2021/2022 COMPREHENSIVE PLAN UPDATE

of the

CITY OF FORT SMITH

STREETS AND TRAFFIC CONTROL DEPARTMENT

The following annual report has been prepared to update the Comprehensive Plan Implementation Committee on work performed by the Streets and Traffic Control Department from June 2021 through June 2022 that pertains to comprehensive plan goals and policies. The Street Department is primarily responsible for maintaining the City's existing street and drainage infrastructure. Work performed by the department includes street and alley repairs; curb and gutter repairs; maintenance of the City's drainage system, including roadside ditches, detention ponds, creeks, inlets, and storm drains; mowing of street rights of way, detention ponds, and city owned lots; clearing of drainage easements; tree trimming and removal in street rights of way and drainage easements; maintenance and upgrading of all traffic control devices; constructing and repairing sidewalks; and providing and installing high visibility street signage. From June 2021 to June 2022 the Department received 2,731 Work Requests from citizens and other departments and has completed 2,498 of these requests. Work completed by the Street Department that addressed comprehensive plan goals and policies falls into one of the following six program areas: Administration, Sidewalk Construction, Street Construction, Street Maintenance, Street Drainage, and Traffic Control Operations. Each of these program areas are discussed in more detail below.

Administration

Work in the Street Department's Administration program that relates to Comprehensive Plan goals and policies includes traffic safety planning, developing solutions for drainage issues, the inventory and rating of sidewalks, contracted sidewalk projects, assisting Keep Fort Smith Beautiful, and reviewing developments for conformance to the City's street and drainage standards.

Traffic Safety Planning

Each year, department staff produce a report known as the *Traffic Accident & High Incident Intersection Study*. This annual report is one of the tools utilized by both the Engineering and Streets & Traffic Control Departments to determine intersection improvement projects. Besides this, the department completes various traffic and speed related studies each year at the request of City officials and citizens to determine if certain traffic safety improvements are warranted. Administrative staff in the department have completed 12 such studies in the last year.

In order to reduce the number of traffic accidents in the City, especially the number of fatalities, the department is also seeking to develop a Comprehensive Safety Action Plan. Such a plan would include a system wide analysis of the City's transportation network and would identify and prioritize safety improvement projects and strategies. To accomplish this, the department has recently applied for a $280,000 Federal grant with a $70,000 local match from the U.S. Department of Transportation through the Safe Streets and Roads for All Grant Program. If the City's grant application is successful, development of a Comprehensive Safety Action Plan will also allow the City to be eligible in future years for additional grant funding to implement the safety improvement projects identified in the plan.

The department's traffic safety planning activities support the following Comprehensive Plans goals and policies:

FLU-3.2	**Improve the accessibility of Downtown.**
FLU-3.2.3	Create safe and attractive pedestrian and bicycle connections within downtown and riverfront, and between adjacent neighborhoods (bike lanes, trails, and complete sidewalks).
HN-1.2	**Limit high costs associated with building new infrastructure.**
HN-1.2.1	Use a cost/benefit analysis to guide City decisions when seeking infrastructure approvals.
TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
TI-1.4.1	Improve traffic flow and integrate safe pedestrian and bicycle travel into the transportation network, particularly at key intersections of high commercial and employment activity.
TI-1.4.2	Identify problematic roadways that create a hazardous environment for pedestrians and infill sidewalks where gaps exist in the network.
TI-1.4.3	Improve physical connections between and within neighborhoods through road extensions or improvements, bicycle lanes and trails, and a connected sidewalk network.
TI-1.4.4	Identify and designate key pedestrian and bicycle routes for improvements to neighborhood connectivity and walkability, including access to service areas.
TI-1.4.5	Reduce traffic congestion & improve emergency circulation by redesigning major corridors to include safe walking, biking, transit, & driving options & incorporating elements into initial design concepts thru final design documents.
TI-1.4.6	Continue infill sidewalk program to safely connect schools, residential areas, and commercial district.

Developing Solutions for Drainage Issues

When difficult drainage problems arise, the administrative staff within the department develop solutions and perform any necessary engineering design to address those issues. In 2022, department staff completed a drainage study in the Hillside Drive/South 7th Street area to develop a solution for five houses that were experiencing flooding. At the time of preparing this report, the department is nearing completion of these drainage improvements to relieve the flooding in this area.

Department staff also recently completed engineering plans to repair the mouth of the flood damaged inflow channel to Carol Ann Cross Lake. This is a contracted project, and it is currently under construction. Besides this project, department staff have completed engineering plans in the past year for drainage improvements at 700 Candlestick Court, 305 Chateau Drive, and 7810 Dover Circle.

Developing and performing the necessary engineering design to implement drainage solutions support the following Comprehensive Plan goals and policies:

FLU-1.4	**Ensure adequate, well-maintained infrastructure, public safety, and public facilities for all development and prevent development ahead of infrastructure and service provision.**
HN-1.2	**Limit high costs associated with building new infrastructure.**
HN-1.2.1	Use a cost/benefit analysis to guide City decisions when seeking infrastructure approvals.
TI-4.1	**Continue to ensure that customers within Fort Smith have access to reliable water, sewer, drainage, solid waste services by reducing or eliminating deficiencies and gaps in infrastructure systems.**
TI-4.2	**Ensure that utility and infrastructure systems can meet the City's long term needs.**
NCR-2.1	**Develop and manage watershed programs to minimize pollution from stormwater runoff and other sources.**
NCR-2.6	**Reduce stormwater runoff and flooding.**

Inventory/Rating of Sidewalks:

There are approximately 230 miles of sidewalks within the City of Fort Smith, and the Administration program is tasked with maintaining an inventory of those sidewalks. Inventoried sidewalks are rated based on condition in order to prioritize replacement projects. Potential projects are further prioritized by considering the average daily traffic volumes on adjacent roadways and their proximity to areas with high volumes of pedestrian traffic (such as schools, transit stops, shopping centers, the downtown area, hospitals, activity centers, churches, etc.).

In 2020, the department began constructing new sidewalks and accepting new sidewalk requests from citizens. New sidewalk requests are prioritized through a rating system that considers pedestrian usage, proximity to schools, average daily traffic, right of way requirements, and any

additional improvements that are required to construct the sidewalk (such as retaining walls and/or drainage facilities). Requests that are cost prohibitive will not be considered.

The inventory, rating, and prioritization of sidewalk projects supports the following Comprehensive goals and policies:

FLU-3.2	**Improve the accessibility of Downtown.**
FLU-3.2.3	Create safe and attractive pedestrian and bicycle connections within downtown and riverfront, and between adjacent neighborhoods (bike lanes, trails, and complete sidewalks).
TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
TI-1.4.1	Improve traffic flow and integrate safe pedestrian and bicycle travel into the transportation network, particularly at key intersections of high commercial and employment activity.
TI-1.4.2	Identify problematic roadways that create a hazardous environment for pedestrians and infill sidewalks where gaps exist in the network.
TI-1.4.3	Improve physical connections between and within neighborhoods through road extensions or improvements, bicycle lanes and trails, and a connected sidewalk network.
TI-1.4.4	Identify and designate key pedestrian and bicycle routes for improvements to neighborhood connectivity and walkability, including access to service areas.
TI-1.4.5	Reduce traffic congestion & improve emergency circulation by redesigning major corridors to include safe walking, biking, transit, & driving options & incorporating elements into initial design concepts thru final design documents.
TI-1.4.6	Continue infill sidewalk program to safely connect schools, residential areas, and commercial district.

Contracted Sidewalk Projects

In 2022, the department has used its excess fund balance to pay for contracted sidewalk repair projects in various locations throughout the City. Preparation of the engineering plans and project administration is being handled by the department's administrative staff. Project No. 22-20-A focused on 10,900 linear feet of sidewalks that needed to be widened in the Colony Place No. 2 Subdivision. This project was recently completed. Project No. 22-20-B is currently under construction and includes the replacement 20,275 linear feet of damaged sidewalk in the north and central parts of the City.

Construction of contracted sidewalk replacement projects support the following Comprehensive Plan goals and policies:

FLU-3.2	**Improve the accessibility of Downtown.**
FLU-3.2.3	Create safe and attractive pedestrian and bicycle connections within downtown and riverfront, and between adjacent neighborhoods (bike lanes, trails, and complete sidewalks).
TI-1.2	**Make major destinations highly accessible by all modes of transportation.**

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TI-1.4.6	Continue infill sidewalk program to safely connect schools, residential areas, and commercial district.
NCR-2.3	**Improve air quality.**

Keep Fort Smith Beautiful:

The Street Department's Administration program also provides funding and assistance to Keep Fort Smith Beautiful, which is a group of volunteer-driven citizens dedicated to enhancing the image and appearance of Fort Smith by creating a successful and aesthetically pleasing community. This group has been heavily involved with efforts to pick up litter, plant trees, and construct beautification projects that include landscaping and irrigation along key corridors within the city of Fort Smith.

Funding and assistance from the Administration program for Keep Fort Smith Beautiful supports the following Comprehensive Plan goal:

CCD-1.1	**Support beautification efforts along key corridors, at gateways, and in growth centers identified in the Preferred Future.**

Reviewing Developments:

In conjunction with the Engineering Department, staff from the Street Department's Administration program review proposed developments to ensure that appropriate public improvements meeting the City's street and drainage standards will be installed. Administrative staff also ensure that all easements and rights of way proposed for dedication are adequate for maintenance of the public facilities after the development is complete.

Review of proposed developments by Administrative staff for conformance to the City's street and drainage standards supports the following Comprehensive Plan Goal:

FLU-1.4	**Ensure adequate, well-maintained infrastructure, public safety, and public facilities for all development and prevent development ahead of infrastructure and service provision.**

Sidewalk Construction

The Street Department's Sidewalk Construction program promotes both pedestrian accessibility and connectivity. The program restores ADA compliant pathways in public rights of way by replacing deteriorated and dangerous sidewalks and constructing new sidewalks in gaps between existing sidewalk segments.

From June 2021 and June 2022, the Sidewalk Construction Program replaced 13,715 linear feet of sidewalk and constructed 42 handicap ramps. Sidewalks were replaced/constructed at the following locations:

- 121 feet along Barry Ave. between North 25th St. and Belle Ave.;
- 450 feet along Bluff Ave. between South T St and South S St.;
- 100 feet along Greenwood Ave. between Wharton St and South W St.;
- 480 feet along Horan Dr. between South 74th St. and Wedgewood Blvd.;
- 90 feet along Horan Dr. between Greenridge Dr. and Camelot Dr.;
- 2,186 feet along Jenny Lind Rd. between Market Trace and Harvard Ave.;
- 10 feet along Mussett Rd. between Eller St. and Oakgrove St.;
- 2,608 feet along North 41st St. between Grand Ave. and North O St.;
- 320 feet along North 9th St. between North J St. and North N St.;
- 300 feet along North O St. between North 41st St and Albert Pike Ave.;
- 50 feet along Park Ave. from North 38th St to North 39th St.;
- 700 feet along Phoenix Ave. from Massard Rd. to Rogers Ave.;
- 510 feet along Phoenix Ave. from South 62nd St. to South 66th St.;
- 2,350 feet along Rogers Ave. between Eastwood Blvd. to Old Greenwood Rd.;
- 620 feet along South 27th St. between Dallas Cir. and South Enid St.;
- 450 feet along South R St. between Bluff Ave. and Jenny Lind Rd.;
- 810 feet along South S St. between South 17th St, and Jenny Lind Rd.;
- 25 feet along Utica St. between S 28th St. and end of road;
- 1,535 feet along Windsor Dr. between Victoria Dr. and North 47th Ter.;

Note: Entry in red is located in ARDOT right of way.

For the remainder of 2022, the department will continue to construct new sidewalks along Phoenix Avenue to provide connection to Rogers Avenue. Once this is complete, new sidewalk will be constructed heading East along Rogers Avenue to the Barling City Limit. In addition, new sidewalks will be installed along Park Avenue between Waldron Road and Albert Pike Avenue.

The sidewalk construction performed by the Street Department supports the following Comprehensive Plan goals and policies:

FLU-3.2	**Improve the accessibility of Downtown.**
FLU-3.2.3	Create safe and attractive pedestrian and bicycle connections within downtown and riverfront, and between adjacent neighborhoods (bike lanes, trails, and complete sidewalks).
TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
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TI-1.4.6	Continue infill sidewalk program to safely connect schools, residential areas, and commercial district.
NCR-2.3	**Improve air quality.**

Street Construction

The Street Construction program handles minor asphalt overlays and concrete street and drainage improvements such as aprons, swales, curbs and gutters, deep patches, inlets, inlet tops, ditch paving, and concrete shoulders. This program also installs precast storm drains.

The street work performed by the Street Construction program improves both vehicular and pedestrian connectivity, accessibility, and traffic flow. Drainage improvements constructed by the program also improve vehicular and pedestrian connectivity, accessibility, and traffic flow by reducing the likelihood of flooded streets, pedestrian crossings, and sidewalks. The Street Construction Program was responsible for completing the drainage improvements at 700 Candlestick Court, 305 Chateau Drive, and 7810 Dover Circle. From June 2021 to June 2022, the Street Construction program constructed the following improvements:

- Constructed 12 drainage inlets;
- Repaired 2 street base failures;
- Spent 4 days plowing/removing snow;
- Replaced 1 concrete swale;
- Placed 767 linear feet of curb and gutter;
- Laid 120 linear feet of French drain;

- Laid 34 feet of drainage tile;
- Placed 7,809 tons of SB2 in alleys;
- Laid 946 Tons of hot mix;
- Placed 1,495 tons of wash rock;
- Placed 13,715 linear feet of side walk;
- Placed 42 handicap ramps;
- Placed 1,453 linear feet of ditch paving;
- Placed 3,350 linear feet of retaining walls;
- Replaced 3 concrete fillets in intersections;
- Replaced 2 catch basin lids;
- Replaced 6,783 square feet of concrete slab for 28 driveways;
- Installed 25 feet of guarded rail;
- Placed 1 bus shelters;
- Installed 30' of hand rail;
- Built 463' of privacy/chain link fence;
- Laid 130 pallets of sod;
- Assisted with flood response;
- Cleaned up debris after storms;
- Assisted with snow and ice pretreatment and removal.

Since June 2022, the Street Construction program has also completed a 38 foot x 38 foot concrete pad for the National Fitness Campaign located on the Southeast corner of Old Greenwood Road and South M Street. The Street Construction program has also completed one pedestrian refuge island located on Grand Avenue at North 18th Street and is currently working on two additional pedestrian refuge islands along Grand Avenue.

The work completed by the Street Construction program supports the following Comprehensive Plan goals and policies:

TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
TI-1.3.1	Improve connectivity throughout the City's roadway network to increase access and eliminate high volumes of traffic in residential thoroughfares. - Identify the major destination areas in town - Evaluate how cars travel from major roads to the destination areas - Improve these access routes to minimize travel through neighborhoods.
TI-1.4.1	Improve traffic flow and integrate safe pedestrian and bicycle travel into the transportation network, particularly at key intersections of high commercial and employment activity.
TI-1.4.3	Improve physical connections between and within neighborhoods through road extensions or improvements, bicycle lanes and trails, and a connected sidewalk network.

TI-2.1	**Ensure that business and industry have sufficient transportation infrastructure to support freight operations and business communications, including rail, air, highways, telecommunications, and pipelines.**
NCR-2.6	**Reduce stormwater runoff and flooding.**

Street Maintenance

The Street Maintenance program handles minor street repairs such as patching potholes, patching utility cuts, sealing cracks in pavement, and replacing short sections of curb and gutter. This program also constructs new concrete inlets, patches the insides of storm drain pipes, constructs minor sidewalk repairs, operates the street sweepers, operates the mosquito trucks, and manages the work of the "A" Team.

The "A" Team:

The "A" Team is composed of persons sentenced to community service, and they work seven days a week. Work performed by this group improves vehicular and pedestrian connectivity, accessibility, and traffic flow by reducing the likelihood of flooded streets, pedestrian crossings, and sidewalks. Since this group only uses hand tools, its work also supports air quality. In 2021, the "A" Team completed the following tasks:

- Worked 158 days clearing drainage easements and concrete swales;
- Worked 22 days clearing obstructions from main easements after a rain;
- Worked 52 days picking up litter from streets and right-of-ways;
- Worked 7 days in roadside ditches cleaning out leaves;
- Worked 21 days placing/removing barricades for the police department;
- Worked 4 days moving books at the library;
- Worked 6 days placing/removing wreaths for the National cemetery;
- Worked 19 days picking up branches at Forrest Park Cemetery;
- Worked 2 days helping sidewalk crew lay sod.

Work completed by The "A" Team supports the following Comprehensive Plan goals and policies:

TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
TI-1.3.1	Improve connectivity throughout the City's roadway network to increase access and eliminate high volumes of traffic in residential thoroughfares. - Identify the major destination areas in town - Evaluate how cars travel from major roads to the destination areas - Improve these access routes to minimize travel through neighborhoods.

TI-1.4.1	Improve traffic flow and integrate safe pedestrian and bicycle travel into the transportation network, particularly at key intersections of high commercial and employment activity.
TI-2.1	**Ensure that business and industry have sufficient transportation infrastructure to support freight operations and business communications, including rail, air, highways, telecommunications, and pipelines.**
NCR-2.1	**Develop and manage watershed programs to minimize pollution from stormwater runoff and other sources.**
NCR-2.3	**Improve air quality.**
NCR-2.6	**Reduce stormwater runoff and flooding.**

Street Maintenance Program:

Street and sidewalk work performed by the Street Maintenance program improves both vehicular and pedestrian connectivity, accessibility, and traffic flow. Drainage improvements constructed by the program also improve vehicular and pedestrian connectivity, accessibility, and traffic flow by reducing the likelihood of flooded streets, pedestrian crossings, and sidewalks.

Work completed by this program from June 2021 to June 2022 includes the following:

- Hauled 622 yards of concrete for sidewalk, driveway and utility repairs;
- Completed repairs to 5 bridges;
- Covered 3,486 miles spraying mosquitos;
- Worked 385 hours 49 days patching potholes with cold mix;
- Hauled 253 tons of asphalt for street repairs on utility cuts;
- Laid 2 City Streets using 620 tons of asphalt;
- Laid cemetery streets using 234 tons of asphalt;
- Ran asphalt planer for 3 days;
- Reconstructed 593 linear feet of curb and gutter at 43 locations;
- Reconstructed 450 linear feet of sidewalk in 42 locations;
- Constructed 7 concrete pads for bike racks;
- Constructed 2 concrete pads for bus shelters;
- Constructed 5 concrete bicycle pads for the Smilies Bike Share Program:
- Milled rises out of the road at 6 locations;
- Repaired 3 damaged meter poles;
- Repaired 2 base failures;
- Performed snow/ice pretreatment;
- Assisted with snow/ice removal;
- Assisted with flood response;
- Repaired brick streets at 2 locations;
- Excavated and poured 665 linear feet of deep patch;
- Installed 4 truncated dome plates in wheelchair ramps;
- Reconstructed 45 driveways;

- Repaired 235 utility cuts in roadway;
- Sandblasted graffiti from 4 locations.

Work completed by the Street Maintenance program supports the following Comprehensive Plan goals and policies:

TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
TI-1.3.1	Improve connectivity throughout the City's roadway network to increase access and eliminate high volumes of traffic in residential thoroughfares. - Identify the major destination areas in town - Evaluate how cars travel from major roads to the destination areas - Improve these access routes to minimize travel through neighborhoods.
TI-1.4.1	Improve traffic flow and integrate safe pedestrian and bicycle travel into the transportation network, particularly at key intersections of high commercial and employment activity.
TI-1.4.3	Improve physical connections between and within neighborhoods through road extensions or improvements, bicycle lanes and trails, and a connected sidewalk network.
TI-2.1	**Ensure that business and industry have sufficient transportation infrastructure to support freight operations and business communications, including rail, air, highways, telecommunications, and pipelines.**
NCR-2.3	**Improve air quality.**
NCR-2.6	**Reduce stormwater runoff and flooding.**

Street Sweeping:

In addition to the street, sidewalk, and drainage work previously mentioned, the Street Maintenance program also maintains and operates two street sweepers that sweep all the streets with curb and gutter within the City. Street sweeping removes polluted sediment from roadways and prevents it from entering the storm drainage system. From June 2021 to June 2022, the street sweepers covered 3,205 miles of City streets. This work supports the following Comprehensive Plan goal:

NCR-2.1	**Develop and manage watershed programs to minimize pollution from stormwater runoff and other sources.**
NCR-2.6	**Reduce stormwater runoff and flooding.**

Street Drainage

The Street Drainage program maintains the City's storm drainage system, clears roadways of storm debris, and handles the clearing of streets during freezing weather. Drainage system maintenance performed by this program includes clearing and cleaning of storm drains, culverts, detention ponds, concrete channels, ditches, and swales. Drainage maintenance performed by the program improves vehicular and pedestrian connectivity, accessibility, and traffic flow by

reducing the likelihood of flooded streets, pedestrian crossings, and sidewalks. The pretreatment and salt/sand operations performed by this program keep City streets as clear and passable as possible during freezing weather. This work improves both vehicular and pedestrian connectivity, accessibility, and traffic flow. Work completed by this program from June 2021 to June 2022 includes the following:

- Re-graded major creek beds at 3 locations;
- Placed 1,012 tons of rip rap in drainage ways and side slopes;
- Slurry rip rap 110 yards at 6 locations
- Completed required maintenance at 2 bridges;
- Cleaned and re-graded 7,913 linear feet of roadside ditches at 55 locations;
- Installed 231 linear feet of storm drain and culverts;
- Removed sediment from 5,506 linear feet of concrete swales at 23 locations;
- Hauled off 93 loads of debris from R Street and 3900 Kelley Hwy;
- Worked 110 days cleaning storm drains and flushing out 10,460 linear feet of culverts;
- Repaired sinkholes along storm drains at 39 locations;
- Removed limbs and debris from 46 locations;
- Placed 2,820 square yards of sod at 28 locations;
- Worked 2 days inspecting drainage outfalls for polluted discharges;
- Mixed approximately 1,200 tons of salt and sand and 13,200 gallons of brine;
- Worked 788 days cutting 66 trees, low limbs and cut backs at 146 locations;
- Worked 66 days mowing right of ways;
- Worked 76 days mowing detention ponds and city lots;
- Worked 5 days spraying rip rap and gabions;
- Worked 29 days mowing major drainage levees;
- Worked 9 days at burn site (storm debris), ashes hauled off;
- Worked 20 days removing storm debris;
- Worked 13 days removing median in No Name Creek;
- Worked 6 days on overflow swale at 309 Chateau;
- Assisted with snow and ice removal;
- Worked 7 days clearing leaves from ditches with Leaf Vac.

The Street Drainage program is currently working to complete the drainage improvements located in the Hillside Drive/South 7th Street area to relieve the flooding experienced by five houses.

Work completed by the Street Drainage program supports the following Comprehensive Plan goals and policies:

TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
TI-1.3.1	Improve connectivity throughout the City's roadway network to increase access and eliminate high volumes of traffic in residential thoroughfares. - Identify the major destination areas in town - Evaluate how cars travel from major roads to

	the destination areas - Improve these access routes to minimize travel through neighborhoods.
TI-1.4.1	Improve traffic flow and integrate safe pedestrian and bicycle travel into the transportation network, particularly at key intersections of high commercial and employment activity.
TI-2.1	**Ensure that business and industry have sufficient transportation infrastructure to support freight operations and business communications, including rail, air, highways, telecommunications, and pipelines.**
NCR-2.1	**Develop and manage watershed programs to minimize pollution from stormwater runoff and other sources.**
NCR-2.6	**Reduce stormwater runoff and flooding.**

Traffic Control Operations

The Traffic Control Operations program is responsible for maintaining the traffic signals at all 155 signalized intersections within the City and for maintaining all the signage located on City streets. Work performed by this program improves both vehicular and pedestrian connectivity, accessibility, and traffic flow. Work completed from June 2021 to June 2022 by this program includes the following:

Traffic Signals:

- Responded to 1,621 trouble calls
- Responded to 127 after hour's calls
- Installed speed radar signs at 22 locations.
- Installed traffic counters at 42 intersections.
- Installed BlueToad vehicle travel time devices at 4 locations
- Installed 1 Gridsmart system.
- Installed 1 set of Rectangular Rapid Flash Beacons (RRFB) at S. 27th St.
- Installed 4 sets of permanent speed radar detectors. Two sets on Massard south of Zero, one set on Country Club and the last set on S. 23rd.
- Compiled extensive data at 21 intersections for Parsons project.
- Updated controllers at 21 intersections for Parsons project.
- Installed cellar equipment at 21 intersections for Parsons project.
- Replaced traffic cabinets at 2 intersections
- Repaired or replaced 4 pedestrian poles that were knocked down.
- Replaced 7 intersection controllers.
- Replaced 5 intersection monitors.
- Replaced 225 signal head LED's
- Replaced 9 detection cameras.
- Replaced 3 inverters for battery backup systems.

- Replaced a power pole at Hwy 45 and Hwy 71 S.
- Performed preventative maintenance on all 155 traffic signals (including all battery backup systems and video detection systems), on all 55 school zone flashers, and 1 intersection flasher

Signs:

- 3,671 repairs or inspections
- Responded to 58 after hour's calls
- Replaced 78 stop signs;
- Replaced or installed 384 sign poles
- 4 way stops at 9 locations
- Fabricated over 200 Private Property signs for Administration

In 2021 and 2022, the Traffic Control Operations program continued working in conjunction with the Parsons Group on a 12 month long project to update the traffic signal timing and improve travel times on the Rogers Avenue corridor from Garrison Avenue to Meandering Way.

The Traffic Control Operations program is currently working on completing a Traffic Management Center which will allow real time intersection monitoring and quicker responses to issues with the traffic control system. The Traffic Control Operations program has installed Rectangular Rapid-Flashing Beacons at several locations across the City including the completed pedestrian refuge island on Grand Avenue at North 18th Street and will install them at the two additional pedestrian refuge islands on Grand Avenue once complete.

The Traffic Control Operations program also oversaw the 2021 Striping Replacement Project which replaced over 116,000 feet (22 miles) of old faded and worn out street striping within the City.

Work completed by the Traffic Control Operations program supports the following Comprehensive Plan goals and policies:

FLU-3.2	**Improve the accessibility of Downtown.**
FLU-3.2.3	Create safe and attractive pedestrian and bicycle connections within downtown and riverfront, and between adjacent neighborhoods (bike lanes, trails, and complete sidewalks).
TI-1.2	**Make major destinations highly accessible by all modes of transportation.**
TI-1.3.1	Improve connectivity throughout the City's roadway network to increase access and eliminate high volumes of traffic in residential thoroughfares. - Identify the major destination areas in town - Evaluate how cars travel from major roads to the destination areas - Improve these access routes to minimize travel through neighborhoods.
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TI-1.4.5	Reduce traffic congestion & improve emergency circulation by redesigning major corridors to include safe walking, biking, transit, & driving options & incorporating elements into initial design concepts thru final design documents.
TI-2.1	**Ensure that business and industry have sufficient transportation infrastructure to support freight operations and business communications, including rail, air, highways, telecommunications, and pipelines.**
NCR-2.3	**Improve air quality.**

Street Department Top 10 Projects

As requested by the Board of Directors, and in no particular order, below are the top 10 Street Department projects that we believe are the most important and most beneficial to Fort Smith:

1. Structure flooding relief projects – These include drainage improvement project locations at 1300 Gary St.; 10700 Saint Anthony's Ct.; S. 92nd Cr.; 3714 Bradley Dr.; Blair Ave. and Hillside Drive.
2. Storm response and cleanup – Includes storm debris cleanup after storms; pretreating for snow/ice, plowing snow and sanding bridges/hills after a snow storm.
3. Bridge maintenance and repairs – Includes crack sealing, concrete repair, guardrail repair, channel cleanout and other items as noted in ARDOT inspection reports.
4. Storm drain system maintenance and repair – Includes sinkhole repair, channel grading, storm drain installation, cleaning leaves and debris from storm drains, flushing clogged storm drains, and outfall inspections.
5. Street repairs, including utility cuts and pothole patching – Includes repairs from utility work on streets, sidewalks and driveways as well as patching potholes identified by the public and making various other roadway repairs.
6. Sidewalk construction – Includes both the construction of new sidewalks and the repair of existing sidewalks.
7. Traffic signal maintenance and repair – Includes all maintenance and repair necessary to keep the 155 signalized intersections in Fort Smith operating at all times, as well as battery backup system and video detection system inspection and maintenance.

8. Traffic sign production, maintenance, and replacement – Includes existing sign cleaning and repair, vegetation management around existing signs, and new sign and sign pole installation.
9. Drainage easement clearing and mowing – Includes easement maintenance by our Drainage department as well as workers on the A-Team as necessary to keep drainage easements and detention ponds clear.
10. Alley grading and repair – Includes grading alleys with the Grader and pothole repairs identified by citizens.

END OF REPORT.