



Russellville
ARKANSAS
Public Works



City of Russellville
**Capital Improvement
Program**
2013-2017



City of Russellville
Capital Improvements Program
2013-2017

Introduction

The Capital Improvement Program (CIP) allocates revenues to rehabilitate, restore, improve and add to the City's infrastructure. The CIP covers a 5-year planning horizon and will be updated annually to reflect changes and additions as necessary. The CIP is prepared by the Public Works Office and submitted to the Mayor for approval by the Council. The CIP does not appropriate funds; it is used as a guide during the budgeting process.

The purpose of the CIP is to provide a systematic approach for addressing many of City's infrastructure deficiencies. It is supported by City's Stormwater Management Plan, the Master Street Plan, and needs identified by the Public Works Office. Overall guiding principles for the CIP are to improve the City's transportation system by providing alternate routes to Hwy. 7 and Hwy. 64, improve the City's drainage system as recommended by the Stormwater Plan, and address some local deficiencies due to poorly regulated construction.

The CIP is formatted to make it easily readable and relevant to all users. The project pages contain brief descriptions of each project with estimated costs. Additionally, some maps are included for aid in locating specific projects.

Overview

The CIP supports the City's desire for improved transportation and drainage. Along with the construction to provide alternate routes for transportation, improvement of various traffic signal systems is also proposed. This will allow for more efficient movement of traffic through the City's arteries by improving controllers, communication systems and vehicle detection systems.

The City currently has one continuous North-South route, Hwy. 7 (Arkansas Avenue). The CIP identifies alternate routes that can be constructed for local traffic to alleviate some of the load on Hwy. 7. The western part of the City is somewhat limited in North-South routes due to Lake Dardanelle. The construction of North Phoenix will serve this part of the City and improve access to various residential, commercial, educational and emergency facilities. Other proposed North-South routes will provide similar benefits to their respective areas.

The proposed drainage improvements are the result of a lengthy study completed by FTN. These improvements address the City wide system as well as some local deficiencies.

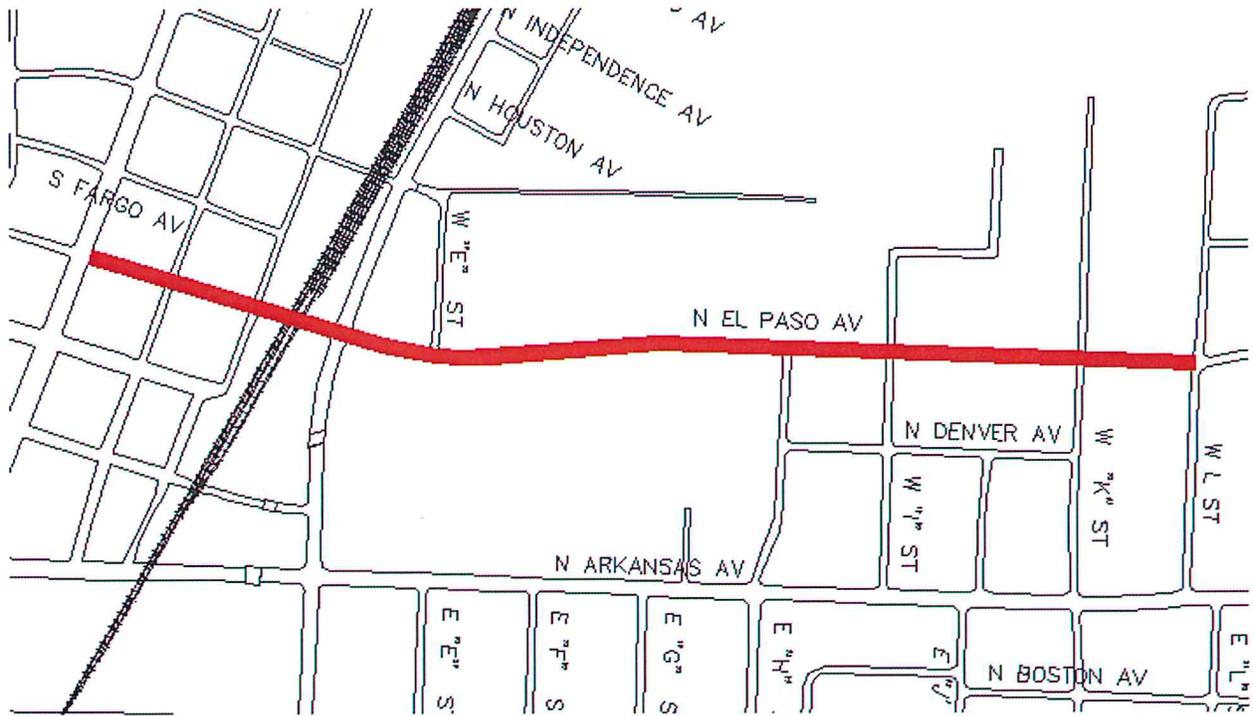
2013 - 2017 Street Sales Tax Plan

2013		Reserve
1	N. El Paso "Complete Streets" Project Design/ ROW	\$50,000.00 *
2	East H Street from Arkansas Ave to Parker Road Design	\$3,130,000.00 *
5	Roundabout- Hwy 7 and Hwy 124/ROW	\$745,000.00 *
6	Roundabout - S. Inglewood @ Honeysuckle Design/ROW	\$200,000.00 *
7	North Phoenix and UPRR Overpass Design/ROW/Const/C.A.	\$4,855,000.00 *
8	Arkansas @ Reasoner Signal Design /Construction	\$209,000.00 *
11	N. Greenwich Connection and Bridge (Design, ROW, Construct)	\$201,000.00 *
12	East Russellville North-South Arterial Alignment Study	\$40,000.00 *
14	Vancouver @ 4th Street Drainage-Construct Waco Detention Basin	\$685,000.00 *
30	AR 7 /Signal Rehab local share	\$62,000.00 *
15	S. Inglewood Avenue	\$100,000.00 *
16	True F. Smith/Inglewood Drainage	\$1,055,000.00 *
17	S. Detroit	\$330,000.00
29	J.L.Shinn/Macarthur	\$450,000.00 *
18	South Glenwood	\$250,000.00 *
20	Overlay	\$1,365,000.00 *
26	O Streets Improvements	\$125,000.00 *
33	Weir Road @ SR124 (Local Share)	\$3,000,000.00
32	COE 205 Project	\$1,000,000.00
34	Roundabout at Lakefront and W. Main Streets.	\$500,000.00
25	N. Arkansas Ave. Streetscapes/Sidewalks	\$250,000.00
22	N. Glenwood Extension from L Street to West Parkway-Design/ROW	\$550,000.00
31	Bike Lanes N. Knoxville, N. Joplin, Russell Road	\$24,292.00
	Total	\$19,176,292.00

2014		
3	Aspen and Sparksford Intersection Improvements	\$39,000.00
4	I/40 Frontage Road	\$125,000.00
9	Prairie Creek Ditch Reconstruction (behind Moore and Carr's)	\$188,000.00
12	East Russellville North-South Arterial Design	\$1,200,000.00
35	North Arkansas (City Mall) Sidewalk	\$50,100.00
36	University Drive Sidewalk	\$66,300.00
13	Street light Retrofit Program	\$800,000.00
10	Extend Mobile from Russell Rd. to E. Pkwy	\$268,000.00
22	N. Glenwood Extension from L Street to West Parkway-Design/ROW	\$130,000.00
	Drainage	\$500,000.00
	Street Improvements	\$1,500,000.00
20	Overlay	\$950,000.00
38	White Oak Storm Drain Replacement (need PDS)	\$140,000.00
	Total	\$5,956,400.00

2015		
4	I/40 Frontage Road	\$1,427,900.00
22	N. Glenwood Extension from L Street to West Parkway	\$1,214,100.00
19	South Inglewood Drainage N. across Main Street	\$256,800.00
12	East Russellville North-South Arterial RW Acquisition/Utilities	\$2,280,000.00
21	S. Detroit fence along west side at Oakland Cemetery	\$82,680.00
23	Extend E.2nd St. from Seattle to Tulsa	\$207,600.00
24	Extend S.Tulsa from 2nd to Seattle	\$789,840.00
27	Replace 2nd Place bridge	\$290,000.00
	Street Improvements	\$1,500,000.00
37	Sidewalk Retrofit Program	\$500,000.00
13	Street Light Retrofit Program	\$800,000.00
20	Overlay	\$950,000.00
	Total	\$10,298,920.00
2016		
28	Skyline Road Reconstruction	\$1,381,325.00
12	East Russellville North-South Arterial Construction	\$13,790,000.00
	Street Improvements	\$1,500,000.00
37	Sidewalk Retrofit Program	\$500,000.00
20	Overlay	\$950,000.00
	Total	\$18,121,325.00
2017		
20	Overlay	\$950,000.00
13	Street Light Retrofit Program	\$800,000.00
37	Sidewalk Retrofit Program	\$500,000.00
	Street Improvements	\$1,500,000.00
	Total	\$3,750,000.00
	Program Total	\$57,302,937.00

Red: New Projects
Black: Carryover Projects



1. Project: N. El Paso Corridor Enhancement

2. Location: West Main Street (Highway 64) to W. L Street (south edge of Arkansas Tech University campus).

3. Average Daily Traffic:

4. Description: Construct and/or repair sidewalks and curbing along approximately 3,800 linear feet of roadway. Also provide a shared bike lane, street lighting, landscaping, benches, and other amenities along the route to create a pedestrian friendly and traffic calming environment.

5. Justification / Benefits: N. El Paso is a main corridor linking the historic downtown area of Russellville to the campus of Arkansas Tech University. The improvement/enhancement of this corridor will provide a safe pedestrian link between downtown Russellville and the ATU campus.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$50,000.00
b. Land Acquisition:	50,000.00
c. Construction:	550,000.00
d. Utilities	<u>30,000.00</u>
Total:	\$680,000.00



1. Project: East “H” Street Improvements

2. Location: From N. Arkansas east to Parker Road.

3. Average Daily Traffic:

4. Description: Reconstruct approximately 2,600 LF of roadway to 36’ wide curbed section with sidewalk and storm drainage improvements.

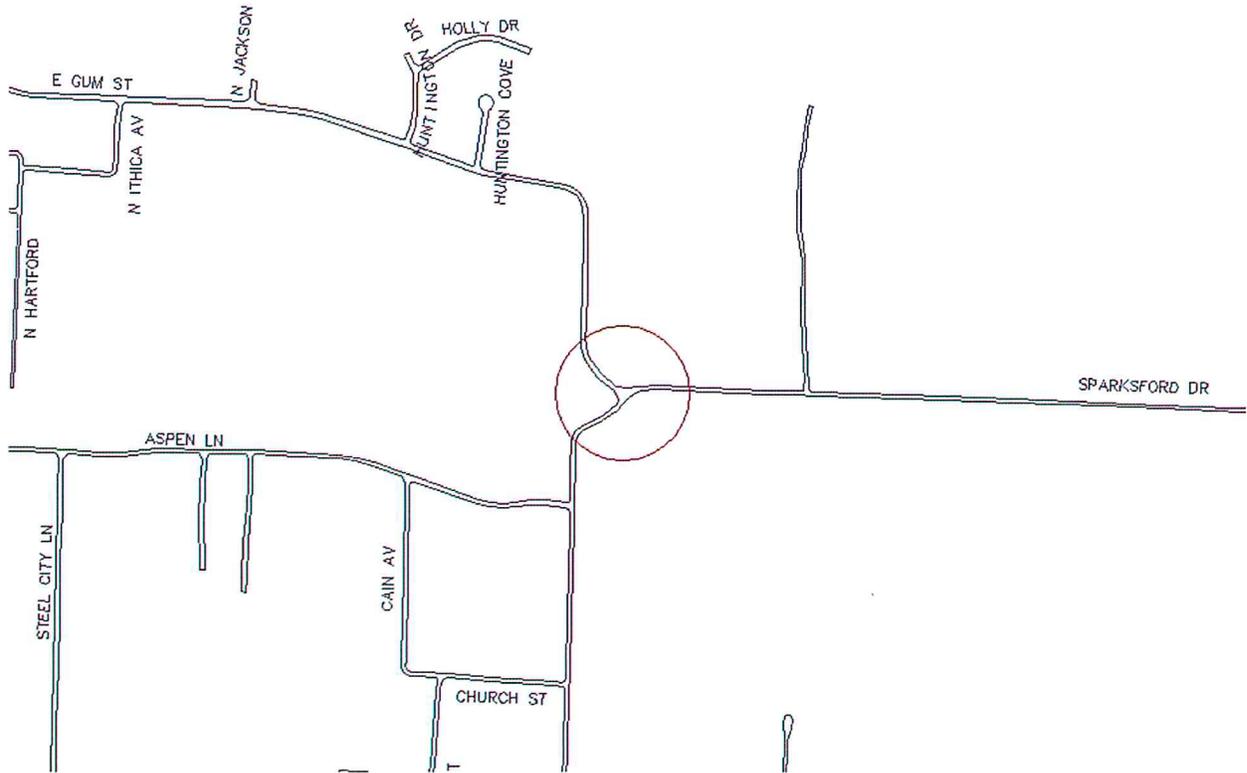
5. Justification / Benefits: With the proposed signalization of N. Arkansas and “H” Street, this will become a primary east/west corridor.

6. Relation to Other Projects and Master Plan: This street connects to Parker Road, which will continue the corridor to Hwy. 124 and become a relief for the N. Arkansas / Hwy. 124 route.

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$100,000.00
b. Land Acquisition:	0.00
c. Construction:	996,000.00
d. Utilities:	260,000.00

Total: **\$1,356,000.00**



1. Project: Aspen & Sparksford Intersection Improvement

2. Location: Intersection of Aspen & Sparksford.

3. Average Daily Traffic:

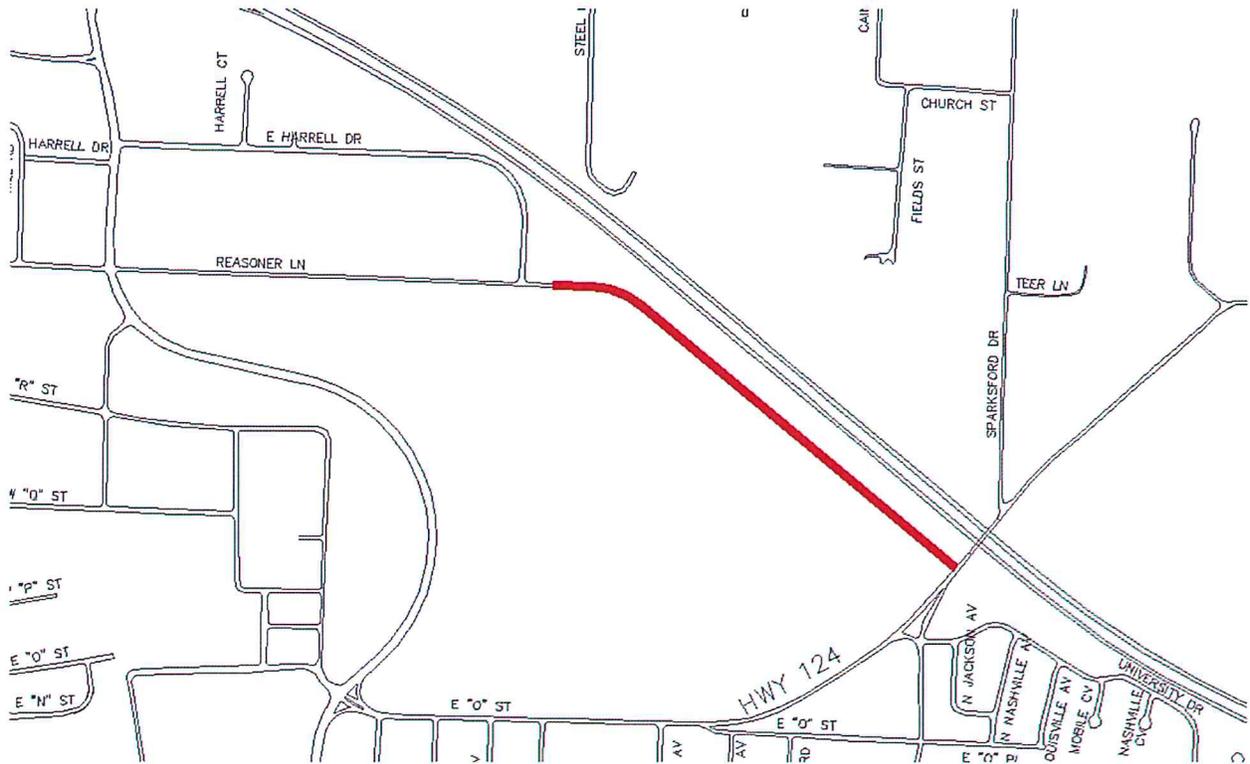
4. Description: Reconfigure horizontal and vertical alignment of existing intersection to improve visibility and safety of the intersection.

5. Justification / Benefits: The proposed improvements will enhance the safety and function of the intersection.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 4,000.00
b. Land Acquisition:	2,500.00
c. Construction:	30,000.00
d. Utilities:	<u>2,500.00</u>
Total:	\$39,000.00



1. Project: I-40 Frontage Road

2. Location: South side of I-40 between Reasoner Lane and Hwy. 124.

3. Average Daily Traffic:

4. Description: Construct a new 2,980 LF 36' wide curbed roadway extension with sidewalks and streetlights from the existing east end of Reasoner Lane and extending east to Hwy. 124.

5. Justification / Benefits: This will improve connectivity in the area surrounding Arkansas Tech University and extend the recently constructed N. Phoenix / Reasoner corridor to Hwy. 124.

6. Relation to Other Projects and Master Plan: This will extend the recently constructed N. Phoenix / Reasoner Corridor to Hwy. 124.

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 125,000.00
b. Land Acquisition:	75,000.00
c. Construction:	1,346,960.00
d. Utilities:	<u>5,960.00</u>
Total:	\$1,552,920.00



1. Project: Hwy. 7 / Hwy. 124 Roundabout

2. Location: Intersection of Hwy. 7 (North Arkansas) and Hwy. 124. (E. "O" Street)

3. Average Daily Traffic:

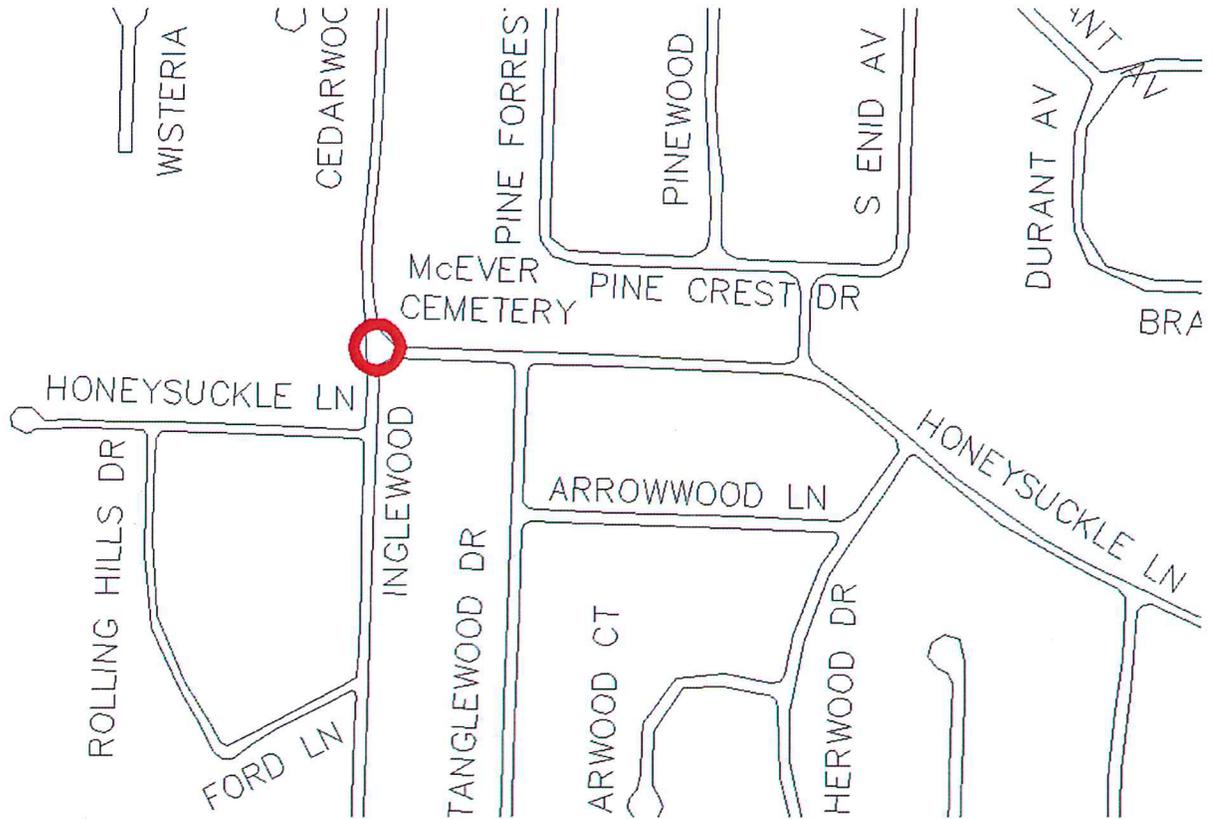
4. Description: Replace the existing signalized intersection with a roundabout and improve drainage.

5. Justification / Benefits: This intersection is subject to numerous pedestrian/vehicular conflicts due to the proximity of Arkansas Tech University. The intersection is also subject to flooding. The construction of a roundabout at this location would create a safer, more efficient (especially during events at Tucker Coliseum) intersection and enable the drainage issues to be addressed as well.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$40,000.00
b. Land Acquisition:	85,000.00
c. Construction:	330,000.00
d. Utilities	<u>50,000.00</u>
Total:	\$505,000.00



1. Project: S. Inglewood / Honeysuckle Roundabout

2. Location: Intersection of S. Inglewood Avenue and Honeysuckle Lane

3. Average Daily Traffic:

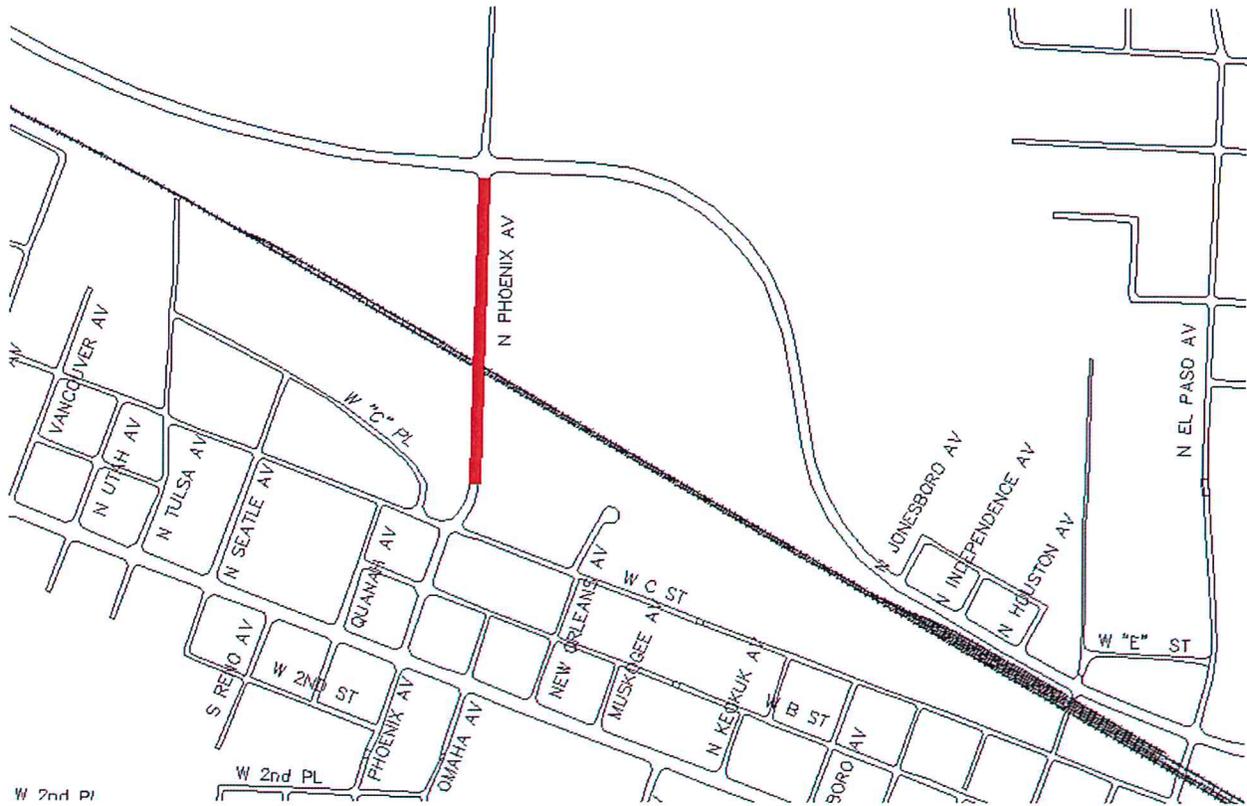
4. Description: Construct a roundabout at the existing intersection.

5. Justification / Benefits: A roundabout at this intersection would reduce accidents at the location that may result from limited site distance at the intersection and high speeds along S. Inglewood Avenue.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$35,000.00
b. Land Acquisition:	40,000.00
c. Construction:	330,000.00
d. Utilities	<u>20,000.00</u>
Total:	\$425,000.00



1. Project: N. Phoenix / UP Railroad Overpass

2. Location: Intersection of N. Phoenix Avenue and the UP Railroad.

3. Average Daily Traffic:

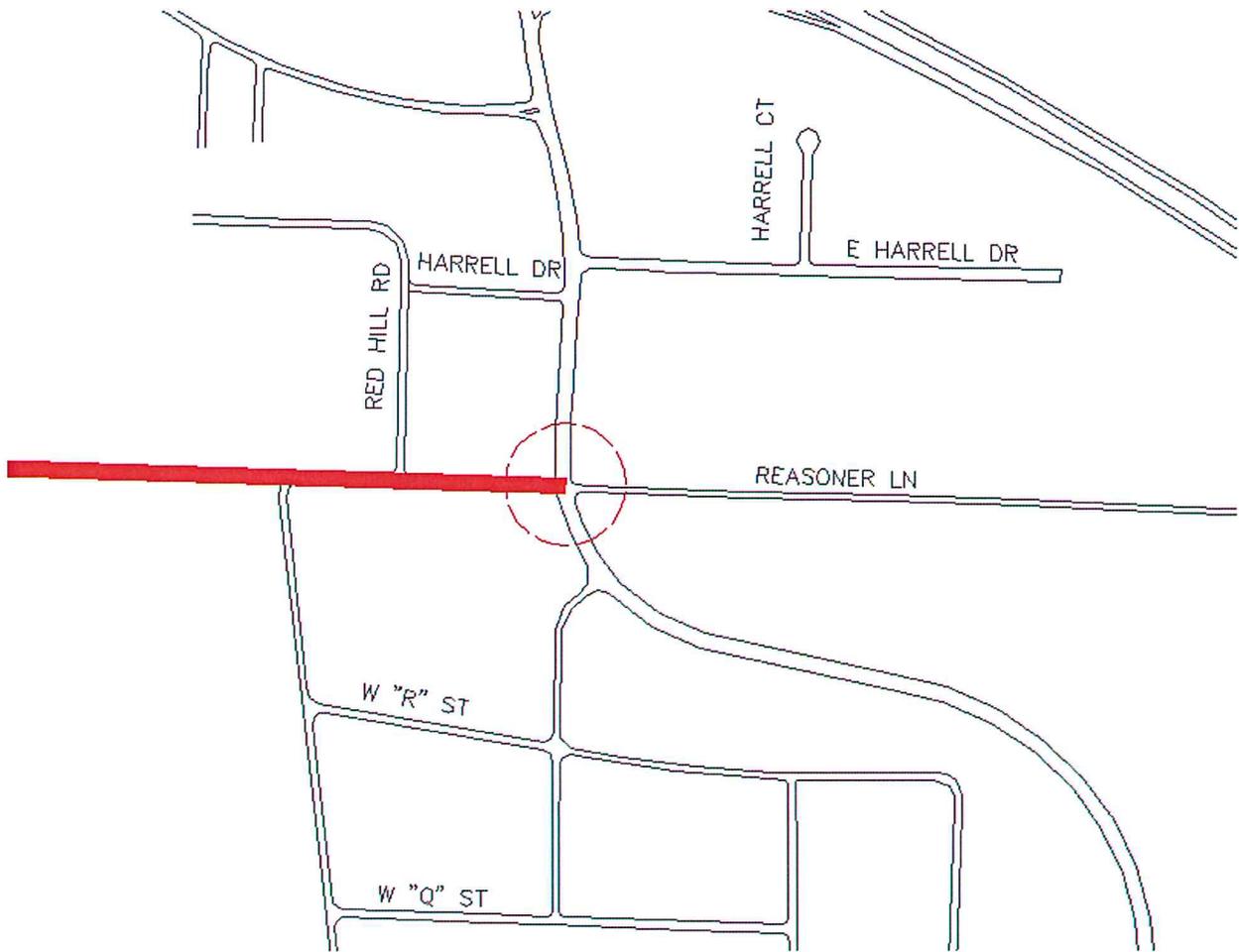
4. Description: Construct an overpass over the UP Railroad.

5. Justification / Benefits: A grade separation at this location will allow emergency and regular traffic flow across the UP Railroad without being hindered by the 16 train trips per day.

6. Relation to Other Projects and Master Plan: This project will tie into the N. Phoenix project that is currently under construction. When complete, the corridor will provide a direct route between the city's hospital and the north side of town.

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$260,000.00
b. Construction Administration	200,000.00
c. Land Acquisition:	70,000.00
d. Construction:	4,300,000.00
e. Utilities	120,000.00
Total:	\$4,950,000.00



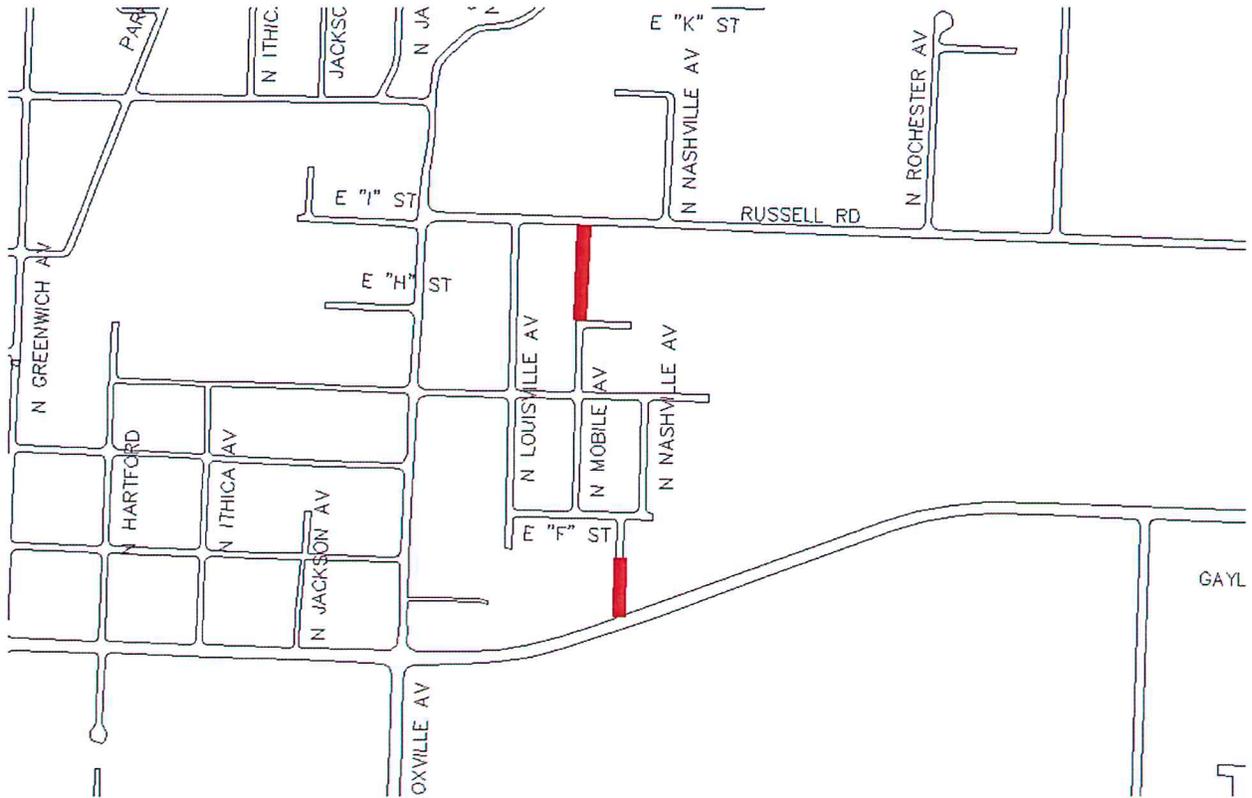
1. **Project:** Reasoner Lane and North Arkansas Signal
2. **Location:** Intersection of Reasoner Lane and North Arkansas Avenue (Highway 7).
3. **Average Daily Traffic:**
4. **Description:** Provide a traffic signal at this intersection.
5. **Justification / Benefits:** With the construction of the North Phoenix project, traffic at this intersection from Reasoner Lane will increase significantly. Signalization of this intersection will allow safe and efficient traffic movements between Reasoner Lane and North Arkansas.
6. **Relation to Other Projects and Master Plan:** The project is located at the north end of the North Phoenix project that is currently under construction.
7. **Approximate Estimated Costs:**

a. Planning, Design, Engineering:	\$15,000.00
b. Land Acquisition:	0.00
c. Construction:	<u>185,000.00</u>
Total:	\$200,000.00



1. **Project:** Prairie Creek Ditch Reconstruction
2. **Location:** Section of Prairie Creek between West Parkway and North Arkansas.
3. **Average Daily Traffic:**
4. **Description:** Reconstruct existing ditch embankments and concrete slope protection.
5. **Justification / Benefits:** The existing embankments and concrete slope protection is in poor condition. Existing property in the area is in danger of significant damage if repairs are not made.
6. **Relation to Other Projects and Master Plan:**
7. **Approximate Estimated Costs:**

a. Planning, Design, Engineering:	\$ 20,000
b. Land Acquisition:	0.00
c. Construction:	168,000.00
d. Utilities:	<u>0.00</u>
Total:	\$188,000.00



1. Project: Mobile Avenue Extension

2. Location: Russell Road south to Parkway Avenue.

3. Average Daily Traffic:

4. Description: Construct extensions (total 600 LF) to N. Mobile Avenue between Russell Road and Parkway Avenue.

5. Justification / Benefits: This project will provide an additional connection between Russell Road and Parkway Avenue.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 22,000.00
b. Land Acquisition:	10,000.00
c. Construction:	233,700.00
d. Utilities:	<u>3,000.00</u>
Total:	\$ 268,700.00



1. **Project:** N. Greenwich Extension
2. **Location:** From E. "B" Street to E. "C" Street.
3. **Average Daily Traffic:**
4. **Description:** Construct approximately 350 LF of 2-lane curbed roadway with drainage structure (multi-cell box culvert).
5. **Justification / Benefits:** This street will provide needed north/south connectivity in the area.
6. **Relation to Other Projects and Master Plan:**
7. **Approximate Estimated Costs:**

a. Planning, Design, Engineering:	\$30,000.00
b. Land Acquisition:	0.00
c. Construction:	275,000.00
d. Utilities:	<u>20,000.00</u>
Total:	\$325,000.00



1. Project: East Russellville North-South Arterial

2. Location: From East Main Street south to Hwy. 247.

3. Average Daily Traffic:

4. Description: Develop a new arterial corridor on the east side of Russellville to provide an alternative north-south traffic route for this side of town.

5. Justification / Benefits: This arterial corridor will help relieve traffic congestion on many of the minor north-south residential streets and provide a safe and efficient means to traverse the city on the east side of town.

6. Relation to Other Projects and Master Plan: Continuation of proposed Weir Road improvement project currently under design by the Arkansas Highway and Transportation Department.

7. Approximate Estimated Costs:

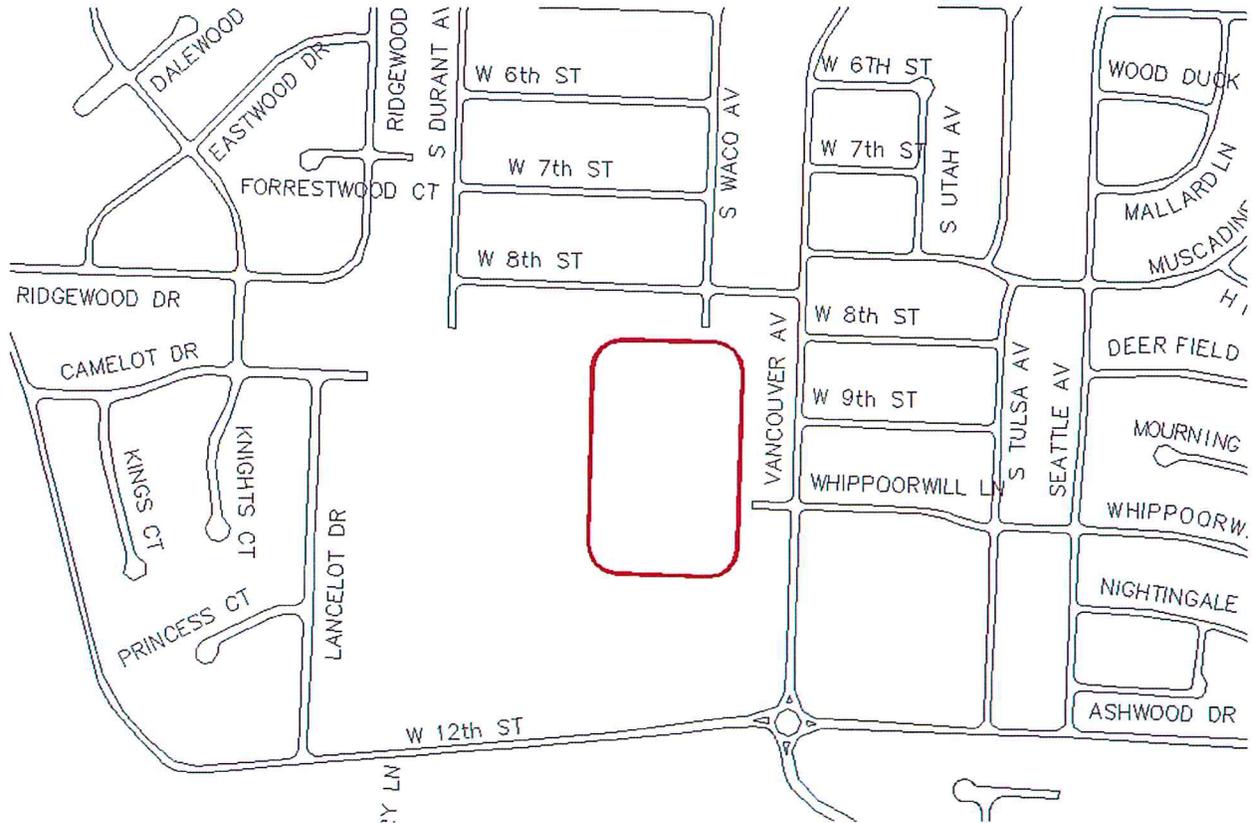
a. Planning, Design, Engineering:	\$1,265,000.00
b. ROW and Utility Relocation:	2,280,000.00
c. Construction:	13,790,000.00
Total:	\$17,335,000.00

1. **Project:** Provide Decorative Street Lights Along City Streets
2. **Location:** Sections of Weir Road, Fairway, Knoxville, Sequoyah Way, 16th Street, 19th Street and Parkway.
3. **Average Daily Traffic:** N/A
4. **Description:** Decorative street lights will be installed along designated street sections at an interval of 150' O.C. on alternating sides of the street (approximately 5 miles total).
5. **Justification / Benefits:** The project will improve vehicular and pedestrian safety along the designated streets.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 160,000.00
b. Land Acquisition:	0.00
c. Construction:	2,112,000.00
d. Utilities:	<u>0.00</u>
Total:	\$2,272,000.00



1. **Project:** Waco Detention Basin
2. **Location:** South of 8th Street at the end of S. Waco Avenue.
3. **Average Daily Traffic:** N/A
4. **Description:** A 50-acre foot detention pond with public use area (trails, picnic tables, multi-use sports field).
5. **Justification / Benefits:** The project will significantly reduce storm water flows between 8th Street and Bradley Lane, thus reducing the frequency of flooding along this stretch of drainage.
6. **Relation to Other Projects and Master Plan:** This will continue the city's commitment to improve drainage and reduce flooding throughout the city.

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 31,500.00
b. Land Acquisition:	230,000.00
c. Construction:	700,000.00
d. Utilities:	0.00
Total:	\$ 961,500.00



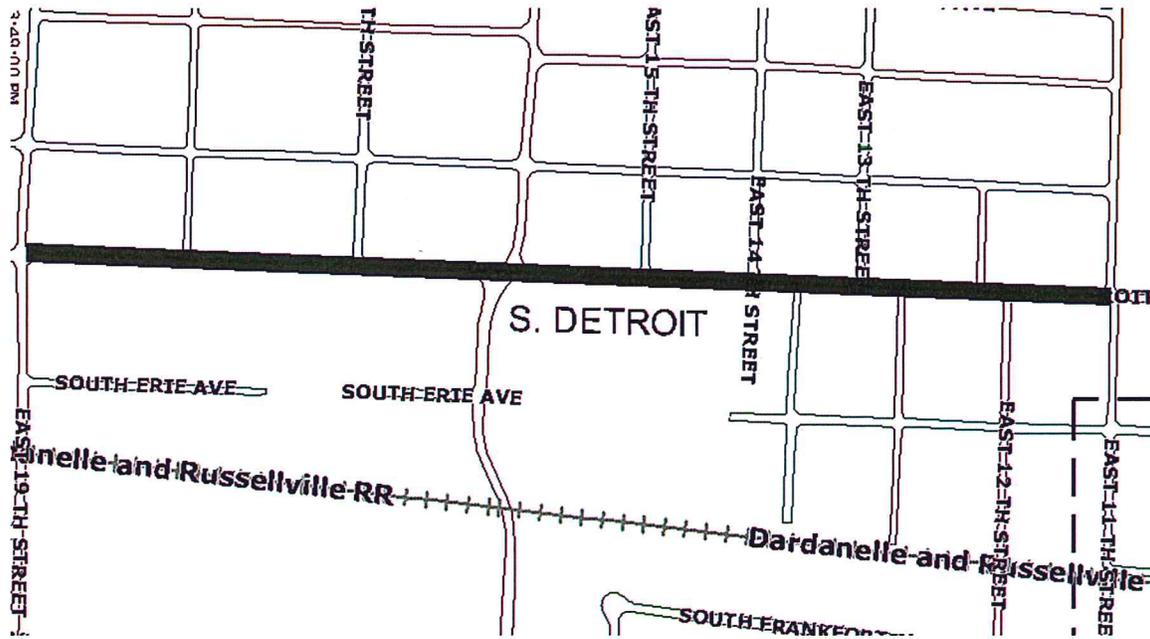
1. **Project:** Inglewood Avenue Improvements (Phase I)
2. **Location:** From West Main Street to Honeysuckle Lane.
3. **2000 Average Daily Traffic:** 3,000
4. **Description:** 3,080 L.F. of new two (2) lane roadway with curbs, gutters, and underground storm pipe.
5. **Justification/Benefits:** Area needs improved drainage system. There is one hazardous curve the needs improved and this will be a continuation of the West 16th Street access to West Main Street.
6. **Relation to other projects and Master Plan:** Continuation of West 16th Street access and a part of the Master Street Plan.
7. **Total Estimated costs:**

a. Design, Land, and Construction	\$3,565,000.00
b. Less AHTD Grant	-1,000,000.00
Total	\$ 2,565,000.00



1. **Project:** True F. Smith Addition Drainage Improvements
2. **Location:** Existing residential area between Enid and Inglewood, South of West Main Street and North of West 2nd Drive.
3. **2000 Average Daily Traffic:** N/A
4. **Description:** Remove and replace old inadequate drainage system within the neighborhood.
5. **Justification/Benefits:** The existing system is not adequate and flooding occurs more frequently than in other areas. Re-constructing the system will decrease flooding and reduce City maintenance time spent on the system.
6. **Relation to other projects and Master Plan:** Not on Master Street Plan however it is greatly needed.
7. **Total Estimated costs:**

a. Land Acquisition and Construction	\$1,000,000.00
Total	\$ 1,000,000.00



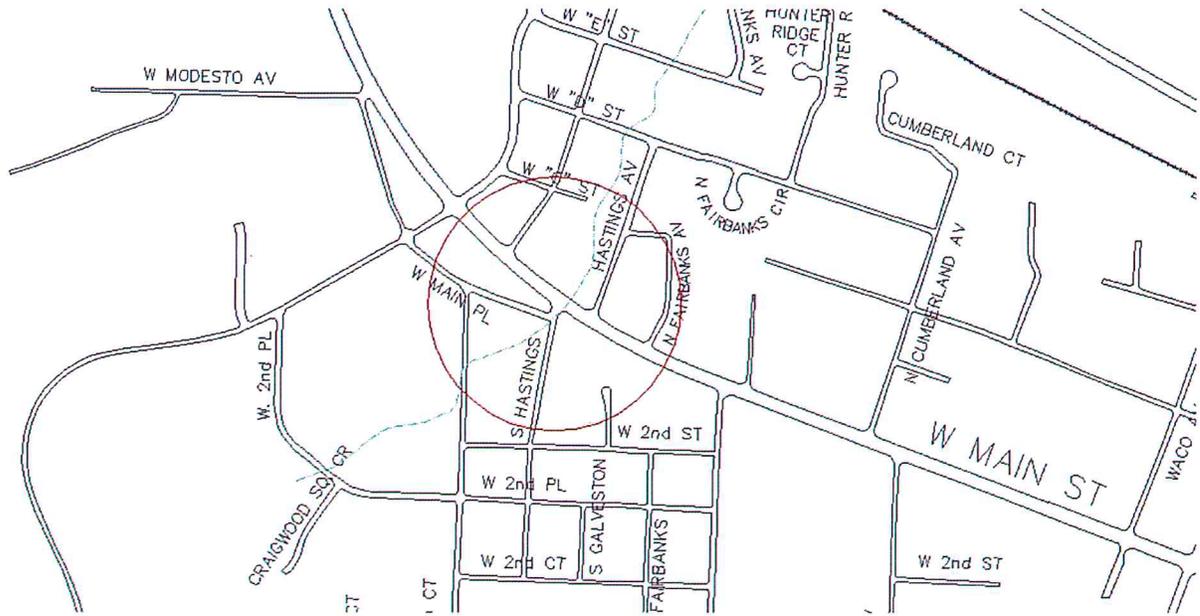
1. **Project:** South Detroit Avenue
2. **Location:** East 11th Street to East 19th Street
3. **2006 Average Daily Traffic:** 1900
4. **Description:** Sidewalks, improve intersections and safety issues near the elementary school.
5. **Justification/Benefits:** South Detroit is a highly used through street.
6. **Relation to other projects and Master Plan:** None
7. **Total Estimated costs:**

	a. Construction	\$1,250,000.00
	Total	\$1,250,000.00



1. **Project:** South Glenwood Avenue
2. **Location:** West Main Street (Hwy 64) to West 8th Street
3. **2006 Average Daily Traffic:** 2900
4. **Description:** Improve surface, install storm drainage and curb where needed.
5. **Justification/Benefits:** South Glenwood is a highly used through street.
Improvements will improve traffic flow.
6. **Relation to other projects and Master Plan:** None
7. **Total Estimated costs:**

a. Construction		\$300,000.00	
	Total	\$300,000.00	



1. **Project:** S. Inglewood Drainage Across West Main Street
2. **Location:** North end of S. Inglewood and intersection of S. Hastings and West Main.
3. **Average Daily Traffic:** N/A
4. **Description:** Construct a new storm drainage system from the north end of S. Inglewood across West Main Street to convey drainage from the area across West Main. It will involve approximately 540 LF of storm drain and inlets.
5. **Justification / Benefits:** The storm drainage system in this area is inadequate. The recent improvements to S. Inglewood ended at West Main Place, and did not address the drainage deficiencies in this area.
6. **Relation to Other Projects and Master Plan:** This project will tie to the storm drainage system that was constructed with the recently completed S. Inglewood project.

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 25,000.00
b. Land Acquisition:	5,000.00
c. Construction:	199,800.00
d. Utilities:	<u>27,000.00</u>
Total:	\$ 256,800.00



1. **Project:** Overlay (5 Year Plan)
2. **Location:** City Wide
3. **2000 Average Daily Traffic:** N/A
4. **Description:** This project will move us forward three (3) years with our overlay program. Currently, we evaluate the City streets every three years and prioritize them according to their condition.
5. **Justification/Benefits:** This will address several areas that are deteriorating faster then funds become available.
6. **Relation to other projects and Master Plan:** N/A
7. **Total Estimated costs:**

	a. Construction	\$4,750,000.00
	Total	\$4,750,000.00



1. Project: Oakland Cemetery Fence

2. Location: Along the east side of S. Detroit between 8th Street and 11th Street.

3. Average Daily Traffic:

4. Description: Construct 990 LF of decorative wrought iron along west side of Oakland Cemetery (S. Detroit).

5. Justification / Benefits: Will enhance the appearance of the cemetery and provide a needed barrier between S. Detroit and the cemetery.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 1,500.00
b. Land Acquisition:	0.00
c. Construction:	80,190.00
d. Utilities:	<u>990.00</u>
Total:	\$82,680.00



1. **Project:** N. Glenwood Extension
2. **Location:** West Parkway north to intersection of W “L” Street and N. Glenwood Avenue.
3. **Average Daily Traffic:**
4. **Description:** Connect N. Glenwood to West Parkway.
5. **Justification / Benefits:** N. Glenwood currently carries a large volume of traffic associated with Arkansas Tech University. This connection will provide an additional route to and from the campus and help relieve some of the traffic congestion on N. Arkansas Avenue.
6. **Relation to Other Projects and Master Plan:**
7. **Approximate Estimated Costs:**

a. Planning, Design, Engineering:	\$200,000.00
b. Land Acquisition:	350,000.00
c. Construction:	<u>\$1,700,000.00</u>
Total:	\$2,250,000.00



1. Project: 2nd Street Extension

2. Location: Seattle to Tulsa (350 LF).

3. Average Daily Traffic:

4. Description: Extend West 2nd Street from Seattle to Tulsa.

5. Justification / Benefits: This project will increase connectivity in the area and help relieve possible congestion resulting from the proposed Wal-Mart Neighborhood Market.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 18,000.00
b. Land Acquisition:	30,000.00
c. Construction:	158,900.00
d. Utilities:	700.00
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Total:	\$ 207,600.00



1. Project: S. Tulsa Extension

2. Location: 2nd Street to Seattle Ave. (890 LF).

3. Average Daily Traffic:

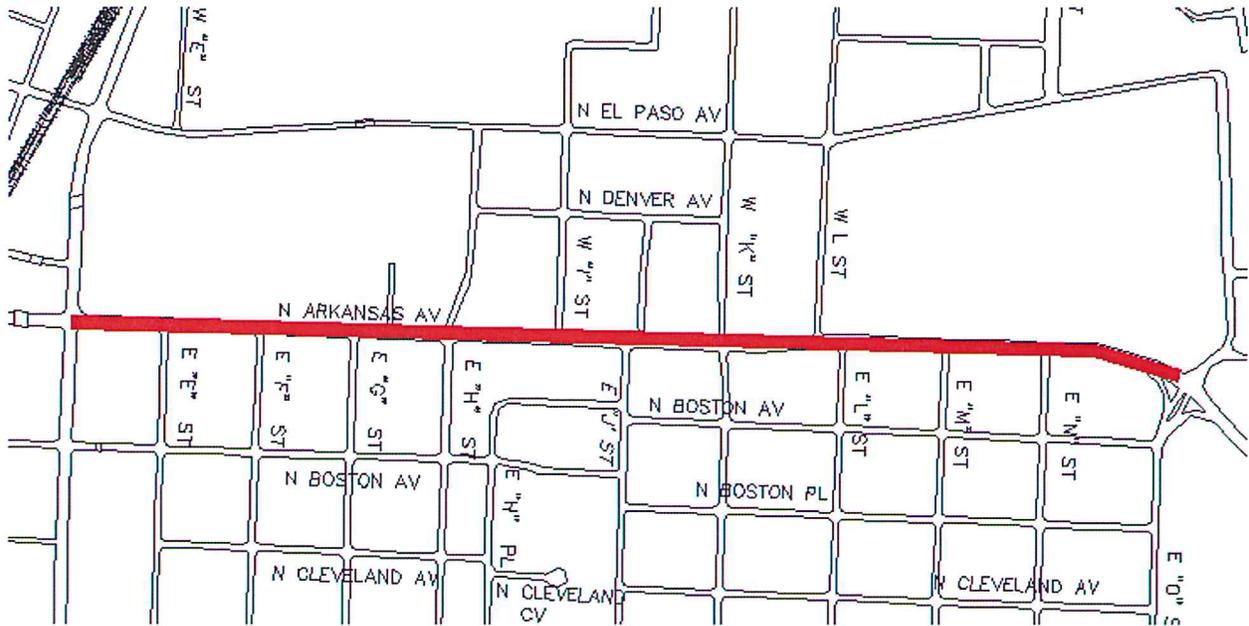
4. Description: Extend S. Tulsa from 2nd Street to Seattle Ave.

5. Justification / Benefits: This project will increase connectivity in the area and help relieve possible congestion resulting from the proposed Wal-Mart Neighborhood Market.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 75,000.00
b. Land Acquisition:	50,000.00
c. Construction:	654,060.00
d. Utilities:	<u>1,780.00</u>
Total:	\$ 780,840.00



1. Project: N. Arkansas Streetscape and Sidewalks

2. Location: Parkway Avenue to “O” Street.

3. Average Daily Traffic:

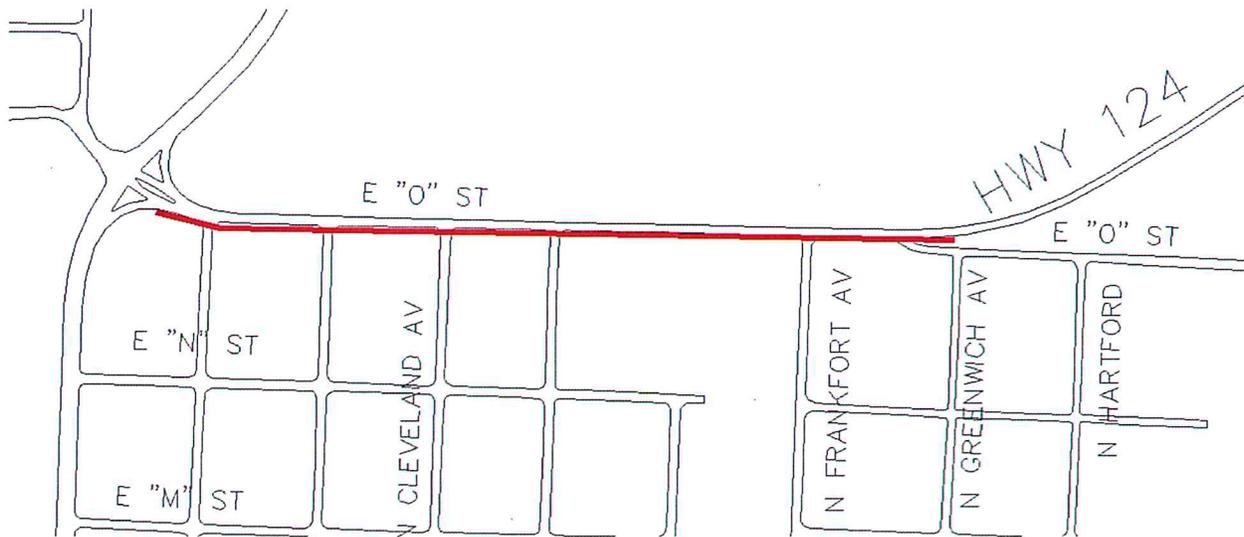
4. Description: Construct and/or repair sidewalks along approximately 4,500 linear feet of roadway. Also provide a shared bike lane, decorative street lighting, landscaping, and other amenities along the route to create a pedestrian friendly and traffic calming environment.

5. Justification / Benefits: N. Arkansas is the main corridor linking the downtown area of Russellville to the campus of Arkansas Tech University. The improvement/enhancement of this corridor will provide a safe route for pedestrian traffic in the area.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$25,000.00
b. Land Acquisition:	0.00
c. Construction:	225,000.00
d. Utilities	0.00
Total:	\$250,000.00



1. Project: "O" Street Sidewalk

2. Location: Along the south side of "O" Street from N. Arkansas to N. Greenwich.

3. Average Daily Traffic:

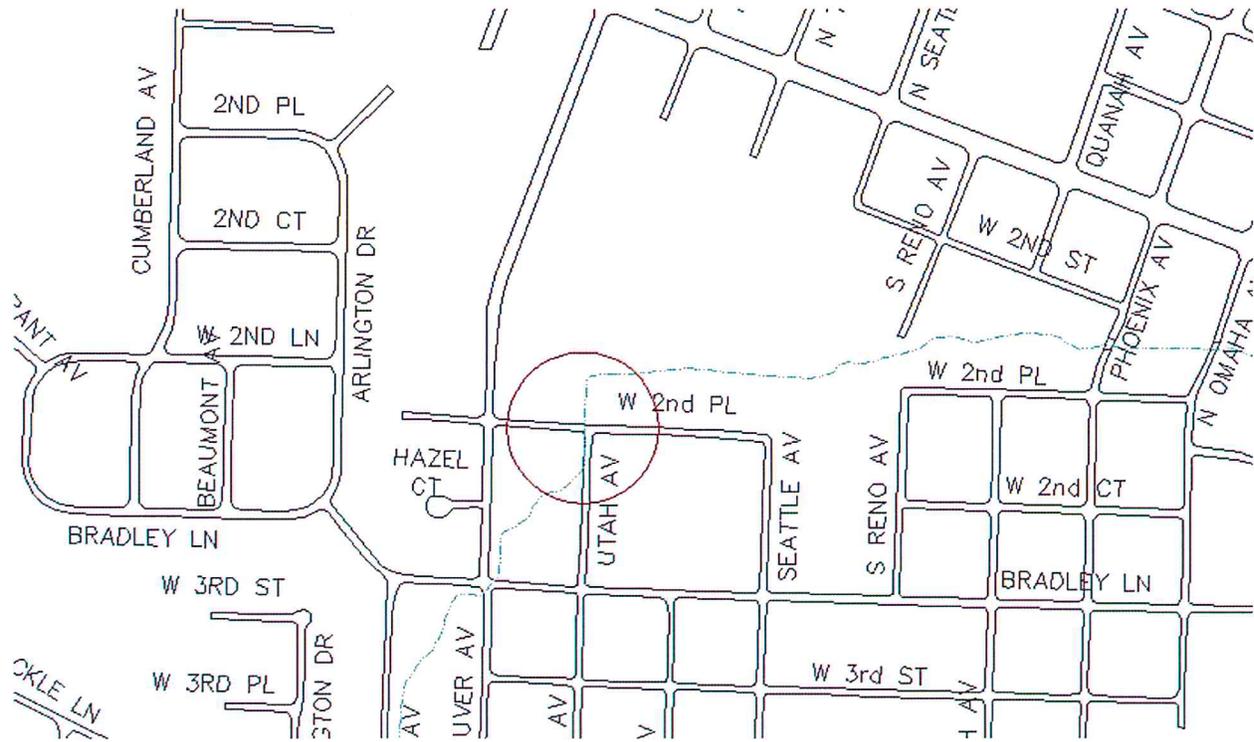
4. Description: Construct approximately 2,300 linear feet of sidewalk along the south side of "O" Street (Hwy. 124).

5. Justification / Benefits: This route is heavily traveled by Arkansas Tech students walking to and from campus. There is currently no sidewalk in this area. The new sidewalk will provide a safe route for pedestrian traffic in the area.

6. Relation to Other Projects and Master Plan:

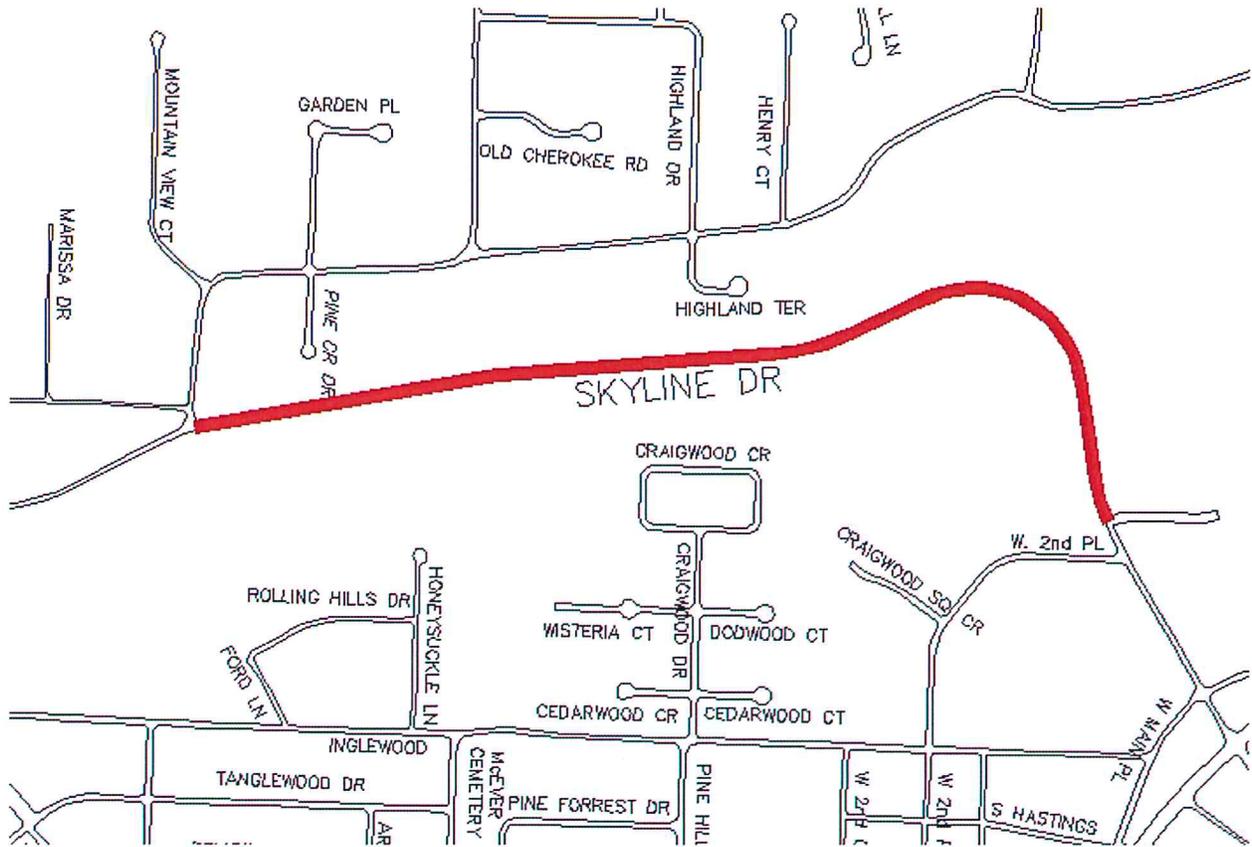
7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$12,000.00
b. Land Acquisition:	0.00
c. Construction:	88,000.00
d. Utilities	0.00
Total:	\$100,000.00



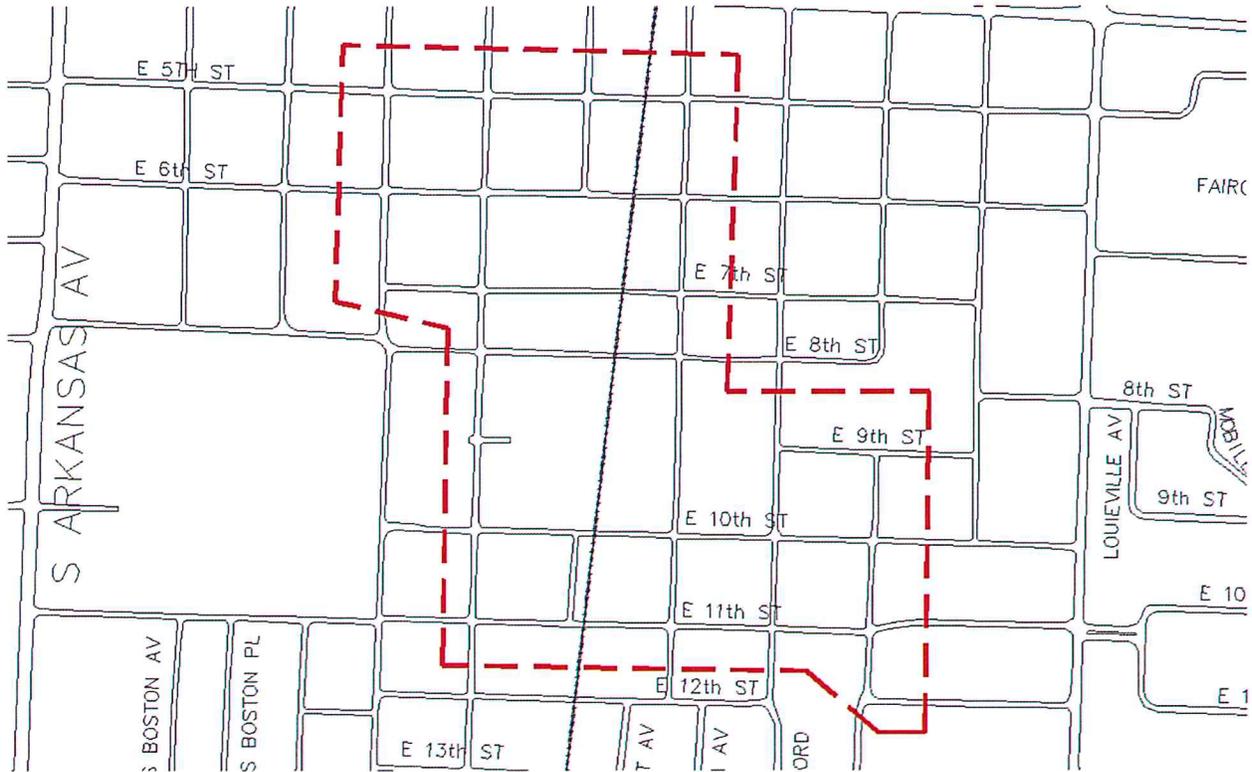
1. **Project:** W. 2nd Place Culvert Replacement
2. **Location:** W. 2nd Place (near Utah Ave.).
3. **Average Daily Traffic:**
4. **Description:** Construct a new drainage structure under W. 2nd Place.
5. **Justification / Benefits:** The current structure at this location is undersized and in poor condition.
6. **Relation to Other Projects and Master Plan:**
7. **Approximate Estimated Costs:**

a. Planning, Design, Engineering:	\$ 30,000.00
b. Land Acquisition:	10,000.00
c. Construction:	255,000.00
d. Utilities:	<u>5,000.00</u>
Total:	\$ 290,000.00



1. **Project:** Skyline Road Reconstruction
2. **Location:** Highway 326 to W. 2nd Place.
3. **Average Daily Traffic:**
4. **Description:** Reconstruct Skyline Drive with curb and gutter and underground storm drainage.
5. **Justification / Benefits:** The existing roadway does not meet current city street standards. The proposed improvements will enhance the safety of the roadway and reduce long term maintenance requirements.
6. **Relation to Other Projects and Master Plan:**
7. **Approximate Estimated Costs:**

a. Planning, Design, Engineering:	\$ 120,000.00
b. Land Acquisition:	50,000.00
c. Construction:	1,206,675.00
d. Utilities:	<u>4,650.00</u>
Total:	\$1,381,325.00



1. Project: JL Shinn & McArthur Additions Drainage Improvements

2. Location: East 5th to East 11th and South Detroit to South Itasca

3. Average Daily Traffic:

4. Description: Improve drainage system to increase capacity for flow in the area.

5. Justification / Benefits: The area has flooding complaints every time it rains due to numerous issues that need to be addressed.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$50,000.00
b. Land Acquisition:	20,000.00
c. Construction & Utilities	<u>680,000.00</u>
Total:	\$750,000.00



1. **Project:** 2013 AHTD Signal Upgrades
2. **Location:** Hwy. 7 (Arkansas Ave.) and 4th Street, 2nd Street, Hwy. 64 (Main), and Parkway.
3. **Average Daily Traffic:**
4. **Description:** Rehabilitation and upgrades to existing signal systems as approved by AHTD.
5. **Justification / Benefits:** Improve will allow intersections to function more efficiently while increasing safety.
6. **Relation to Other Projects and Master Plan:**
7. **Approximate Estimated Costs:**

a. City Cost Share	:		<u>\$62,000.00</u>
		Total:	\$62,000.00

1. **Project:** Bike Lanes
2. **Location:** Sections of N. Knoxville, N. Joplin, and Russell Road.
3. **Average Daily Traffic:** N/A
4. **Description:** Provide striping and symbols along existing roadway edges designating bike lanes (approximately 2 miles total).
5. **Justification / Benefits:** The project will increase safety for bicycle traffic along the designated routes

6. Relation to Other Projects and Master Plan:

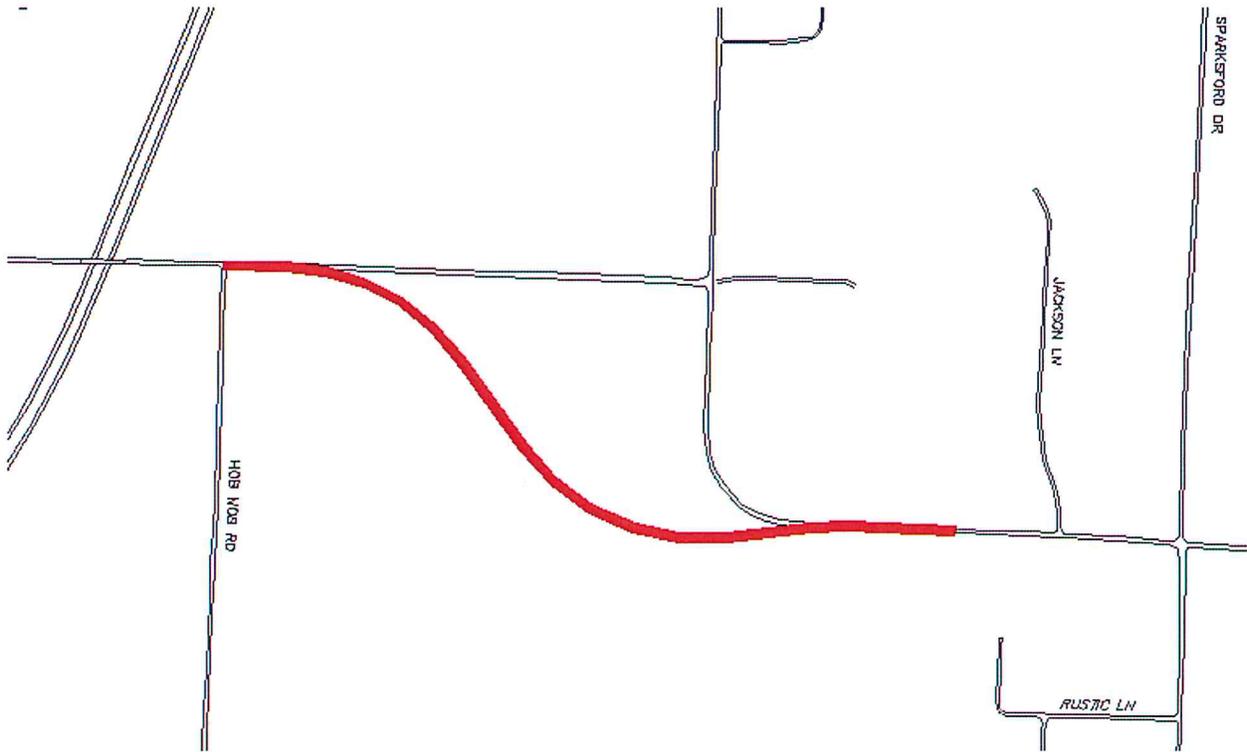
7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 1,500.00
b. Land Acquisition:	0.00
c. Construction:	22,792.00
d. Utilities:	<u>0.00</u>
Total:	\$24,292.00

1. **Project:** U.S. Army Corps of Engineers 205 Drainage Study / Improvements
2. **Location:** Engineers Ditch (north of Main Street) and Prairie Creek from Russell Road downstream
3. **Average Daily Traffic:** N/A
4. **Description:** This project includes an extensive study of reaches of Engineers Ditch and Prairie Creek and the ultimate construction of improvements, including a detention basin, channel widening, and bridge replacements, that will reduce flooding along these two drainage reaches. The total cost of the project is estimate to be over 14 million dollars.
5. **Justification / Benefits:** Areas along Engineers Ditch and Prairie Creek currently experience frequent flooding due to inadequately sized channels and bridge structures. Continued development along these reaches has contributed to the flooding issues. This project will reduce flooding along these two drainage reaches and thus reduce property damage as a result of flooding.
6. **Relation to Other Projects and Master Plan:** This will continue the city's commitment to improve drainage and reduce flooding throughout the city.

7. Approximate Estimated Costs:

a. City's Cost Share	:	<u>\$8,000,000.00</u>
	Total:	\$8,000,000.00



1. Project: Weir Road Improvements / Relocation

2. Location: Hob Nob Road to Hwy. 124.

3. Average Daily Traffic:

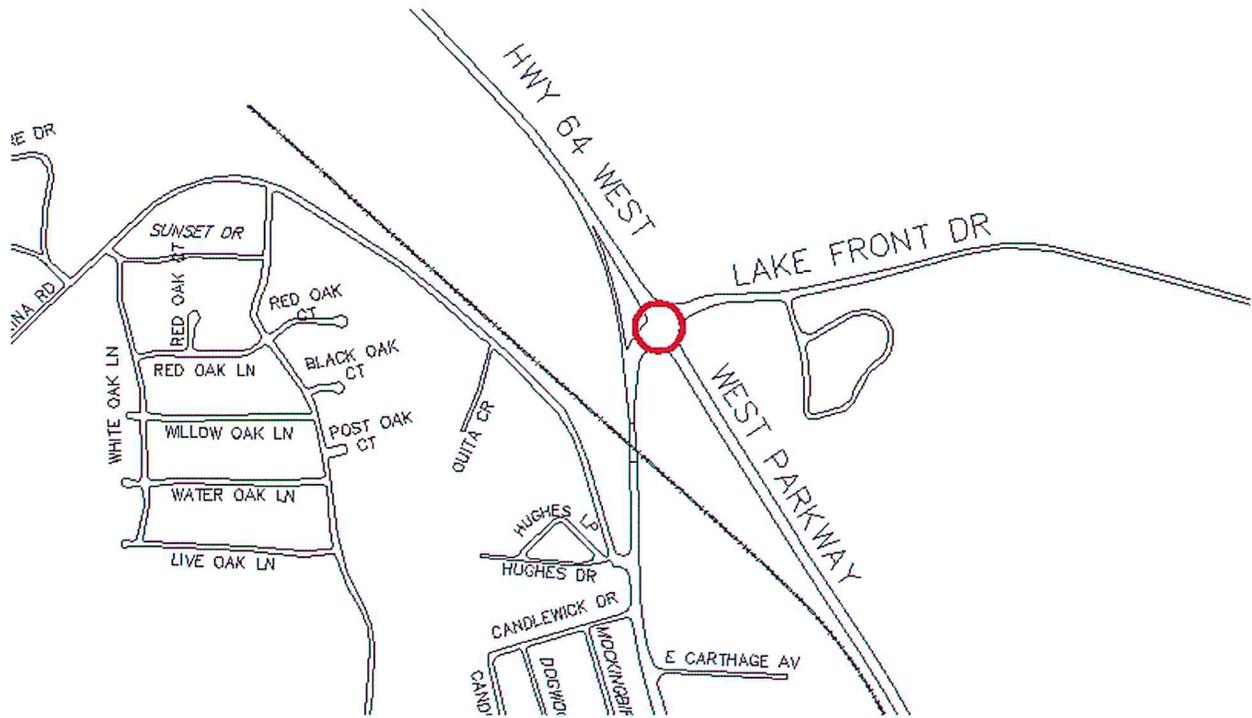
4. Description: Improve Weir Road to 4 lanes from Hob Nob Road north to Hwy. 124 and improve / reconfigure intersection of Weir Road and Hwy. 124.

5. Justification / Benefits: Traffic along this route has increased significantly with growth to the north of Russellville and commercial development along the Weir Road corridor. These improvements are necessary to handle the increased traffic volumes in the area.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. City Cost Share	:	\$3,000,000.00
Total:		\$3,000,000.00



1. Project: Lake Front Roundabout

2. Location: Intersection of Hwy. 64, Lake Front Drive and West Parkway.

3. Average Daily Traffic:

4. Description: Replace the existing signalized intersection with a roundabout.

5. Justification / Benefits: This intersection has an awkward geometry with high angle intersections between the different legs. A roundabout would greatly enhance traffic flow and safety at the intersection.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$40,000.00
b. Land Acquisition:	30,000.00
c. Construction:	330,000.00
d. Utilities	<u>20,000.00</u>
Total:	\$420,000.00



1. Project: N. Arkansas Sidewalk (City Mall)

2. Location: Along the west side of North Arkansas in front of the City Mall.

3. Average Daily Traffic:

4. Description: Construct 710 LF of 8' wide concrete sidewalk along the west side of North Arkansas in front of the City Mall.

5. Justification / Benefits: The project will improve pedestrian safety in the area.

6. Relation to Other Projects and Master Plan:

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 6,500.00
b. Land Acquisition:	0.00
c. Construction:	42,600.00
d. Utilities:	<u>1,000.00</u>
Total:	\$50,100.00



1. **Project:** University Drive Sidewalk
2. **Location:** Along the east side of University Driver between E. "J" Street and E. "L" Street.
3. **Average Daily Traffic:**
4. **Description:** Construct 1,470 LF of 5' wide concrete sidewalk along the east side of University Drive between E. "J" Street and E. "L" Street.
5. **Justification / Benefits:** The project will improve pedestrian safety in the area.
6. **Relation to Other Projects and Master Plan:**
7. **Approximate Estimated Costs:**

a. Planning, Design, Engineering:	\$ 7,500.00
b. Land Acquisition:	0.00
c. Construction:	57,330.00
d. Utilities:	<u>1,470.00</u>
Total:	\$66,300.00

1. Project: Sidewalk Retrofit Program

2. Location: City wide.

3. Average Daily Traffic: N/A

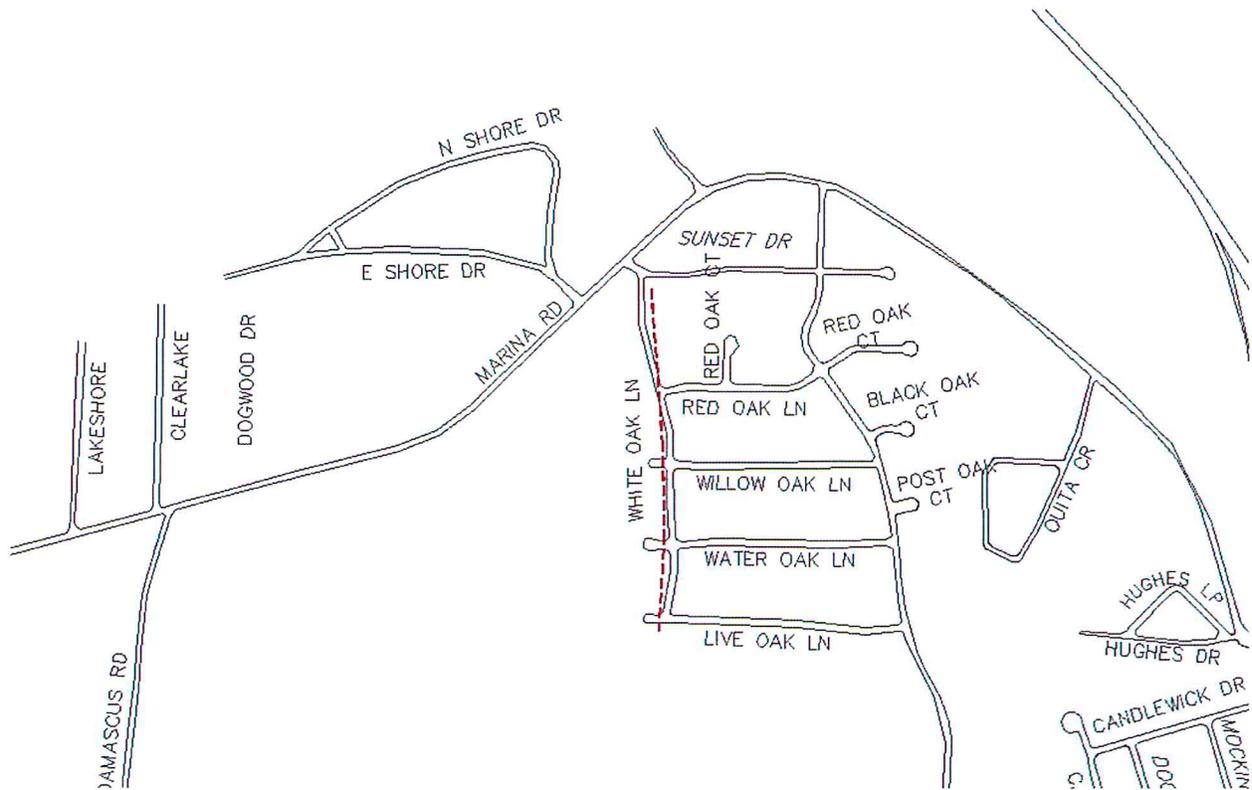
4. Description: Approximately 7.5 miles of new or re-constructed sidewalks within the Russellville city limits.

5. Justification / Benefits: The project will provide increased accessibility for the ADA community which will enable people with disabilities for easier access throughout our community. Safety and increased pedestrian travel options will be enhanced for all pedestrians as well.

6. Relation to Other Projects and Master Plan: This will continue the city's commitment to improve access to its ADA residents.

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 150,000.00
b. Land Acquisition:	0.00
c. Construction:	1,350,000.00
d. Utilities:	<u>0.00</u>
Total:	\$1,500,000.00



1. Project: White Oak Lane Storm Drainage Replacement

2. Location: White Oak Lane (from Live Oak Lane to Sunset Drive)

3. Average Daily Traffic: N/A

4. Description: Replace approximately 1,350 linear feet of failing storm drain pipe.

5. Justification / Benefits: The existing storm drain structure in this area has deteriorated and needs to be replaced in order to continue to provide adequate storm drainage for the area.

6. Relation to Other Projects and Master Plan: This will continue the city's commitment to improve drainage and reduce flooding throughout the city.

7. Approximate Estimated Costs:

a. Planning, Design, Engineering:	\$ 15,000.00
b. Land Acquisition:	0.00
c. Construction:	140,000.00
d. Utilities:	<u>5,000.00</u>
Total:	\$ 160,000.00



Presented January 2013