



2018 COMPREHENSIVE PLAN UPDATE
for 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 projects and other relevant work performed by the Street Department in 2018 that pertain to comprehensive plan goals and policies. The Street Department is responsible for performing minor street construction projects, constructing curbs and gutters, maintaining the City’s drainage system including roadside ditches, detention ponds, creeks, inlets, and storm drains, maintaining and upgrading all traffic control devices, constructing and repairing sidewalks, and providing and installing high visibility street signage. Projects and work completed by the Street Department in 2018 that addressed comprehensive plan goals and policies fall 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 the inventory and rating of sidewalks, assisting Keep Fort Smith Beautiful, and working with the City of Fort Smith Streets, Bridges and Associated Drainage Capital Improvement Plan Advisory Committee.

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 whether they are “poor,” “fair,” or “good” 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.). The inventory, rating, and prioritization of sidewalk projects supports the following Comprehensive policy:

TI-1.5.1	Identify problematic roadways that create a hazardous environment for pedestrians and infill sidewalks where gaps exist in the network.
TI-1.6.1	Identify and designate key pedestrian and bicycle routes for improvements to neighborhood connectivity and walkability, including access to service areas.

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.
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Streets, Bridges and Associated Drainage Capital Improvement Plan Advisory Committee:

In 2018, the Director of the Street Department attended 3 meetings of the City of Fort Smith Streets, Bridges and Associated Drainage Capital Improvement Plan Advisory Committee. The Director received input from the committee regarding potential work for the Street Department and provided the committee with information relative to their selection of capital improvement projects. The department’s coordination efforts with the Streets, Bridges and Associated Drainage Capital Improvement Plan Advisory Committee supports the following Comprehensive Plan policy:

PFS-1.1.1	Work with groups in authority (Chamber, City Board, CBID, Chaffee Crossing, County, etc.) to improve communication and coordination.
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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.

In 2018, the Sidewalk Construction program replaced 21,484 linear feet of sidewalk and constructed 114 handicap ramps. Sidewalks were replaced at the following locations:

STREET	FROM	TO	MONTH(S)	FOOTAGE
33RD ST.	GRAND AVE.	NORTH L ST.	OCT / NOV/DEC	2075
34TH ST.	GRAND AVE.	NORTH L ST.	JULY / AUG / SEPT	1540
35TH ST.	KINKEAD AVE.	ALABAMA AVE.	APR/MAY/JUNE	1536
35TH ST.	ALABAMA AVE.	GRAND AVE.	MAY /JULY	1322
12TH ST.	SOUTH C ST.	SOUTH B ST.	APRIL	645
12TH ST.	SOUTH D ST.	SOUTH C ST.	MAY	605
9TH ST.	NORTH C ST.	NORTH D ST.	DEC	580
17TH ST.	SOUTH J ST.	SOUTH I ST.	JAN / FEB	550
NORTH B ST.	17TH ST.	18TH ST.	AUGUST / SEPT	520
16TH ST.	SOUTH J ST.	SOUTH I ST.	MAR / APR	500
NORTH B ST.	16TH ST.	17TH ST.	AUGUST / SEPT	495
9TH ST.	NORTH H ST.	NORTH I ST.	OCTOBER	440
16TH ST.	SOUTH I ST.	SOUTH H ST.	FEB / MARCH	385
NORTH B ST.	20TH ST.	21ST ST.	JULY / SEPT	360
14TH ST.	SOUTH D ST.	SOUTH C ST.	MARCH	360
SOUTH C ST.	12TH ST.	14TH ST.	MAR / APR	350
9TH ST.	NORTH E ST.	NORTH F ST.	NOV/DEC	340
14TH ST.	SOUTH F ST.	SOUTH E ST.	MARCH / APRIL	330
NORTH B ST.	18TH ST.	19TH ST.	SEPTEMBER	320
NORTH I ST.	8TH ST.	9TH ST.	OCTOBER	305
14TH ST.	SOUTH E ST.	SOUTH D ST.	FEB / MARCH	305
9TH ST.	NORTH G ST.	NORTH H ST.	NOVEMBER	300
20TH ST.	ROGERS AVE.	NORTH B ST.	AUGUST	300
15TH ST.	ROGERS AVE.	NORTH A ST.	JUNE / NOV / DEC	295
SOUTH J ST.	17TH ST.	18TH ST.	JAN / FEB	280
16TH ST.	SOUTH F ST.	SOUTH E ST.	JANUARY	265
NORTH A ST.	17TH ST.	18TH ST.	JULY	255
SOUTH E ST.	14TH ST.	LEXINGTON AVE.	FEB / APR	250
NORTH A ST.	16TH ST.	17TH ST.	JUNE / JULY	245
12TH ST.	SOUTH E ST.	SOUTH D ST.	MAY	240
16TH ST.	SOUTH C ST.	SOUTH B ST.	SEPTEMBER	205
12TH ST.	SOUTH F ST.	SOUTH E ST.	JUNE	200
14TH ST.	DODSON AVE.	SOUTH J ST.	APRIL	195
NORTH J ST.	7TH ST.	8TH ST.	DECEMBER	190
17TH ST.	DODSON AVE.	SOUTH J ST.	FEBRUARY	190
SOUTH C ST.	TOWSON AVE.	12TH ST.	MAY	185
NORTH I ST.	9TH ST.	10TH ST.	OCTOBER	180
NORTH A ST.	15TH ST.	16TH ST.	JUNE	175

NORTH B ST.	19TH ST.	20TH ST.	JULY	170
16TH ST.	NORTH A ST.	NORTH B ST.	AUGUST	170
NORTH D ST.	6TH ST.	7TH ST.	AUGUST	165
16TH ST.	DODSON AVE.	SOUTH J ST.	APRIL	165
NORTH B ST.	21ST ST.	22ND ST.	JULY	160
NORTH F ST.	9TH ST.	10TH ST.	NOVEMBER	160
SOUTH F ST.	LEXINGTON AVE.	16TH ST.	JANUARY	160
NORTH H ST.	9TH ST.	10TH ST.	OCTOBER	155
NORTH B ST.	15TH ST.	16TH ST.	AUGUST	150
SOUTH D ST.	TOWSON AVE.	12TH ST.	MAY	150
SOUTH E ST.	TOWSON AVE.	12TH ST.	JUNE	150
SOUTH E ST.	16TH ST.	17TH ST.	JANUARY	150
SOUTH H ST.	16TH ST.	17TH ST.	FEBRUARY	145
NORTH H ST.	8TH ST.	9TH ST.	OCTOBER	140
SOUTH E ST.	12TH ST.	14TH ST.	JUNE	140
SOUTH I ST.	17TH ST.	18TH ST.	JANUARY	140
NORTH F ST.	8TH ST.	9TH ST.	DECEMBDF	135
SOUTH I ST.	LEXINGTON AVE.	16TH ST.	FEBRUARY	135
9TH ST.	NORTH B ST.	NORTH C ST.	DECEMBER	135
SOUTH E ST.	LEXINGTON AVE.	16TH ST.	JANUARY	105
SOUTH J ST.	16TH ST.	17TH ST.	FEBRUARY	100
9TH ST.	NORTH F ST.	NORTH G ST.	NOVEMBER	95
19TH ST.	ROGERS AVE.	NORTH B ST.	JULY	90
MIDLAND	CARNES	N 28	OCTOBER	75
12TH ST.	SOUTH B ST.	SOUTH A ST.	APRIL	75
40TH ST.	ALABAMA AVE.	GRAND AVE.	JUNE	50
NORTH A ST.	18TH ST.	ROGERS AVE.	JULY	45
GRACIE LN.	HICKORY LN.	RED CEDAR CR.	OCTOBER	40
KELLEY HWY.	39TH ST.	40TH ST.	NOVEMBER	40
26TH CR.	END OF ROAD	ZERO ST.	MARCH	30
GARRISON AVE	N 6 ST	N 7 ST	AUGUST	15
BROOKEN HILL DR.	BELHAVEN VIEW	JENNY LIND RD.	FEBUARY	10
9TH ST.	ROGERS AVE.	GARRISON AVE.	JULY	10
19TH ST.	SOUTH I ST.	SOUTH H ST.	MARCH	10
ZERO ST.	HWY 271		SEPTEMBER	6
TOTAL				21484

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.
TI-1.5	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-1.5.1	Identify problematic roadways that create a hazardous environment for pedestrians and infill sidewalks where gaps exist in the network.
TI-1.6	Improve physical connections between and within neighborhoods through road extensions or improvements, bicycle lanes and trails, and a connected sidewalk network.
TI-3.2	Support pedestrian access throughout the city, with a focus on attractive, safe, and contiguous sidewalk connections between destinations.
TI-3.2.1	Continue infill sidewalk program to safely connect schools, residential areas, and commercial district.

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. In 2018, the Street Construction program constructed the following improvements:

- Constructed 6 drainage inlets;
- Reconstructed 4 drainage inlet tops;
- Placed 216 feet of steel grates;
- Reconstructed 6 concrete swales;
- Constructed 1921 linear feet of curb and gutter;
- Constructed 60 linear feet of underdrain;
- Constructed 291 linear feet of storm drain pipe;
- Constructed 65 linear feet of concrete box culverts;
- Placed 3544 tons of Class 7 base course in alleys;
- Constructed 660 square yards of concrete pavement in alleys;
- Placed 312 tons of hot mix asphalt on City streets;
- Constructed 220 linear feet of concrete ditch paving;

- Constructed 876 linear feet of retaining walls;
- Reconstructed 7 concrete aprons at intersections;
- Placed 690 tons of wash rock in French drains and other areas in right-of-way;
- Reconstructed 2156 square yards of concrete driveways totaling 65 aprons;
- Replaced 26 linear feet of guard rail;
- Installed 205 linear feet of handrail;
- Installed 7 bollards;
- Replaced 4 catch basin grates;
- Built 180 linear feet of fence;
- Constructed 5 bus shelter pads;
- Laid 123 pallets of sod;
- Performed maintenance and repair work on over 100 trucks and pieces of equipment.

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-1.4.2	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-1.5	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-1.6	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.
TI-2.1.4	Improve vehicular access to the riverfront.
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 2018, the “A” Team completed the following tasks:

- Worked 36 days cleaning leaves from roadside ditches;
- Worked 176 days clearing drainage easements and concrete swales;
- Worked 27 days clearing sidewalks and curbing;
- Worked 24 days clearing obstructions from main drainage easements after rain;
- Worked 38 days picking up litter from right of ways;
- Worked 47 days on work request tickets;
- Worked 36 days cutting and clearing out drainage ditches.

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-1.4.2	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-1.5	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.
TI-2.1.4	Improve vehicular access to the riverfront.
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 in 2018 includes the following:

- Worked 159 days patching pot holes with cold mix asphalt;
- Worked 76 days repairing utility cuts and patching pot holes with hot mix asphalt;

- Repaired 138 utility cuts in the roadway;
- Covered 7492 miles spraying mosquitos
- Hauled 3640 cubic yards of concrete for sidewalk, driveway and utility repairs;
- Crack sealed 6274 linear feet of City streets;
- Reconstructed 857 linear feet of sidewalk at 79 locations;
- Repaired storm drain inlets at 2 locations;
- Repaired sinkholes along storm drains at 35 locations;
- Constructed 9 concrete pads for bus shelters;
- Reconstructed 468 linear feet of curb and gutter at 33 locations;
- Constructed/reconstructed 130 linear feet of concrete swales and drainage ditches at 5 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-1.4.2	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-1.5	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-1.6	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.
TI-2.1.4	Improve vehicular access to the riverfront.
NCR-2.6	Reduce stormwater runoff and flooding.

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. In 2018, the street sweepers covered 4,378 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.
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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 in 2018 includes the following:

- Re-graded 18,054 linear feet of major creek beds at 11 locations;
- Removed sediment from 16,570 linear feet of concrete swales and drainage ditches;
- Placed 406 tons of rip rap in drainage ways and on street side slopes;
- Cleaned and re-graded 8,927 linear feet of roadside ditches;
- Constructed 460 linear feet of storm drain and culverts;
- Worked 174 days cleaning storm drains and flushing out 11,070 linear feet of culverts;
- Repaired sinkholes along storm drains at 45 locations;
- Worked 20 days checking drainage outfalls for polluted discharges;
- Cut low limbs and sight obstructions at 120 locations;
- Spread approximately 40 tons of mixed salt and sand on City streets.
- Removed limbs and debris from 103 locations
- Worked approximately 150 days mowing drainage easements and right-of-ways;
- Worked 48 days spraying rip rap and gabions;
- Hauled off 191 loads of debris from R Street;
- Laid 3,660 square yards of sod at 30 locations;

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-1.4.2	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-1.5	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.

TI-2.1.4	Improve vehicular access to the riverfront.
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 151 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 in 2018 by this program includes the following:

Traffic Signals

- Replaced older style pedestrian crossing heads with clamshell type countdown LED's at 1 intersection;
- Installed countdown pedestrian crossing LED's at 2 additional intersections;
- Implemented new timing plans downtown at 21 signalized intersections;
- Installed video detection systems at 2 intersections;
- Moved 2 radar speed limit signs to 3 different locations throughout the City;
- Replaced traffic cabinets at 4 intersections;
- Performed preventative maintenance on all 151 traffic signals (including all battery backup systems and video detection systems), on all 55 school zone flashers, on 1 single flasher, and verified operation of all networks;
- Responded to 1216 trouble calls, 92 of which were after hours calls;
- Repaired or upgraded emergency preemption at 69 intersections;

Signs

- 3,848 repairs or inspections
- Responded to 64 after hour's calls
- Replaced 141 stop signs;
- Replaced or installed 561 sign poles;
- Removed 206 linear feet of old pavement markings;
- Painted crosswalks at 250 approaches;
- Painted 365 linear feet of stop bars.

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-1.4.2	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-1.5	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-1.6	Improve physical connections between and within neighborhoods through road extensions or improvements, bicycle lanes and trails, and a connected sidewalk network.
TI-1.7	Reduce traffic congestion & improve emergency circulation by redesigning major corridors to incl. 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.
TI-2.1.4	Improve vehicular access to the riverfront.

END OF REPORT.