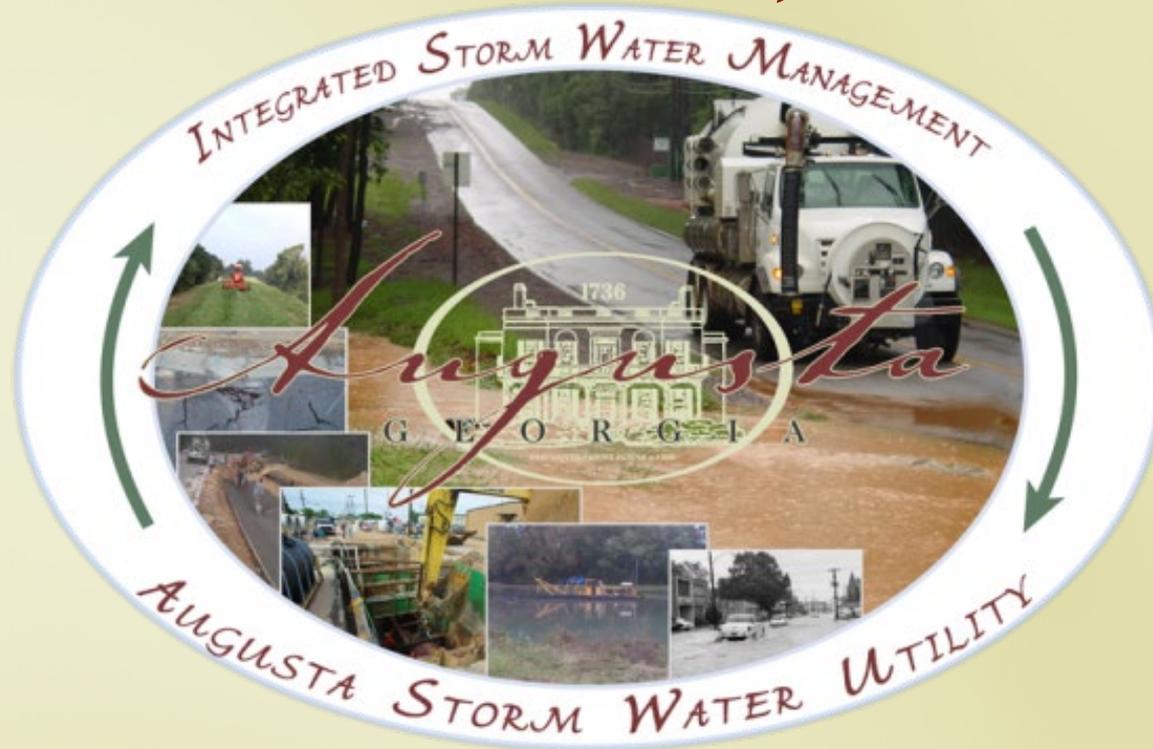
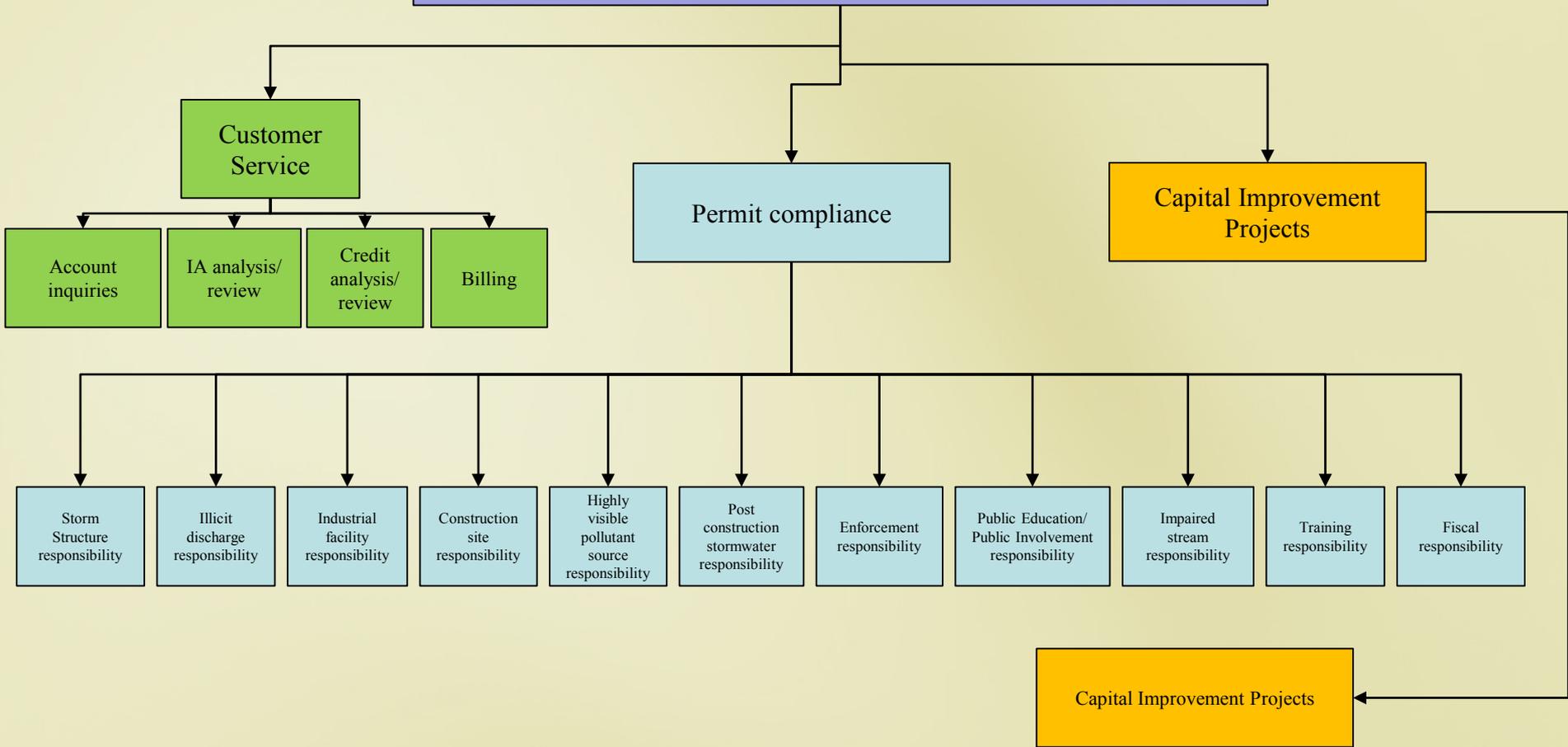


# AUGUSTA, GA

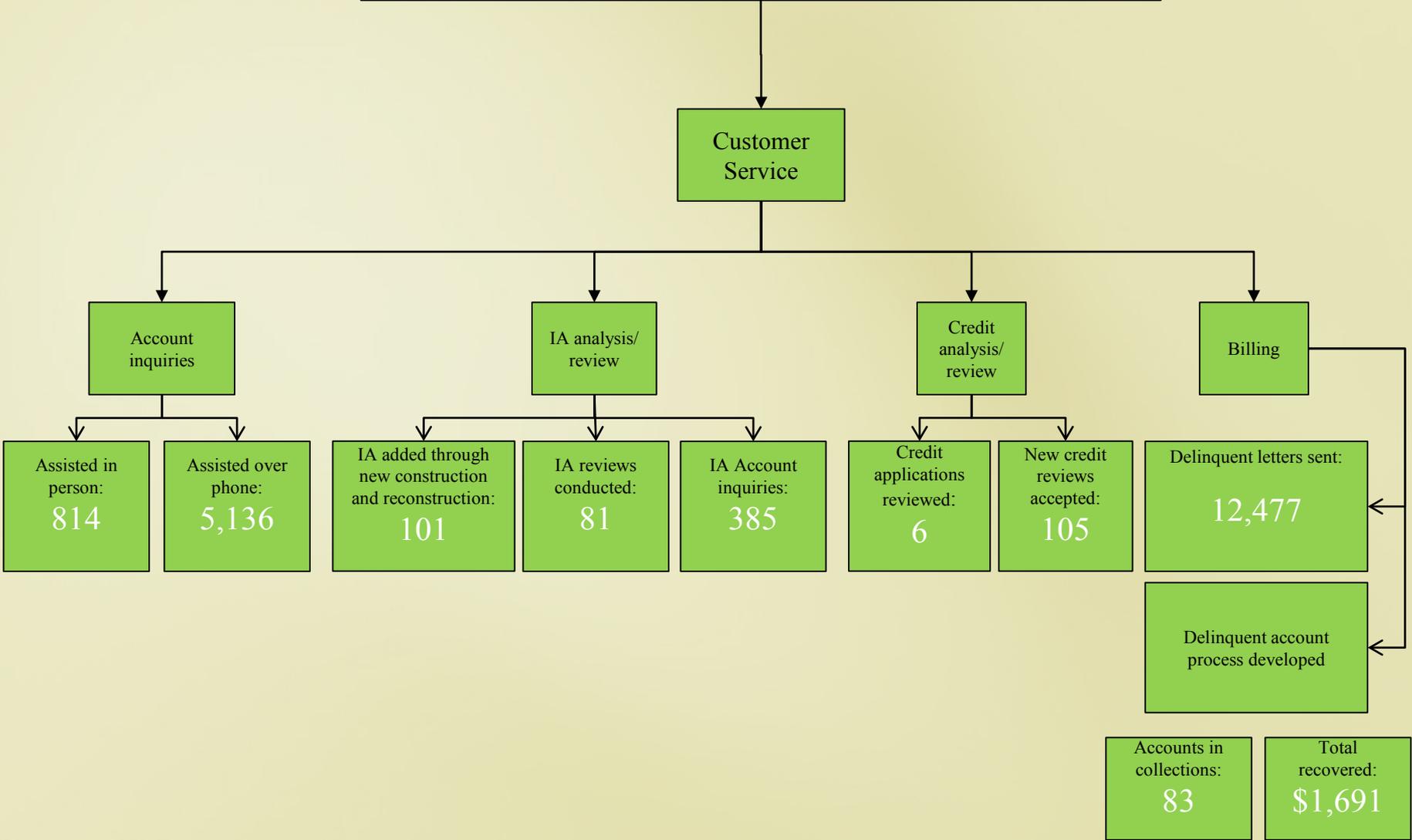


2018 Annual Update

# Augusta Stormwater Services Program



# Augusta Stormwater Services Program



# Augusta Stormwater Services Program

## Permit compliance

### Construction site responsibility

### Post construction

### Inspections

### Public Education/ Public Involvement responsibility

Number of structures added through as-built plans	1366	
Number of structures added through field inspections	839	
Number of structures added to MS4 inventory	0	
<b>Current stormwater inventory:</b>		County wide
Catch basins	15434	43,635
Storm pipes (miles)	446	733
Storm ditches (miles)	91	487
Detention ponds	168	1293
Outfalls	305	305

Public Outreach Events:	1097
Illegal Dump Collection (Tons):	112.23
Illegal Tire Cleanup (Tons):	32.83
Illegal Tire Cleanup (Each):	2373
Students educated through Phinizy field trips:	1755
HVPS facility education activities	32
Industrial facility education activities	19

Site Plan Reviews:	211
Active Construction Sites:	223
Grading Permits Issued	103
Pre-construction meetings:	80
Subdivision walk-throughs	15
Certificate of Occupancy Inspections	41
Erosion Control Inspections	651
Erosion Control Inspections without deficiencies	501
Erosion Control Inspections with deficiencies	147
Corrective Action Inspections	108
Stop Work Order Inspections	7
Verbal Deficiencies	737
Written Violations	30

Number of highly visible sources to be inspected (in 5 year period)	288
Number of highly visible inspections conducted	32
Number of industrial facilities to be inspected (in 5 year period)	64
Number of industrial inspections conducted	12
Number of MS4 outfalls to be inspected (in 5 year period)	305
Number of outfall inspections conducted	79
Number of reported spills to the storm system	12
Illicit Discharges inspections:	15
Catch basins	6,145
Storm pipes (miles)	89
Storm ditches (miles)	41
Detention ponds	36
Outfalls	36
Street sweeping (miles)	527



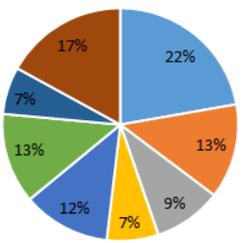
# Augusta Stormwater Services Program



Permit compliance

NO.	MAINTENANCE DESCRIPTION	UNIT	1ST. QUARTER	2ND. QUARTER	3RD QUARTER	4TH QUARTER	2018 ANNUAL
			QUANTITY	QUANTITY	QUANTITY	QUANTITY	TOTAL
1	PONDS CLEANED	Each	22	34	61	53	170
2	DITCHES CLEANED/CUT (INMATES)	Linear Feet	13,276	28,100	37,656	29,711	108,743
3	ROAD SIDE MOWING	Lane Miles	149	183	247	234	813
4	SPOT MOWING (Recorded as locations because they are minimal in length)	Each	0	5	10	3	18
5	STORM STRUCTURES CLEANED	Each	146	311	315	205	977
6	STORM PIPE CLEANED	Linear Feet	2,753	1,470	7,507	6,468	18,198
7	STORM STRUCTURES REPAIRED	Each	14	32	22	24	92
8	SINK HOLES REPAIRED	Each	8	39	0	0	47
9	DRAINAGE DITCHES RE-GRADED	Linear Feet	3,473	2,208	5,255	3,221	14,157
10	RIGHT OF WAY/EASEMENTS CUT (INMATES)	Linear Feet	20,064	0	43,824	2,640	66,528
11	DIRT ROADS GRADED	Miles	7	71	84	82	244
12	TREES/LIMBS REMOVED	Each	56	53	100	88	297
13	DRIVE WAYS REPAIRED	Each	3	9	29	12	53
14	POT HOLES REPAIRED	Each	391	855	549	296	2,091
15	POND INSPECTIONS COMPLETED	Each	23	0	2	0	25
16	DRAINAGE DITCHES INSPECTED	Miles	61.95	0	51,287	29,711	81,060
17	SERVICE REQUESTS RECEIVED	Each	600	1293	1258	988	4,139
18	WORK ORDERS CLOSED	Each	482	1092	1553	1273	4,400

Work by District (2018)



- District 1
- District 2
- District 3
- District 4
- District 5
- District 6
- District 7
- District 8

# Augusta Stormwater Services Program

## Revenue and Expenditures



Month	Amount billed	Revenue generated	% collected
January-18	1,189,801.95	1,194,470.23	102%
February-18	1,200,943.54	1,067,590.65	90%
March-18	1,159,716.73	1,168,636.56	97%
April-18	1,180,409.41	1,155,175.48	100%
May-18	1,188,436.92	1,067,144.92	90%
June-18	972,182.83	1,055,874.68	89%
July-18	932,878.35	1,040,531.50	107%
August-18	1,328,290.87	1,216,036.46	130%
September-18	1,125,082.92	993,775.90	75%
October-18	1,135,358.78	1,131,959.23	101%
November-18	1,029,498.15	1,090,962.66	96%
December-18	1,218,823.05	1,031,953.06	100%
<b>2018 TOTALS</b>	<b>\$ 13,661,423.50</b>	<b>\$ 13,214,111.33</b>	<b>98%</b>
<b>2017 TOTALS</b>	<b>\$ 14,075,872.66</b>	<b>\$ 13,240,805.93</b>	<b>94%</b>
<b>2016 TOTALS</b>	<b>\$ 13,830,767.00</b>	<b>\$ 10,917,101.00</b>	<b>87%</b>

## Revenue/expense breakdown for 2018

### Revenue

- **Stormwater fee** \$13,661,424

### Expenses

- **Engineering in-house workforce** \$3,952,676
    - Labor/benefits
  - **Maintenance contracts** \$6,002,086
    - ROW mowing, drainage, tree removal, Vac. Con, etc.
  - **Operations and Maintenance** \$1,330,213
    - Supplies, repairs, fuel, vehicles, depreciation, etc.
  - **City Program management** \$1,888,097
    - Payment in lieu of taxes, franchise fee, indirect cost allo.
- 
- \$13,173,072**

December 2018 YTD Net: \$488,352



# Augusta Stormwater Services Program

## Capital Improvement Projects

### STORMWATER ACTUAL SUMMARY REPORT

As of December 31, 2018

Cost	District	Location	Description
6,590.50	1	1437 Waters Edge	Replace the concrete flume, include sloping yard so water flows without eroding the area
8,950.69	1	Broad Street/Ellis St Parking Bay	Repair parking bay
12,156.50	1	1133 Hopkins St	Installing new sidewalk in front of church in the ROW
16,180.25	1	535 Telfair St	Replacing sidewalk and leveling roots by Mayors parking lot
16,823.00	1	1830 Fenwick St	Replace Sidewalk
18,143.75	1	1221 R. A. Dent Blvd	Installing new sidewalk to include replacing the top
18,443.75	1	1502 Forest St & Carrie St	Repairing sidewalk
18,482.53	1	Lock and Dam Road	Replace flume and mill and pave both ends of road at bridge
21,125.00	1	402 & 428 Fifth St	Repair the sidewalk in front of lawyers office & storefront
21,188.49	1	Riverwatch Pkwy	Riverwatch Pkwy repairs
23,365.13	1	302 3rd St	Replace the old brick pavers were they are a raised & causing the pedestrians to fall and injure themselves
24,438.00	1	402 Fourth St	Install new sidewalk in front of resident homes to include replacing ADA ramps
25,871.41	1	328 Telfair St	Sidewalk
25,946.75	1	325 Telfair St	Repairing broken sidewalk
28,272.25	1	603 Beaufort Ave	Install new sidewalk in front of resident homes
31,658.50	1	Jones & Macartan Streets	Jones Street Repairs
34,854.00	1	954 Fifth Street	Replace the sidewalk, to include driveway then regrass the area
40,931.25	1	Hickman Rd	Replace 24" storm drain line and boxes
43,481.28	1	440 Walton Way	They will be milling and repaving the road, to include repairing the manhole
54,639.00	1	Saint Luke St	Replacing storm line and installing a couple of new boxes
138,070.00	1	1567 Columbia Nitrogen Rd	Replace stormline & repave roadway
7,488.50	2	Summerchase	Clean and line 18" CMP, & replace two double wing tops
8,650.00	2	Catalina Dr	Regrade ditches along roadway
11,750.00	2	2206 Lindsey Rd & Rhodes Dr	Remove tree roots and patch road on Rhodes Dr. & Patch/overlay Lindsey Rd
12,219.08	2	Various South Augusta Locations	Replacement of damaged Stormwater structure tops
17,447.50	2	1814 Fayetteville Rd	Replace the broken sidewalk and repair the guardrails in the bridge area
21,714.25	2	1025 Turpin St	Sidewalk replacement
38,599.97	2	Tudo Dr	Remove tree roots, patch road, mill & inlay asphalt
48,805.90	2	Milledgeville Rd Autozone & Churches Chicken side	Remove & replace broken sidewalk
71,671.00	2	2002 Virginia Avenue	Culvert Repair – Replace two wing walls on outlet end, add outlet apron.
120,382.50	2	Norton Road	Drainage and Roadway Improvements
157,569.43	2	3414 3506 Richmond Hill Road	Drainage Improvements
14,455.63	3	Various West Augusta Locations	Replacement of damaged Stormwater structure tops
19,713.50	3	Highland Ave.	Repair of storm lines to include repaving the road
25,042.00	3	1203 Anthony Rd	Replace the broken sidewalk and ramp
27,120.00	3	3885 Grape Ave	Driveway construction and intersection overlay
29,900.00	3	5332 Bull Street	Regrade and repair pond to relieve standing water
68,871.50	3	Highland Ave.	Sidewalk replacement
88,825.70	3	2830a Kings View Dr	Concrete Repair
103,310.00	3	3000 Bransford Rd	Pipe replacement
113,835.85	3	Forest Hills Area	Brick pavers replacement and repairs
134,632.25	3	759 Lancaster Rd	Pipe replacement
201,036.72	3	3711 -2913 Lombardy Ctvd & TPN 082-0-003-0	Storm drain installation & repair
4,950.00	4	3711-3717 London Blvd	Surveying & Engineering drawings Rome Way & London Blvd
10,617.50	4	Windsor Spring Rd @ 2480 Crosscreek Rd	Repair sinkhole in ROW & replace 35' of 18" CPP
16,262.00	4	3779 Fairington Dr.	Pipe replacement
18,475.00	4	2610 Dayton St	Additional work requested by AED for Storm drain
25,389.00	4	2609-3617 Dayton St	Road Resurfacing
26,788.00	4	2606 & 2608 Corning St	Additional work requested by AED for Storm drain
31,030.00	4	3610 Daytron St	Storm drain improvements
37,484.25	4	Pinnacle Way and Crest Dr	Grade Ditches, Rip Rap and fabric, Fence Gate install
39,295.50	4	2606 2608 Corning St	Storm drain improvements
43,678.49	4	3567 Monte Carlo Dr	Repair dip in the road and driveway
46,168.75	4	4027 Pinnacle Way	Regrade ditch, rip rap and fabric
57,518.30	4	2602 & 2618 Corning St	Road Resurfacing
78,702.85	4	3777 Fairington Dr	Replace pipe, storm drain and concrete flume

# THIRD QUARTER REPORT 2018

## Small/Medium Projects

- 3779 Fairington Dr.
- 48" CMP Pipe replacement
- Cost – \$94,806.25
- Previous Status – Work In Progress
- Current Status – Complete



# THIRD QUARTER REPORT 2018

## Small/Medium Projects

- 740 Broad St.
- Sidewalk replacement
- Cost - \$34,683.11
- Previous Status – Start Date July 2018
- Current Status – Complete



# Augusta Stormwater Services Program

Capital  
Improvement  
Projects

STORMWATER ACTUAL SUMMARY REPORT			
As of December 31, 2018			
Cost	District	Location	Description
7,845.00	5	2408 Baywood Dr	Fence replacement
10,300.00	5	2816-2826 Crosscreek Rd	Drainage ditch grading, cutting and cleaning 3 times
17,550.00	5	1225 Carrier Place & 2802 Glenn Hills Circle	Excavate and install 66" concrete collar & replace wing trap top at Glenn Hills Circle
17,608.00	5	1723 Grenway Dr	Repair work
19,390.00	5	1723 Greenway Dr	Roadway, drainage, ditch and ROW repair
21,778.00	5	3315 Milledgeville Rd	Fence repair and slope clearing
85,058.46	5	3350 Wedgewood Rd	Pipe replacement
86,828.35	5	3013 Hummingbird Dr	Replace 24" storm drain line and boxes
3,540.00	6	2855 Wells Dr.	Mill, Inlay, and patch spots at Norton/Wells Dr.
22,264.00	6	3510-3512 Stoney Brook Road	Stoney Brook Road Repair
29,970.00	6	2202 Harding Road	Replace fence around pond
53,989.64	6	1933 Roy's Lane	Remove and replace storm pipe and asphalt driveway
57,465.66	6	1820 North Barton Dr	Replace pipe, headwall and fence
4,345.00	7	252 Camilla Ave Structure	Camilla at Davis Structure
4,800.00	7	255 Camilla Ave	Additional repair of the Walmart Pond
5,216.40	7	1409-1419 Ranch Dr/Augusta Tech Dr/2846 & 2848 Pineview Rd	Paving root removal. Remove, repair and replace asphalt
11,200.00	7	1215 Eisenhower Dr/2702 Boars Head Rod/2448 Dublin Dr	Emergency replacement of broken structure lids
11,394.00	7	3064 Angela St & adjacent properties along 100 LF of RCP replacement	Replacement of RCP fence remove/replace and placement of junction box top
20,026.91	7	Woodland Road	Repair roadway
30,651.70	7	Crane Ferry Rd	Sidewalk replacement
41,257.50	7	311 Alex Lane	Repairing lower end of structure to slow down flow of water
53,786.00	7	3184 Skinner Mill Rd	Repair Roadway
93,277.75	7	2719 Inleside Dr	Pipe & sidewalk replacement
133,328.67	7	829 Mitchell St & 3009 Silverwood	Mitchell St & Silverwood Dr Storm Drain Repairs
180,085.65	7	3337 Ravenwood Dr	Pipe replacement
5,497.20	8	1474 Goshen Rd	Driveway, drainage, ditch and ROW repair
6,937.50	8	405 Burning Tree Lane	Concrete driveway repair
7,400.00	8	4036-4001 Rio Pinar Dr & 4027 Pinnacle Way	Catch basin repair, pipe cleaning, driveway repair
16,793.37	8	Karleen Rd	Repair roadway and driveway
21,149.10	8	1502 Tara Ct	Pipe replacement/repair roadway
28,096.20	8	McCoy Road	Storm Cross Drain Replacement
34,602.83	8	2301 Willis Foreman Road	Replace 16 ft. of 60 in. pipe, storm drain & concrete flume
52,040.72	8	Willis Foreman Rd. Sidewalk	Sidewalk replaced
3,750.00	2, 6	3331 Tobin St/2253 Overlook Rd/2603 Nannette Dr	Storm pipe replacement, 2 box tops
11,731.05	4, 5	Crosscreek & Portsmouth Place	Asphalt Intersection Improvements
83,670.95	7, 3	2727 Wicklow Rd & 262 Willowood Ct	Pipe replacement

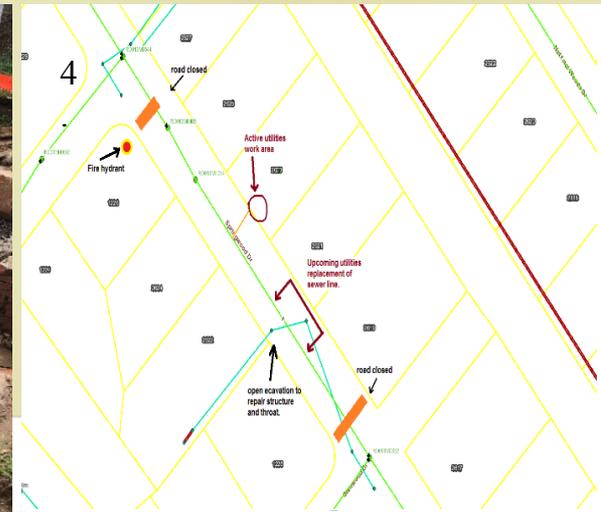
# THIRD QUARTER REPORT 2018

## Small/Medium Projects

- 2622 & 2619 Springwood Dr.
- Emergency Storm Structure Repair
- Cost - \$75,266.18
- Previous Status – In progress
- Current Status – Work in Progress
- Working in conjunction with utilities on sewer line



2622 Springwood Drive



# THIRD QUARTER REPORT 2018

## Small/Medium Projects

- Bransford Rd.
- 24” storm pipe replacement & Brick pavers
- Est. Cost – \$145,354.88
- Previous Status – N/A
- Current Status – Work in progress



# Augusta Stormwater Services Program

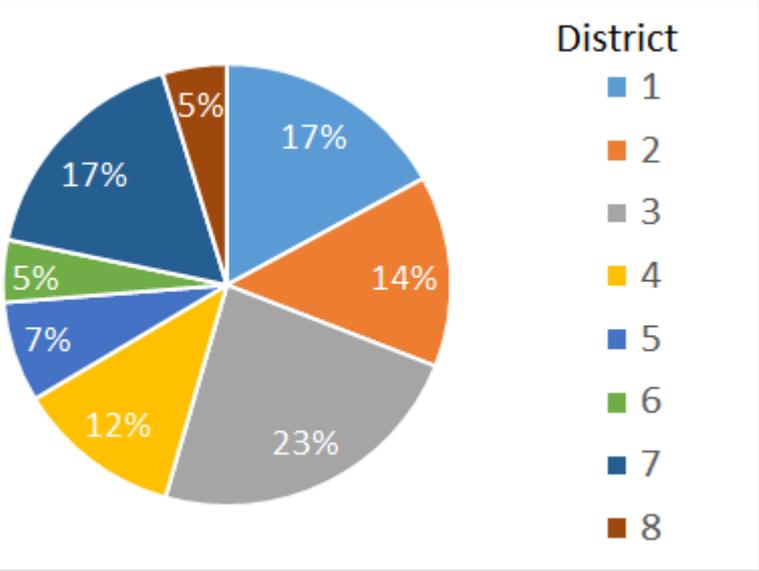
Capital Improvement Projects

2018 Budget  
\$5,845,400

2018 Budget allocated:  
\$5,478,847

Spent: \$3,703,638  
Encumbered: \$1,775,209

2018 Budget remaining:  
\$366,533



# Drainage management plan

- Drainage stabilization/restoration
- Addressing historic flooding
  - Pleasant Home Rd subbasin
  - National Hills subbasin
  - Forest Hills subbasin
  - Turpin Hills subbasin
  - Goshen subbasin
  - Others