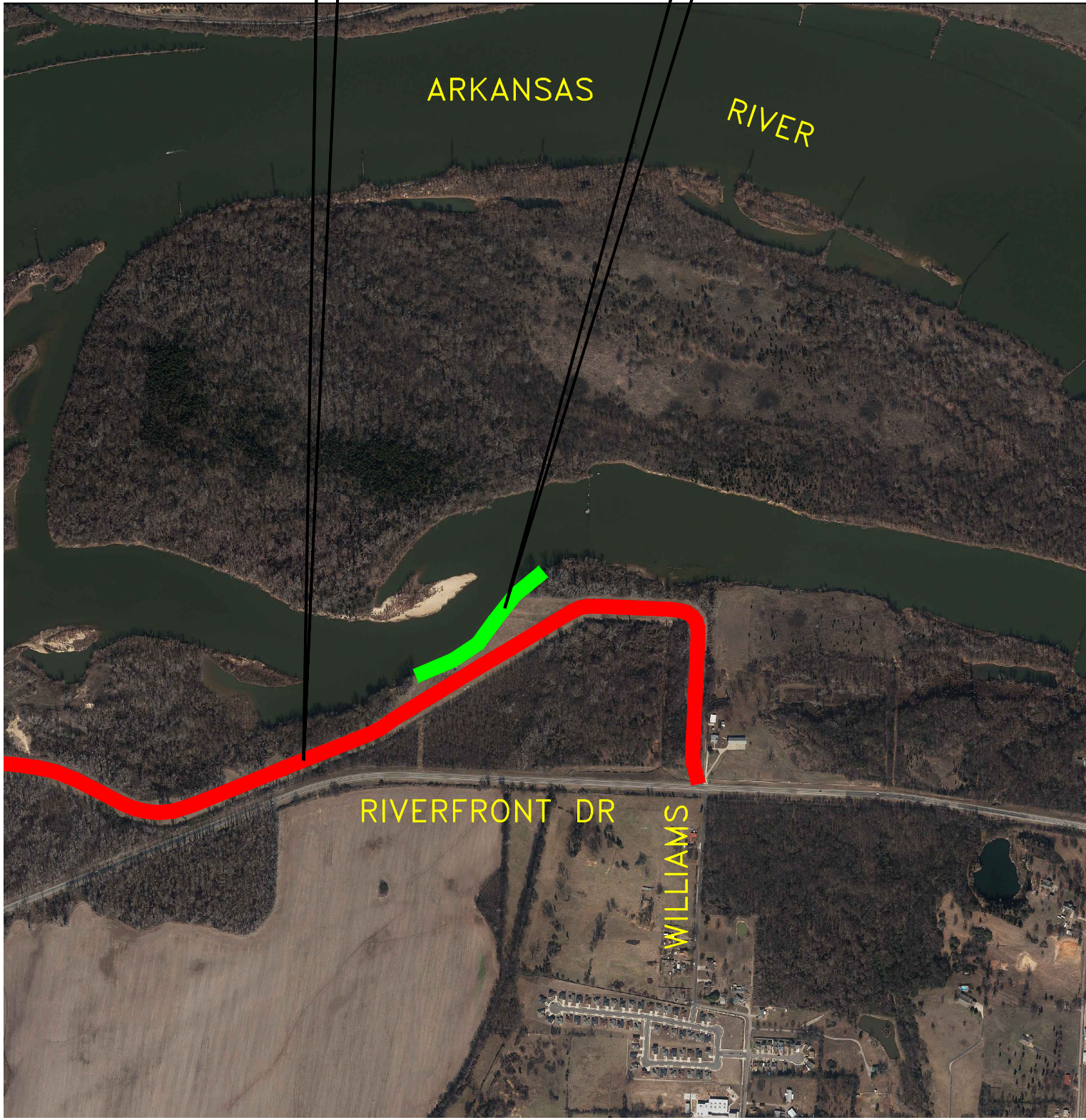
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RICE  
CARDEN  
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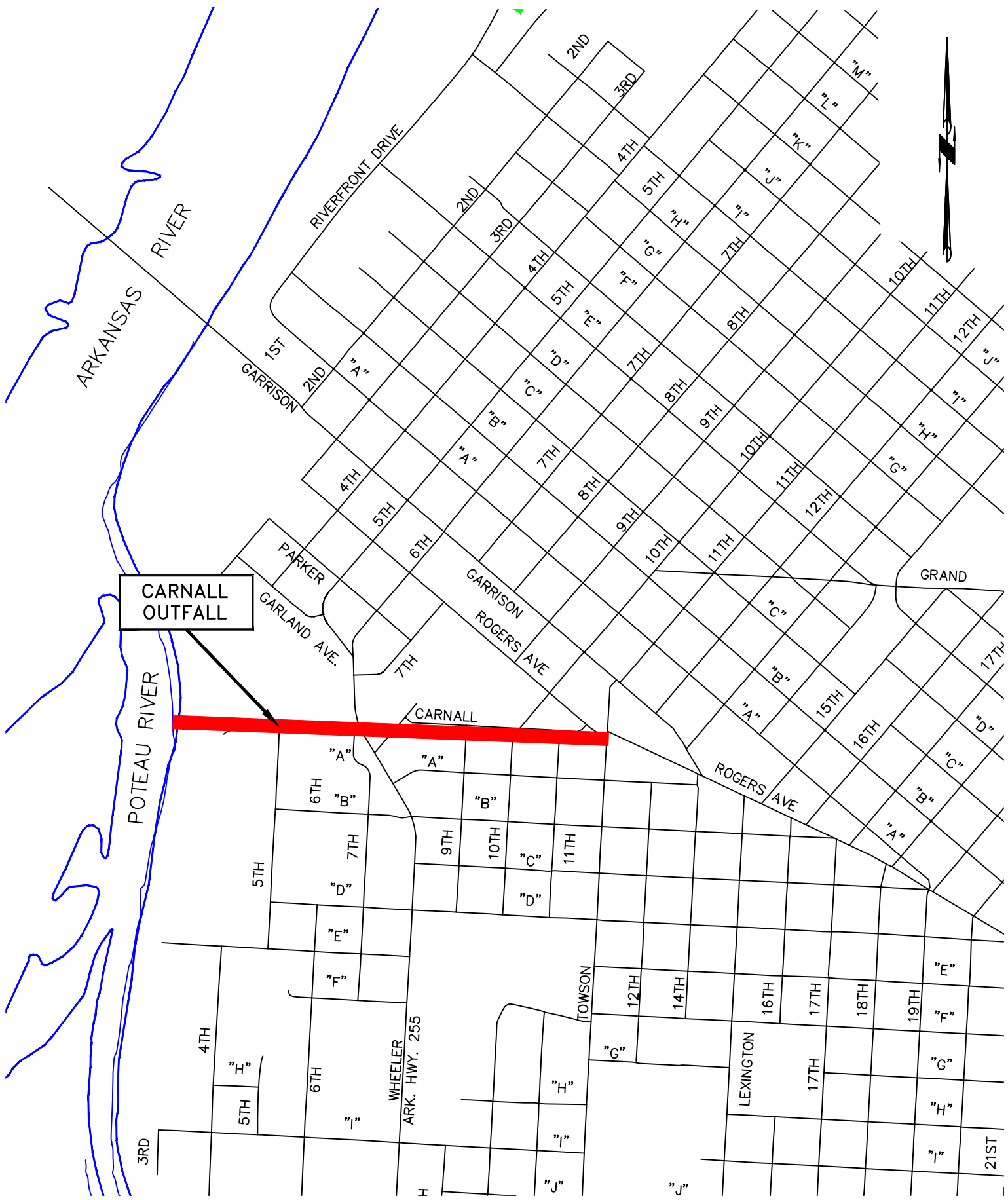
APPROXIMATE AREA  
OF RIVER BANK  
STABILIZATION (1600')



FORT SMITH  
RIVER BANK STABILIZATION  
FORT SMITH, ARKANSAS



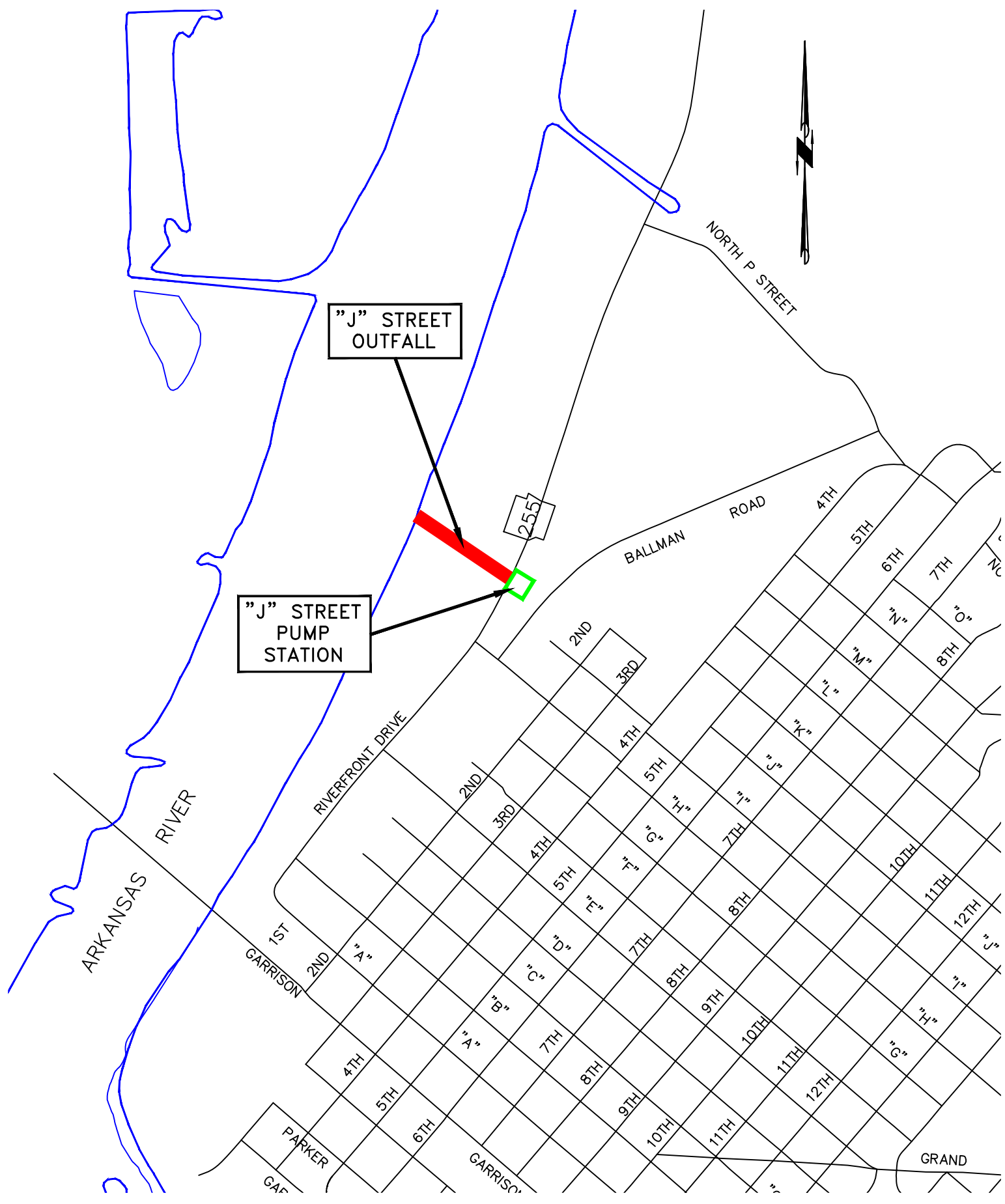
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2020 CAPITAL IMPROVEMENTS PROGRAM  
 CARNALL OUTFALL LINE  
 STORMDRAIN REHABILITATION



Project:	
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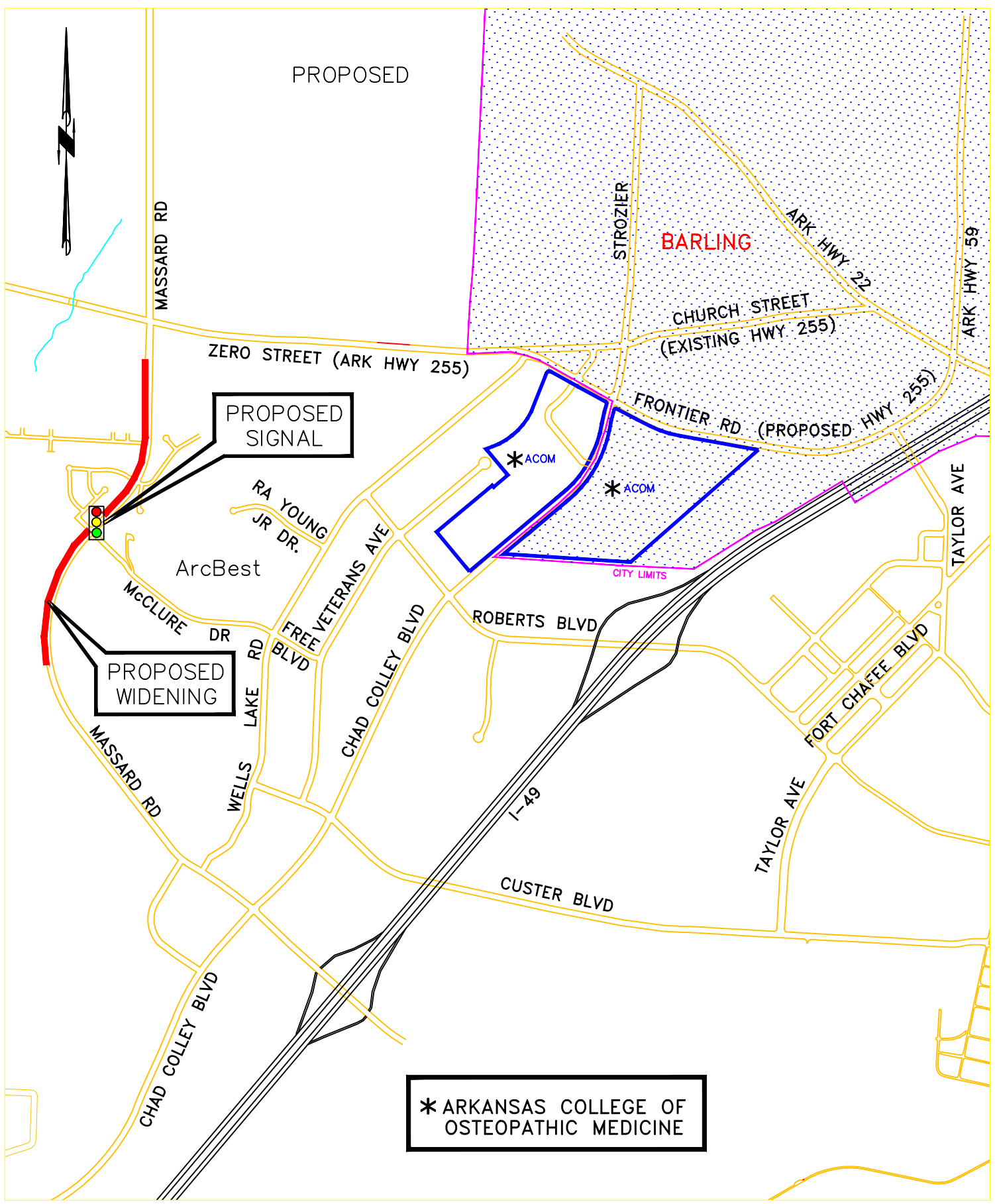


2020 CAPITAL IMPROVEMENTS PROGRAM  
 "J" STREET OUTFALL LINE  
 STORMDRAIN REHABILITATION



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\* ARKANSAS COLLEGE OF  
OSTEOPATHIC MEDICINE

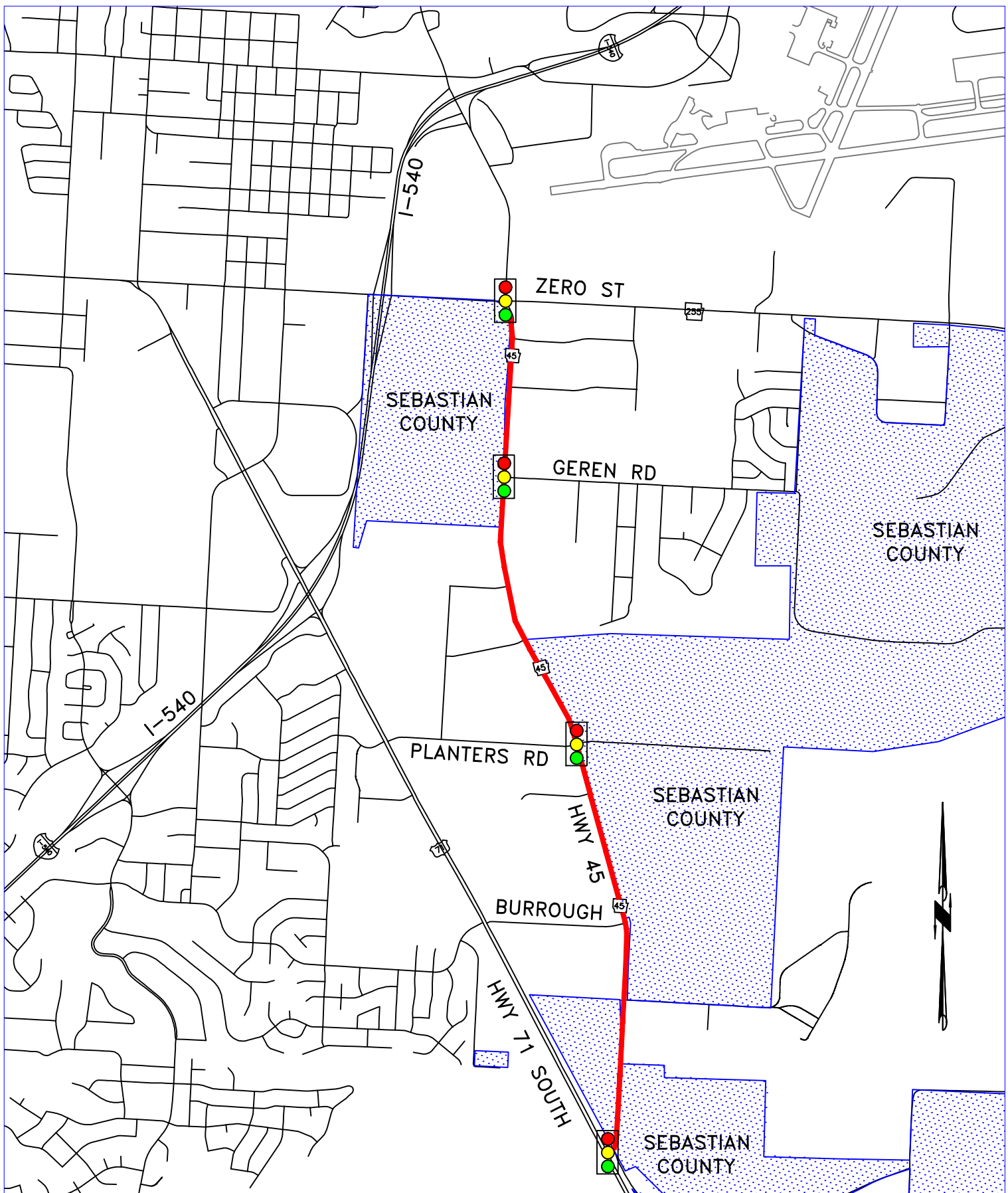
2020 CAPITAL IMPROVEMENTS PROGRAM  
MASSARD ROAD WIDENING



Project:	
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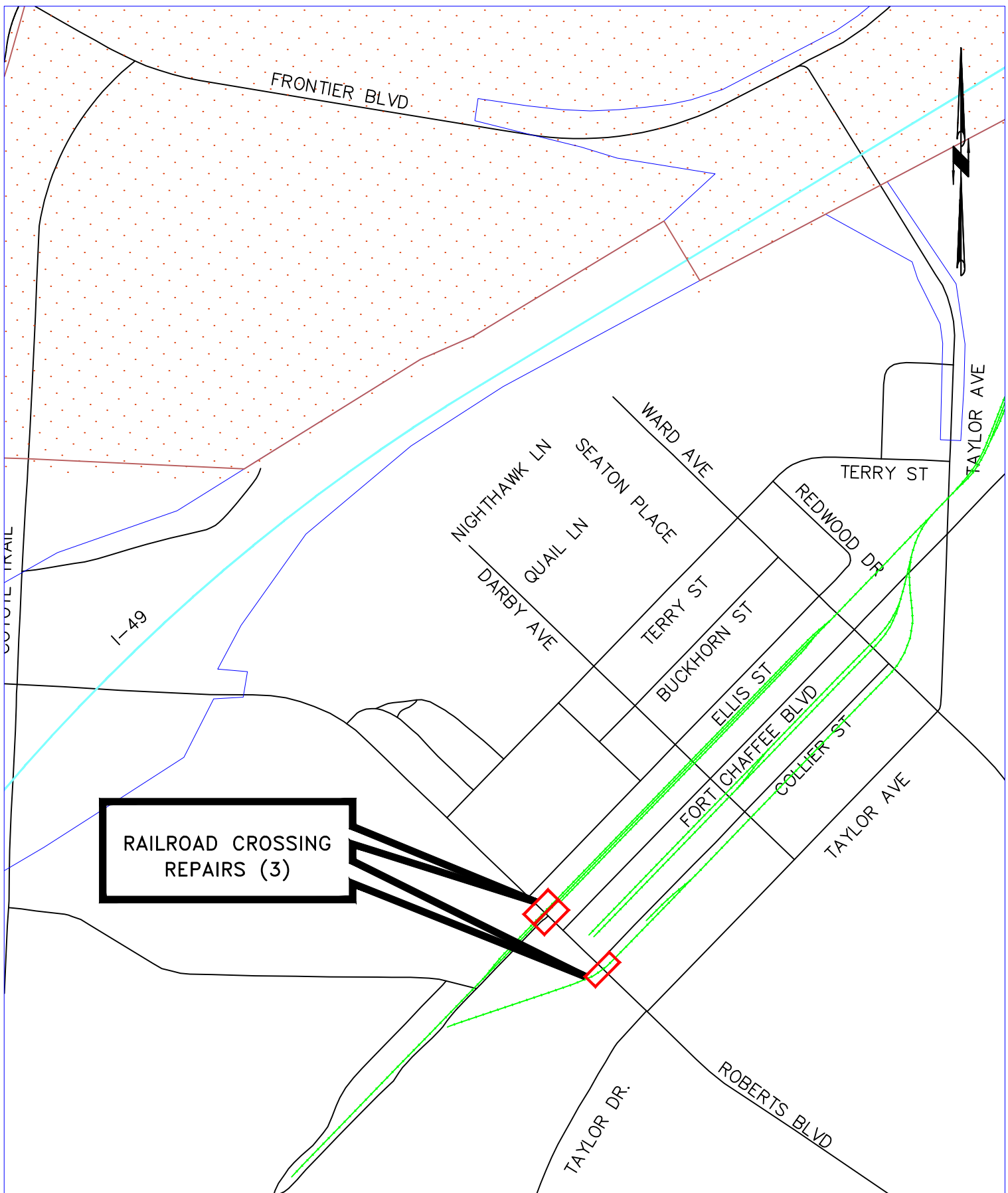
2020 CAPITAL IMPROVEMENTS PROGRAM  
 HWY 45 WIDENING



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**RAILROAD CROSSING  
REPAIRS (3)**

2020 CAPITAL IMPROVEMENTS PROGRAM  
RAILROAD CROSSING IMPROVEMENTS



Project:	
Date:	Sept. 2019
Scale:	NONE
Drawn By:	RBR