



City of Conway
Transportation Department

ANNUAL REPORT

FY 2019

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GENERAL DESCRIPTION

General Description

MISSION STATEMENT

To provide professional, courteous services to the citizens of Conway, and bring value, efficiency and quality to municipal operations through precision, discernment, and dedication.

VISION STATEMENT

To provide the safest, most efficient transportation and storm water infrastructure systems in the state to every resident and visitor of Conway.

PRIMARY FUNCTIONS

The City of Conway Transportation Department is solely responsible for maintaining the city's approximately 365 miles of local roadways and approximately 60 traffic signals. In addition, the department provides engineering and construction inspection services for the City of Conway.

STAFF

Forty-seven positions (forty-four full-time, two part-time, and one contract labor) were authorized for the Transportation Department by the City Council last year. Due to our high turnover rate and difficulty in finding qualified personnel, approximately thirty-seven of these positions were filled at year end. These staff were categorized into the following sections:

DEPARTMENTAL DIVISIONS

DIVISION	# OF EMPLOYEES
Administration	3
Engineering	4
Traffic	4
Construction	14
Maintenance	12

HIGHWAY TURNBACK FUNDS REPORTING

All information necessary to satisfy the City of Conway's annual reporting requirements to the Arkansas House Public Transportation Committee and the Senate Transportation, Technology and Legislative Affairs Committee, regarding utilization of highway revenues and highway severance turnback funds, is contained within this document and highlighted in yellow; specifically,

- "...a general ledger accounting of the city or county street/road fund..."

GENERAL DESCRIPTION

- "...the percentage of the street/road fund that is comprised of state funds..."
- "...details of each contracted project including type and description of project, and total amount of money spent on the project..."

STREET FUND

Street Fund

REVENUE

Below is a summary of revenue as of the date of publication of this report. For more information, please contact the Finance Department.

REVENUE		
SOURCE	BUDGETED	ACTUAL
Ad Valorem Tax	\$1,500,000.00	\$1,396,440.00
Sales Tax	\$270,000.00	\$213,391.26
State Tax Turnback – Gasoline	\$2,683,474.00	\$2,224,206.94
State Tax Turnback – Sales	1,320,000.00	\$1,179,312.47
Severance Tax	\$120,000.00	\$114,589.78
Payments in Lieu of Tax	\$8,000.00	\$5,853.40
Licenses and Permits	\$0.00	\$0.00
Sign Permits	\$0.00	\$660.00
Engineering Fees	\$10,000.00	\$19,400.00
Interest Income	\$96,000.00	\$111,886.71
State Grant Revenues	\$133,859.09	\$133,859.09
Transfers from other funds	\$0.00	\$0.00
Insurance Proceeds	\$0.00	\$85.00
Fund Balance Appropriation	\$575,974.62	\$0.00
Federal Grant Revenues	\$0.00	\$0.00
Proceeds from Sale of Assets	\$0.00	\$8,460.01
Miscellaneous Revenues	\$841.73	\$2,591.76
TOTAL	\$6,718,149.44	\$5,410,736.42

The underlined funding sources shown above indicate state funds. The percentage of the Street Fund that was comprised of state funds last year (as of the date of publication) was 61.38% of budgeted revenue and 65.02% of actual revenue.

STREET FUND

EXPENSES

The summary below reflects all expenditures processed for last year as of the date of publication of this report.

EXPENDITURES		
CATEGORY	BUDGETED	ACTUAL
Personnel	\$2,446,610.00	\$2,366,139.38
Professional Services	\$274,250.00	\$145,427.52
Maintenance & Construction	\$1,137,526.00	\$887,227.18
Traffic Signal Maintenance	\$343,341.73	\$432,139.02
Alternative Transportation	\$338,704.00	\$304,382.34
Fuel & Supplies	\$238,000.00	\$186,447.33
Other Operating Expenses	\$115,500.00	\$104,005.32
Capital Improvement Projects	\$1,297,853.00	\$1,206,604.98
Capital Equipment	\$883,086.62	\$297,268.11
TOTAL	\$7,074,871.35	\$5,929,641.18

As of the date of publication of this report, the street fund budget surplus is \$1,145,230.17. The actual surplus is likely less than half this number, as there are a significant number of outstanding invoices. The summary below reflects all expenditures processed as of the date of publication in accordance with state required categories.

EXPENDITURES (STATE CATEGORIES)		
CATEGORY	BUDGETED	ACTUAL
Bicycle Paths	\$0.00	\$0.00
Bridges	\$0.00	\$0.00
Drainage Maintenance	\$0.00	\$0.00
Highways	\$0.00	\$0.00
Hot Mix, Asphalt, Gravel, Concrete, Paint, Steel	\$425,000.00	\$457,514.89
Intelligent Transp. Systems	\$0.00	\$0.00
Intermodal Facilities	\$0.00	\$0.00
Other Surface/Water Transp.	\$0.00	\$0.00
Parking Facilities	\$0.00	\$0.00

STREET FUND

Pedestrian Ways	\$0.00	\$0.00
Port Authorities	\$0.00	\$0.00
Public Transit Systems	\$184,000.00	\$184,000.00
Railroads	\$0.00	\$0.00
Roads/Streets	\$5,941,350.62	\$4,776,738.05
Safety Improvements	\$7,500.00	\$850.51
Sidewalks	\$154,705.00	\$120,382.34
Lighting/Right of Way Maint.	\$161,475.00	\$169,873.10
Toll Facilities	\$0.00	\$0.00
Traffic Mgmt. Systems	\$0.00	\$0.00
Traffic Signal Systems	\$200,841.73	\$220,282.29
Trails	\$0.00	\$0.00
Traveler Information Systems	\$0.00	\$0.00
Tunnels	\$0.00	\$0.00
TOTAL	\$7,074,871.35	\$5,929,641.18

MAJOR PROJECT FUNDING

Major Project Funding

STREET SALES AND USE TAX

The summary below reflects last year's total revenue, expenditures, and budget of the Street Sales and Use tax as of the publication date of this report.

SUMMARY

REVENUE	EXPENDITURES	BUDGET
\$4,301,214.95	\$453,999.10	\$6,039,200.00

The majority of the expenditures from last year facilitated the completion of Stanley Russ Road Improvements - phase 1. The remainder of last year's revenue will be rolled over into the 2020 fiscal year to fund major projects such as Donaghey Avenue, Salem Road, and Harkrider Street.

PAY AS YOU GO SALES TAX

The summary below reflects all revenues and expenditures processed last year fiscal year as of the date of publication of this report.

SUMMARY

REVENUE	EXPENDITURES	BUDGET
\$2,847,059.65	\$2,910,558.98	\$3,867,100.00

Last year the Pay-As-You-Go sales tax funded the Oak Street Adaptive Signal Control System, Markham Street Jump Start Improvements, Bruce Street Improvements, Chestnut & Van Ronkle Improvements, Sugar Creek Flood Control Grant, Prince Street and Davis Street Sidewalk Maintenance, various drainage maintenance projects, as well as loan payments. For a detailed accounting of the Pay-As-You-Go account, please contact the Finance Department.

IMPACT FEE

The summary below reflects last year's total revenues and expenditures, and balance of the Impact Fee account as of the publication date of this report.

SUMMARY

REVENUE	EXPENDITURES	BALANCE
\$564,160.63	\$656,186.25	≈\$1,300,000.00

MAJOR PROJECT FUNDING

The majority of last year's expenditures were related to the construction phase of the Dave Ward Drive Adaptive Signal Control System, which should be completed this year. The balance of the impact fee fund, should be sufficient to complete this project as well as the roundabout construction at Salem & Irby. An accurate accounting of major project fund revenue will be completed in the first quarter of this year. For more information, please contact the Finance Department.

STORMWATER FUND

The summary below reflects the revenue, expenditures, and balance of the stormwater fund as of the date of publication of this report.

SUMMARY		
REVENUE	EXPENDITURES	BALANCE
\$21,040.64	\$0.00	\$69,612.74

The Stormwater fund, also known as the in-lieu detention fund, does not generally generate enough revenue for large projects. It was last used in 2016 to hire a consultant to research and write the necessary language for a stormwater utility.

SIDEWALK FUND

The summary below reflects the revenue, and expenditures, and balance of the in-lieu sidewalk fund as of the date of publication of this report.

SUMMARY		
REVENUE	EXPENDITURES	BALANCE
\$27,217.99	\$0.00	\$141,251.03

The available balance of the sidewalk fund will be used in 2020 for the completion of the Tyler Street sidewalk project.

CONSTRUCTION PROJECTS

Construction Projects

STREET CREW PROJECTS

- **College & Country Club - Mini Roundabout** – Conway's first mini roundabout was opened before the start of the 2018/2019 school session. \$42,309.63 was spent in 2019 to add sidewalks.
- **Chestnut & Van Ronkle - Mini Roundabout** – Conway's second roundabout was completed last year at a cost of \$247,450.59. The project will be completed this year with the reconstruction of a century-old box culvert.
- **Augusta Avenue Improvements - Robinson to Louvenia** – This project provided improvement to one of the last gravel roads of the original Conway plat of 1917. Expenditures totaled \$30,086.33 in 2018 and the improvements were completed in 2019 at a cost of \$85,455.98.
- **Stanley Russ Road Improvements - Donaghey to Bill Bell** – Phase one of this much needed roadway improvement, East of Wasson Road, was completed in 2019 at a cost of \$184,940.15.
- **5th Avenue Splash Pad Parking Lot - Central Landing Boulevard** – Construction of the parking lot to accompany the new splash pad was completed by the Transportation Department in 2019.

PRIVATE CONTRACTOR PROJECTS

- **Bruce Street/6th Street Improvements - Harkrider to Interstate 40** – The final paving of Bruce Street was completed by A&B Dirt movers last year at a cost of \$256,971.56. The pavement marking was completed by Contractor's Specialty Company at a cost of \$10,442.00, and United Fence installed the necessary fencing for \$14,635.00.
- **Bruce & Harkrider - Signal Improvements** – The signal modifications at this intersection, which were necessary as a result of the Bruce Street Improvements, were completed by All Service Electric in 2019 at a cost of \$56,065.38.
- **Dave Ward Drive Adaptive Signal Control System - Hogan to I-40** – Desoto County Electric completed the construction phase of this project last year at a cost of \$478,141.15. Additionally, Temple Incorporated began the validation. \$73,247.45 was spent on this final phase last year, which will be completed in 2020.
- **Tyler Street Improvements - Sena to Washington** – Rogers Group completed the overlay as well as the majority of the sidewalk installation in 2019 at a cost of \$1,196,789.78. The project will be completed in 2020.
- **Dave Ward Drive Pedestrian Overpass - Stone Dam Creek @ Dave Ward** – Manhattan Road completed construction on this project to connect Stone Dam Creek Trail across Dave Ward Drive in 2019. Funding for this project is provided by the Parks & Recreation Department.
- **Gatlin Park Pedestrian Bridge Replacement - Tucker Creek Trail @ North Parking Lot** – Graylee Construction completed the replacement bridge in 2019. Funding for this project is provided by the Parks & Recreation Department.

CONSTRUCTION PROJECTS

- **Oak & East German – Traffic Signal** – Fureigh Electric was contracted in 2018 to replace the degrading wire in this aging signal. The work was completed in 2019 at a cost of \$12,234.00.
- **Court Street Box Culvert – South of Oak Street** – Emergency repairs were performed by JCI Construction when a box culvert top fell in 2019 between Court and Oak. \$14,250.00 was charged for the repairs.
- **Tucker Creek Concrete Repair – Salem to Tyler** – Broken Concrete panels on Tucker Creek Road were replaced by JCI Construction in 2019 in preparation for the asphalt overlay being replaced. \$15,300.00 was charged for the repairs.
- **Thousand Oaks Circle – Walnut to Walnut** – Asphalt Pavers, Inc. charged \$12,825.00 in 2019 for the repaving of this old and rarely traveled road, which was necessary for the safety of the residents in order to preserve fire access.
- **Salem Road Microsurface – College to Dave Ward** – Donelson Constructions charged \$93,208.50 in 2019 to apply a microsurface treatment to Salem Road in an attempt to preserve the existing asphalt surface until it can be rebuilt in 2021.
- **2019 Pavement Marking – Ward 3** – Contractor's Specialty Company was contracted to provide Ward 3 pavement marking at a cost of \$148,838.33 in 2019.
- **Tyler Street Bridge – Tucker Creek** – A total of \$53,525.71 was paid to Township Builders in 2019 for this grant project that is scheduled to be completed in 2020.
- **Markham Street Improvements – Spruce to Van Ronkle** – Fureigh Heavy Construction was paid \$149,617.58 for work performed on this project in 2019.

MAINTENANCE ACTIVITIES

Maintenance Activities

ROADWAY MAINTENANCE

In an effort to complete all the improvement projects assigned to Street Department work crews by the City Council last year, very few personnel and equipment were available for routine street maintenance. Only asphalt patching, mowing of street right of way and sweeping activities were performed on a daily basis. All other equipment and personnel were engaged full time on the designated street reconstruction projects listed in the previous section of this report.

Operating with a lean staff often creates situations wherein repair and maintenance needs cannot be addressed immediately. Typically, work requests are handled on a first come, first serve basis. However, some requests take priority over others due to severity. The duties and responsibilities of this department could easily justify several additional positions and additional equipment. However, it has been our practice to keep staffing levels to a minimum and reserve the maximum possible funding to address street reconstruction and street paving. Presently we have only the basic staff to address each of the key components of our responsibility, as listed in the remainder of this section.

ASPHALT OVERLAYS

Asphalt overlay is an effective method of prolonging the life of a roadway. The preparation of streets for asphalt paving required milling of the existing pavement prior to the placement of new pavement. An annual asphalt milling and paving contract was secured with Rogers Group, and the work was supervised by the Transportation Department. All of the work was completed in 2019, but not of the invoices have been paid, with the exception of Tyler Street which is listed above.

- | | |
|--|--|
| • Tucker Creek Rd. – Salem to Tyler | • Dillard Dr. – Winstead to Marlise |
| • Davis St. – Dave Ward to Robins | • Marlise Dr. – Chase to Dillard |
| • Robinson Ave. – Farris to Locust | • Westwood Cir. – Broadview to end |
| • 6th St. – Harkrider to 1 st | • Broadview Ave. – Gatlin Park to Manor |
| • College Ave. – Salem to Donaghey | • Parkview Cir. – Bellwood to end |
| • Prince St. – Donaghey to Locus | • Parkwood Dr. – Bellwood to end |
| • Wilmington Dr. – Winstead to Marlise | • Bellwood Dr. – Broadview to Parkwood |
| • Winstead Dr. – Wilmington to Dillard | • Centennial Club Dr. – Bay Hill to Tyler |
| • Destin Dr. – Winstead to Marlise | • Morningside Dr. – Timberlane to Tucker |
| • Chase Dr. – Winstead to Marlise | Creek |

ASPHALT REPAIR

A three-man asphalt patching crew worked full time, removing and replacing pavement failures and filling pot holes. In addition, considerable time was devoted to the repair of street cuts made by the Conway Corporation.

MAINTENANCE ACTIVITIES

RIGHT OF WAY MAINTENANCE

Street department personnel address maintenance issues within the street right of way on an as-needed basis as time allows. Common maintenance issues include tree trimming, repair of broken curbs and inlets, debris removal, and minor drainage issues.

Trees are trimmed by department personnel to ensure proper lines of sight with signs and other vehicles if possible. If a dead tree within the street right of way poses a safety risk, a contract is secured with a tree cutting service for removal.

SIDEWALK MAINTENANCE

Beginning in 2019 a small concrete crew was dedicated to the repair of broken sidewalks. Last year their time was focused on Prince Street and Davis Street. A total of \$25,721.97 was spent on concrete to repair these areas.

EMERGENCY RESPONSE

Utilizing three snow plows, two sand spreaders, and a motorgrader, the street department personnel responded to emergency call out duties when a winter weather event created hazardous driving conditions on City Streets. The snow plows were utilized to remove the snow and slush from arterials and collectors to speed the clearing of the material from the roadway. The spreaders distributed sand and salt on steep hills and major intersections to enhance traction and speed melting.

Street department personnel also respond when severe weather causes tree limbs or other debris to fall in the roadway. Generally, the debris is cut into manageable pieces using chainsaws, stacked on the side of the road, and retrieved the following day.

TRAFFIC SIGNS AND PAVEMENT MARKINGS

The traffic division utilized sign making equipment to make and install street marker signs in new subdivisions and as well as replacement warning and regulatory signs as they are stolen, faded, or destroyed. A contract was secured by the street department with Arkansas Fence and Guardrail to refresh all pavement markings in ward 2. Pavement markings in other wards were placed or repainted as necessary by the traffic and pavement marking crew.

MOWING STREET RIGHT OF WAY

While much of the street right of way within the city is maintained by adjacent landowners, there are still many miles of undeveloped land in town that must be mowed by the city in order to prevent accumulation and maintain adequate lines of sight. The majority of mowing performed by the street department is on open ditch roadways in rural or undeveloped areas. Two men operating bush hogs dedicated themselves full time to mowing these areas.

Olive Branch Landscape Management was Contracted last year to maintain roundabout central islands, roadway medians, and sidewalk buffers at a cost of \$95,297.38. An ordinance requiring adjacent property

MAINTENANCE ACTIVITIES

owners to maintain ROW adjacent to their property would remove the need to mow sidewalk buffers and decrease this cost significantly.

STREET SWEEPING

For the majority of the year two street sweepers were operating full time. One sweeper was primarily dedicated to keeping bike lanes free of debris, while the other one focused on the rest of the city. Sweepers were run overtime from September until December to aid in the removal of accumulated leaves and grass from roadway gutters.

The department maintains two different types of street sweepers, a mechanical broom model, and a regenerative air model. The first excels at removing large debris, while the second cleans smaller and lighter debris with less mess. Ideally, these two sweepers would operate in tandem. However, they normally operate independently due to the size of our city. Increasing the department's fleet of sweepers would significantly increase the rate and efficiency of cleaning.

DRAINAGE MAINTENANCE

Cleaning and repairing drainage ditches is essential to preventing blockages and upstream flooding problems. The most common request received from Conway's residents is for additional drainage maintenance. Unfortunately, there are several factors that prevent the department from adequately responding to these requests. First, personnel were only intermittently available for this type of maintenance when weather or other factors prevented them from working on construction projects. Additionally, much of this work is along narrow concrete or earthen channels between back yards, which significantly slows progress. Furthermore, many of the drainage ditches that require the most maintenance reside in drainage easements that are not part of the road right of way. As a result, maintenance of these easements are not a legitimate street fund expense according to state law. An alternate funding source, such as a drainage utility, is desperately needed to provide the necessary personnel and equipment necessary to adequately maintain the city's drainage easements.

Beginning in 2018, mulching of vegetation along major streams and waterways within the city began in an attempt to decrease the potential for flooding. After an area is mulched by the Transportation Department crews the vegetation is kept at bay by means of chemical weed control. Last year Arkansas Weed & Brush was contracted to provide this service at a cost of \$23,949.

Engineering Services

PROJECT DESIGN & CONSTRUCTION ENGINEERING

Design and construction engineering for city street, drainage and sidewalk construction projects were provided for the following projects:

- **Chestnut & Van Ronkle Improvements** – *Oak to Markham* – Final Plans and Specifications were completed last year by the Transportation Department for the portion of this project constructed by the Transportation Department. Multi-agency coordination, and construction engineering were also provided. Plans are nearly complete for the second phase of this project, which is scheduled for bid in 2020.
- **Augusta Avenue Improvements** – *Robinson to Louvenia* – Construction engineering was provided by the Transportation Department for this project, which was completed in 2019.
- **College & Country Club Improvements** – *Mini Roundabout* – Construction plans, utility coordination, and construction engineering for Conway's first mini roundabout were provided in 2018. In 2019 the same services were provided to add sidewalks to the project.
- **Tyler Street Improvements** – *Sena to Washington* – Engineering design, right-of-way acquisition, coordination, and construction engineering were provided for this project by the Transportation Department in 2019, which should be completed in 2020.
- **Salem & Irby** – *Roundabout Installation* – A topographic survey was provided by Central Arkansas Professional Surveying in 2019 and 60% design plans were completed by the Transportation department. Final plans and specifications should be completed by the Transportation Department in 2020.
- **Salem & Tyler** – *Roundabout Installation* – A topographic survey was provided by Central Arkansas Professional Surveying in 2019 and Preliminary design was completed by the Transportation Department. Final Plans and Specifications should be completed in 2020.
- **5th Avenue Splash Pad Parking Lot** – *Central Landing Boulevard* – Design, construction engineering, and multi-agency coordination began on this project in 2018 which and was completed in 2019 by the Transportation Department.
- **Pavement Marking** – *Ward 3* – Detailed plans and specifications were prepared by the Transportation Department for the Ward 3 pavement marking project in 2019.
- **Stanley Russ Road Improvements** – *Donaghey to Bill Bell* – Final design plans as well as construction engineering were provided by the transportation department for this project in 2019.
- **Nutters Chapel Road Improvements** – *Wineberry to TJ* – Topographic Survey was completed in 2019 by Central Arkansas Professional Surveying. In addition, 30% design plans for this project were completed by the Transportation department in 2019.
- **Hillman Street Reconstruction** – *Donaghey to Davis* – Engineering design for this project was completed by the Transportation Department in 2019.

ENGINEERING SERVICES

- **Salem Road Improvements** – *College to Dave Ward* – Topographic survey was completed by Central Arkansas Professional Surveying Last Year. Preliminary Engineering was completed by the Transportation department. Final Plans and Specifications should be completed in 2020.
- **Gatlin Park Bridge Replacement** – *Tucker Creek* – Construction Engineering was provided by the Transportation Department for this grant project, which was completed last year.
- **Old Conway Sidewalks** – *Prince Street, Davis Street* – Construction Engineering was provided by the Transportation Department for this project last year, which continues into 2020.
- **Bruce and 6th Street** – *Tucker Creek* – Construction Engineering was provided by the Transportation Department for this project, which was completed last year.
- **Ed Speaker @ Hilton** – *Intersection Improvements* – Engineering design was completed last year for this project which is scheduled for completion in 2020.
- **Asphalt Overlay Program** – *Citywide* – Construction Engineering was provided last year by the Transportation Department for the annual asphalt overlay program.
- **Oak & East German** – *Rewire* – Construction Engineering was provided last year for this project by the Transportation Department.
- **Tyler Street Bridge Replacement** – *Tucker Creek* – Construction Engineering was provided for this project last year by the Transportation Department.
- **Salem Road Improvements** – *College to Dave Ward* – 30% design plans were prepared for this project last year by the Transportation Department.
- **Nutters Chapel (Wineberry to TJ)** – *College to Dave Ward* – 30% design plans were prepared for this project last year by the Transportation Department.
- **Nutter Chapel (Mattison to PB)** – *College to Dave Ward* – Preliminary design plans were prepared for this project last year by the Transportation Department.

DEVELOPMENT REVIEW SERVICES

Engineering services were provided to the planning department for the review of all preliminary plats, final plats, and development plans to ensure compliance with federal, state, and local requirements as well as sound engineering design. Design review was completed the following projects last year:

- | | |
|---------------------------------------|------------------------------------|
| • Arkansas Urology | • Taco Bell at Centerstone |
| • Hums Hardware | • Hometown Motors |
| • Detco Industries | • UPS Distribution Facility |
| • German Lane Apartments | • Harley Davidson Expansion |
| • Vision Care Sports Addition | • Shelby Trail Commercial |
| • I-40 Storage | • SFI Building Addition |
| • Conway Regional MOB | • Massey Apartments |
| • Sissy's Log Cabin | • Hambuchen Warehouse |
| • Covington Tenant Development | • Azalea Loop Duplexes |

ENGINEERING SERVICES

- **Plaza at Centerstone Ph3**
- **Conway Regional Parking Addition**
- **Walk On's Bistreaux & Bar**

Upon completion, all improvements were or will be inspected by the Transportation Department to ensure compliance with the approved plans and specifications. A total of 37 private developments were inspected for compliance in last year.

CONSTRUCTION INSPECTION

Construction management and quality control were provided by the Transportation Department for all street and drainage improvement projects constructed by Transportation Department work crews in order to ensure compliance with plans and specifications. Services for onsite construction observation and inspection of all roadways constructed by private contractors were provided by a contract employee, Mike Jetton, P.E., as well as full time employee Darron Tytler to ensure that all required improvements were completed in accordance with plans and specifications as approved by the engineering department. This includes the inspection of all contracted projects listed in the "Construction Activities" section of this report as well as all roadway construction initiated by privately funded commercial and residential development. In addition, the engineering department computed project quantities and verified completion and accuracy of pay estimates for payments to contractors. Construction inspection was performed for the following projects last year:

- | | |
|---|----------------------------------|
| • Miles Crossing | • Campbell Cove Phase 2 |
| • Matthews Meadows Phase 2 | • Campbell Cove Phase 3 |
| • Longing Round Mountain Subdivision | • Sylvia Springs |
| • North View Estates | • 5th Avenue |
| • Orchard Hill | • Village at Hendrix Ph 3 |
| • Museum Meadows | • Woodland Cove PUD |
| • Pintail Cove | • Rivendale Subdivision |
| • Blackberry Ridge Subdivision Phase 2 | • Willow Oak PH 3 |

STORM WATER POLLUTION PREVENTION

Engineering services as required by the Arkansas Department of Environmental Quality's NDPES Small MS4 General Permit No ARR040000 were provided by the engineering department. This permit authorizes the city to discharge storm water into approved receiving waters of the state. Requirements of this permit include:

- Annual Reporting
- Construction site inspection to monitor storm water runoff
- Maintain pollution prevention best practices for municipal operations

Storm Water Pollution Prevention Plans were developed and submitted to ADEQ for major construction projects within the City in compliance with this permit. In addition, and assistance was provided to the Code Enforcement Department regarding properties that were in violation of this permit.

ENGINEERING SERVICES

FLOODPLAIN MANAGEMENT

The engineering staff provides Floodplain Management services as required by the city's Floodplain Development Ordinance and FEMA. These services included consideration of floodplain development permits and responding to public inquiries regarding information provided on floodplain maps. In addition, engineering staff monitors development in an effort to prevent unpermitted development within the floodplain.

TRAFFIC SERVICES

Inspection and maintenance of the approximately 60 signalized intersections in Conway was provided by three full-time employees with oversight from the city engineer. This effort involves the repair or replacement of electrical components as required as well as routine updating of signal timing parameters. In addition, these employees provided routine maintenance of all signage and pavement marking within the city.

TRAFFIC CALMING

Upon receiving a completed resident application, traffic counting equipment was placed and reports were produced indicating traffic volume and speed at locations where traffic calming was being considered. At locations approved by the Traffic Engineer, the following traffic calming devices were installed last year. Underlined locations indicate funding was provided by the City of Conway; at other locations, funding was provided by the POA, neighborhood association, or adjacent property owners.

- **Padgett Rd.** – *Woody Cummins Elementary School* – Rectangular Rapid Flash Beacons
- **College Ave.** – *Ruth Doyle Middle School* – Rectangular Rapid Flash Beacons
- **College Ave.** – *Jim Stone Elementary School* – Rectangular Rapid Flash Beacons
- **College Ave.** – *Woody Cummins Elementary School* – Radar Speed Sensing Sign
- **Donaghey Ave.** – *Ida Burns Elementary School* – Rectangular Rapid Flash Beacon
- **Robinson Ave.** – *First Baptist Church* – Rectangular Rapid Flash Beacons
- **Conway Regional** – *Various Locations* – Rectangular Rapid Flash Beacons (3 crossings)
- **Burrow Ave.** – *The Village at Hendrix* – Radar Speed Sensing Sign
- **Morning Glory Ln.** – *Various Locations* – Speed Humps
- **April Dr.** – *Various Locations* – Speed Humps

AGENCY, UTILITY, AND ROW COORDINATION

Approximately 25 miles of state highways are located within Conway's city limits. As a result, coordination with the Arkansas Highway and Transportation Department are necessary regarding any updates to the state highway system. In addition, the City Engineer represents the city on Metroplan's Technical Coordinating Committee. Coordination with Metroplan, Central Arkansas' metropolitan planning organization, is essential regarding any projects receiving federal funds. Utility coordination with the

ENGINEERING SERVICES

Conway Corporation as well as other utility companies is also required on many projects to ensure that conflicts are avoided wherever possible. Lastly, coordination with property owners is often required when acquiring right-of way for improvements. The following projects have required significant coordination with one or more of these agencies this year:

- **Bridge Inspection Program** – *Citywide* – This annual program requires agency coordination with ARDOT.
- **Augusta Avenue Improvements** – *Robinson to Louvenia* – Agency and utility coordination was provided with Conway Corporation, Centerpoint, AT&T, and the Conway Regional Health System to complete this project in 2019.
- **Bruce & Harkrider** – *Signal Improvements* – Agency and utility coordination was provided with ARDOT, Conway Corporation, AT&T, Centerpoint, and Union Pacific Railroad to complete this project in 2019.
- **Chestnut & Van Ronkle Improvements** – *Oak to Markham* – Utility coordination was required with Conway Corporation, Centerpoint, and AT&T. Right-of-way acquisition required coordination with local property owners.
- **College & Country Club Improvements** – *Mini Roundabout* – Local property owner coordination was required for sidewalk installation and associated landscaping.
- **Dave Ward Drive Adaptive Signal Control System** – *Hogan to I-40* – Agency coordination was required with ARDOT and Metroplan on this grant project, which is slated to be completed this year.
- **Davis Street State Aid Overlay** – *Hairston to Robins* – ARDOT coordination was required to secure this grant, which is scheduled to be completed this year.
- **Donaghey Avenue Improvements** – *Prince to Dave Ward* – Agency coordination with UCA is vital for the success of this project. Utility coordination was required with Conway Corporation, AT&T, Centerpoint, and Windstream. Right-of-way acquisition will require coordination with local property owners.
- **Harkrider & Robins** – *Intersection Improvement* – ARDOT coordination was required to secure this grant, which should be designed in 2020.
- **Harkrider Sidewalk** – *Bruce to Robins* – ARDOT coordination was required for this grant application. If awarded, design will proceed in 2020.
- **Highway 25 Accident Analysis** – *I-40* – ARDOT coordination was required to seek safety alternatives on this stretch of state highway.
- **Highway 64/65 Connector Study** – *County* – Agency coordination with ARDOT and Faulkner County were required.
- **Highway 65B Traffic Study** – *Harkrider to I-40* – Coordination with ARDOT was required.
- **Hogan & Hwy 64** – *Intersection Improvement* – Agency coordination with ARDOT was required to secure this grant, which should be designed in 2020.
- **I-40 Interchange Improvements** – *Highway 65* – Agency coordination was provided with ARDOT on this state project scheduled to begin in 2020.

ENGINEERING SERVICES

- **Markham Town Square** – *Old Scrapyard* – Agency coordination with several state and federal agencies was required to secure this grant. Design is set to begin in 2020.
- **Markham Street Improvements** – *Spruce to Van Ronkle* – Agency coordination was necessary with Metroplan and ARDOT on the grant project. Coordination with local property owners was necessary to resolve access issues.
- **Nutters Chapel Road Improvements** – *Wineberry to TJ* – Utility coordination with Conway Corporation was included in the design process.
- **Oak & East German** – *Rewire* – Agency coordination with ARDOT was necessary for this project, which was located within state right-of-way.
- **Oak Street Adaptive Signal Control System** – *Harkrider to E. German* – Agency coordination was provided with ARDOT and Metroplan on this grant project.
- **Old Conway Sidewalks** – *Prince Street, Davis Street* – Coordination with adjacent property owners was necessary to ensure this project's success.
- **Salem & Irby** – *Roundabout Installation* – Utility Coordination with Conway Corporation is included in the design process.
- **Salem & Tyler** – *Roundabout Installation* – Utility Coordination with Conway Corporation is included in the design process.
- **Salem Road Bridge** – *Tucker Creek* – Utility Coordination with Conway Corporation is included in the design process.
- **Stanley Russ Road Improvements** – *Donaghey to Bill Bell* – Utility coordination with the Conway Corporation was required to resolve design conflicts. Coordination with adjacent property owners was necessary to resolve access issues.
- **Stone Dam Creek Trail** – *Mimosa to S. German* – Agency Coordination with ARDOT and Metroplan were necessary on these projects, which are being funded via multiple grants.
- **Sugar Creek Flood Mitigation** – *S. Donaghey* – Coordination with multiple federal and state agencies was necessary on this federal grant flood buyout project.
- **Tucker Creek Trail Extension** – *Hogan to Donnell Ridge* – Utility coordination with the Conway Corporation began in 2019 on this project to prepare for a potential grant application.
- **Tyler Street Bridge** – *Tucker Creek* – Coordination with several state agencies was required on this grant project. In addition, utility coordination was required with the Conway Corporation.
- **Tyler Street Improvements** – *Sena to Washington* – Utility coordination was provided with the Conway Corporation. Coordination to acquire right-of-way was provided with appraisers, property owners, and the City Attorney's office.

ALTERNATIVE TRANSPORTATION

Providing or encouraging alternate forms of transportation is an important goal for both the City of Conway and this department. To this end, the city engineer serves as an ex officio member on the Bicycle and Pedestrian Advisory Board, which serves to advise the city on ways to remain an official bicycle-

ENGINEERING SERVICES

friendly, become an official walk-friendly community, and seek to achieve the federal and state goals of the safe routes to school program.

IMPROVEMENT PROGRAM UPDATE SUMMARY

Improvement Program Update Summary

STREET SALES TAX PROJECTS

- **Stanley Russ Road Improvements** – *Donaghey to Bill Bell* – Design began in 2018; construction of phase 1 was completed in 2019. Construction of the second and final phase will take place in 2020.
- **Donaghey Avenue Improvements** – *Prince to Dave Ward* – Design began in 2018; utility relocation began in 2019. Phase 1 roadway construction is planned to begin in 2020.
- **Salem Road Improvements** – *College to Dave Ward* – Design began in 2019 and will be completed in 2020. Construction is scheduled to begin in 2021.
- **Dave Ward Improvements** – *Harkrider to I-40* – ARDOT began a traffic Study in 2018. Pending ARDOT acceptance, design will hopefully begin in 2020 with construction to begin around 2022.
- **Harkrider Improvements** – *Oak to Bruce* – Pending ARDOT approval, design will hopefully begin in 2020 with construction to begin between 2021 and 2023.
- **Tyler Street Bridge Replacement** – *Tucker Creek* – Design was completed in 2019 and construction began the same year. Construction will be completed in 2020.
- **Markham Town Square** – *Old Scrapyard* – Design is scheduled to begin in 2020. Construction should begin in 2021.
- **Pavement Management Program** – *Citywide* – The pavement management survey will be updated in the first quarter of 2020. Subsequent asphalt overlay programs will be based on this new data.
- **Davis Street State Aid Overlay** – *Hairston to Robins* – Construction is scheduled to begin in 2020.

STREET FUND PROJECTS

- **Tyler Street Asphalt Rehabilitation** – *Sena to Washington* – Construction of this project is nearly complete, but right-of-way acquisition created significant delays. Acquisitions should be finalized in early 2020, which will allow the project to be completed.
- **Hillman Street Reconstruction** – *Donaghey to Davis* – Engineering design for this project was completed by the Transportation Department in 2019. Construction will commence in 2020.
- **Concrete Street Reconstruction** – *Various Locations* – Design of various concrete streets (to be selected by the pavement management program) will begin in 2020.

IMPACT FEE PROJECTS

- **Salem & Irby** – *Roundabout Installation* – Design began in 2019 and will be completed in 2020. Right-of way acquisition and utility relocation will begin in early 2020. Construction should begin during the summer of 2020.
- **Tyler & Salem** – *Roundabout Installation* – Design began in 2019 and will be completed in 2020. Right-of way acquisition and utility relocation will begin in 2020. Construction should begin early 2021.

IMPROVEMENT PROGRAM UPDATE SUMMARY

- **College & Farris – Roundabout Installation** – Design will begin in 2020 and should be completed in 2021. Right-of way acquisition and utility relocation will begin in 2021. Construction begin when funds become available.

PAY AS YOU GO PROJECTS

- **Dave Ward Drive Adaptive Signal Control System** – *Hogan to I-40* – Construction began in 2018 and was completed in 2019. System validation began in 2019 and will be completed in 2020.
- **Oak Street Adaptive Signal Control System** – *Harkrider to E. German* – System Engineering and design began in 2019 and should be completed in 2020. Construction should commence in 2020.
- **Markham Street Improvements** – *Van Ronkle to Mill* – Phase 1 construction began in 2019 and should be completed in 2020.
- **Chustnut & Van Ronkle** – *Mini Roundabout* – Construction of the roundabout was completed in 2019. Construction of the associated box culvert should be completed in 2020.
- **Bruce Street Improvements** – *Harkrider to 6th* – Construction was completed in 2019.
- **Bruce & Harkrider Traffic Signal** – *Intersection* – Construction was completed in 2019.
- **Morningside Drive Maintenance** – *Tucker Creek to Timberlane* – Construction was completed in 2020.
- **Tucker Creek Road Maintenance** – *Salem to Tyler* – Construction was completed in 2010.
- **Davis Street** – *Robins to Dave Ward* – Construction was completed in 2019.
- **Old Conway Sidewalk Repair** – *Locations Specified in Section 5.3 of the City of Conway Pedestrian Master Plan* – Construction began in 2019. Portions of the list will be completed each year, as funding allows.
- **Sugar Creek Flood Mitigation** – *S. Donaghey* – Acquisition took place in 2019; the project should be completed in 2020.
- **Oak Street** – *Railroad to Locust* – Design began in 2018 and will be completed in 2020. Utility relocations should begin in 2020. Construction is expected to begin as funds become available, which is likely to be 2021.
- **Parkway Street** – *Oak to Main* – Design began in 2018 and will be completed in 2020. Utility relocations should begin in 2020. Construction is expected to begin as funds become available, which is likely to be 2021.
- **Locust Street** – *Caldwell to College* – Design should begin in 2020. Utility relocation should be commence in 2021. Construction will proceed as should becomes available, likely by 2022.
- **Nutters Chapel** – *Mattison to Pebble Beach* – Design began in 2019 and should be completed in 2020. Utility relocation and right-of-way acquisition should begin in 2020 and be completed in 2021. Construction will commence as funds become available, which is likely to be in 2022.

IMPROVEMENT PROGRAM UPDATE SUMMARY

- **Nutters Chapel** – *Mattison to Salem* – Preliminary design was completed in 2019; final plans should be completed in 2020. Utility relocation and right-of-way acquisition should begin in 2020 and be completed in 2021. Construction will commence as funds become available, which is likely to be in 2022.
- **Meadowlake** – *Donaghey to Washington* – Design should begin in 2020. Right of way acquisition should begin in 2021. Construction is not fiscally constrained at this time.
- **Harkrider Sidewalk** – *Bruce to Robins* – 30% design plans were completed for a grant application in 2019. If awarded, design will proceed in 2020.
- **Pavement Marking Program** – *Citywide* – Ward 4 will be completed in 2020.
- **Hogan & Hwy 64** – *Intersection Improvement* – ARDOT design is scheduled to begin in 2020.
- **Harkrider & Robins** – *Intersection Improvement* – ARDOT design is scheduled to begin in 2020.

CONTACT INFORMATION

Contact Information

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