

CITY OF AUGUSTA, GA



2017 ANNUAL STORMWATER SUMMARY REPORT

**2017 ANNUAL
STORMWATER SUMMARY REPORT
Billed vs. Revenue**

	Month	Amount billed	Revenue generated	% collected
Quarter 1	January-17	\$ 1,101,482	\$ 1,254,232	109%
	February-17	\$ 1,152,397	\$ 1,005,857	91%
	March-17	\$ 1,186,133	\$ 1,192,440	103%
Quarter 2	April-17	\$ 1,190,422	\$ 1,091,180	92%
	May-17	\$ 1,194,009	\$ 1,078,591	91%
	June-17	\$ 1,207,626	\$ 1,051,912	88%
Quarter 3	July-17	\$ 1,063,716	\$ 1,204,108	100%
	August-17	\$ 1,214,000	\$ 1,068,192	100%
	September-17	\$ 1,209,089	\$ 1,061,303	87%
Quarter 4	October-17	\$ 1,205,376	\$ 1,135,736	94%
	November-17	\$ 1,184,528	\$ 1,029,237	85%
	December-17	\$ 1,167,094	\$ 1,068,018	90%
	2017 TOTALS	\$ 14,075,873	\$ 13,240,806	94%
	2016 TOTALS	\$ 13,830,767	\$ 10,917,101	87%

**2017 ANNUAL
STORMWATER SUMMARY REPORT
Maintenance**

NO.	MAINTENANCE DESCRIPTION	UNIT	1ST. QUARTER	2ND. QUARTER	3RD QUARTER	4TH QUARTER	2017 ANNUAL
			QUANTITY	QUANTITY	QUANTITY	QUANTITY	TOTAL
1	Detention Pond Cleaning	Each	20	58	25	22	125
2	Ditches Cleaned and Cut	Linear Feet	32,926	15,129	19,036	13,276	80,367
3	Litter Pickup	Tons	100	1	0	62	164
4	Roadside Mowing	Lane Miles	75	430	215	149	869
5	Spot Mowing with Side Arm Mower	Each	3	0	0	0	3
6	Storm Structure Cleaning (Vac Truck)	Each	157	153	220	146	676
7	Stormpipe Cleaning (Vac Truck)	Linear Feet	8,517	7,546	3,072	2,573	21,708
8	Storm water Structures Repaired	Each	35	41	155	14	245
9	Sinkholes Repaired	Each	28	33	135	8	204
10	Drainage Ditch Regrading	Linear Feet	5,636	8,146	4,713	3,473	21,968
11	Drainage Easements Cut	Linear Feet	6,216	9,060	26,400	0	41,676

2017 ANNUAL
STORMWATER SUMMARY REPORT
Maintenance

Drainage ditches regraded

- 2332 Travis Pines Dr.

Before



During



After



2017 ANNUAL
STORMWATER SUMMARY REPORT
Maintenance

Storm Structure Cleaning

203 Metcalf St.

Before



After



2017 ANNUAL
STORMWATER SUMMARY REPORT
Maintenance

NO.	MAINTENANCE DESCRIPTION	UNIT	1ST. QUARTER	2ND. QUARTER	3RD QUARTER	4TH QUARTER	2017 ANNUAL
			QUANTITY	QUANTITY	QUANTITY	QUANTITY	TOTAL
12	Shoulder Clipping	Linear Miles	1	0	0	0	1
13	Dirt Roads Graded	Miles	89	34	83	7	213
14	Trees/Limbs Removed	Each	118	108	120	56	402
15	Driveway Repairs	Each	16	16	20	3	55
16	Potholes Repaired	Each	224	693	356	391	1,664
17	Ponds Inspected	Each	50	0	1	0	51
18	Drainage Ditches Inspected	Miles	5	86	81	62	234
19	Work Orders Received	Each	920	1146	1524	582	4,172
20	Work Orders Closed	Each	1062	927	984	567	3,540
21	Initiated Work Orders	Each	315	554	565	395	1,829

2017 ANNUAL
STORMWATER SUMMARY REPORT
Maintenance

Sinkhole Repair

- 516 Forsythe St.

Before



During



After



2017 ANNUAL
STORMWATER SUMMARY REPORT
Maintenance

Ditches cleaned/cut

1140 Walton Trail

Before



After



2016/2017 ANNUAL COMPARISON STORMWATER SUMMARY REPORT Maintenance

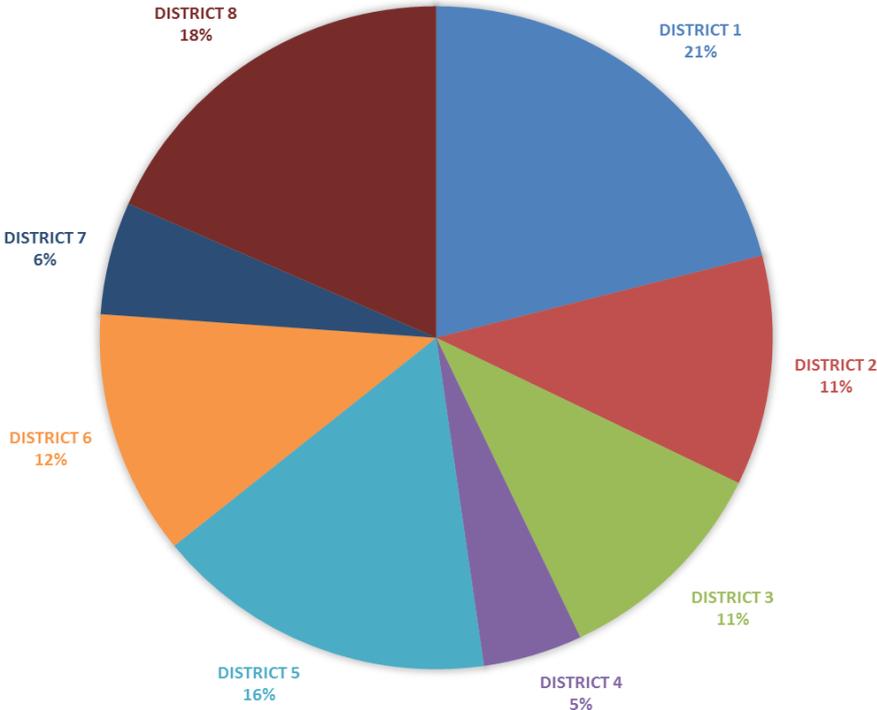
NO.	MAINTENANCE DESCRIPTION	UNIT	2016 ANNUAL	2017 ANNUAL	% change
			TOTAL	TOTAL	
1	Detention Pond Cleaning	Each	112	125	12%
2	Ditches Cleaned and Cut	Linear Feet	87,484	80,367	-8%
3	Litter Pickup	Tons	234	164	-30%
4	Roadside Mowing	Lane Miles	1,193	869	-27%
5	Spot Mowing with Side Arm Mower	Each	144	3	-98%
6	Storm Structure Cleaning (Vac Truck)	Each	453	676	49%
7	Stormpipe Cleaning (Vac Truck)	Linear Feet	6,819	21,708	218%
8	Storm water Structures Repaired	Each	85	245	188%
9	Sinkholes Repaired	Each	121	204	69%
10	Drainage Ditch Regrading	Linear Feet	50,492	21,968	-56%
11	Drainage Easements Cut	Linear Feet	48,540	41,676	-14%
12	Shoulder Clipping	Linear Miles	16	1	-93%
13	Dirt Roads Graded	Miles	233	213	-8%
14	Trees/Limbs Removed	Each	231	402	74%
15	Driveway Repairs	Each	26	55	112%
16	Potholes Repaired	Each	250	1,664	566%
17	Ponds Inspected	Each	58	51	-12%
18	Drainage Ditches Inspected	Miles	59	234	297%
19	Work Orders Received	Each	1,661	4,172	151%
20	Work Orders Closed	Each	1,408	3,540	151%
21	Initiated Work Orders	Each	772	1,829	137%

2016/2017 ANNUAL COMPARISON STORMWATER SUMMARY REPORT Maintenance

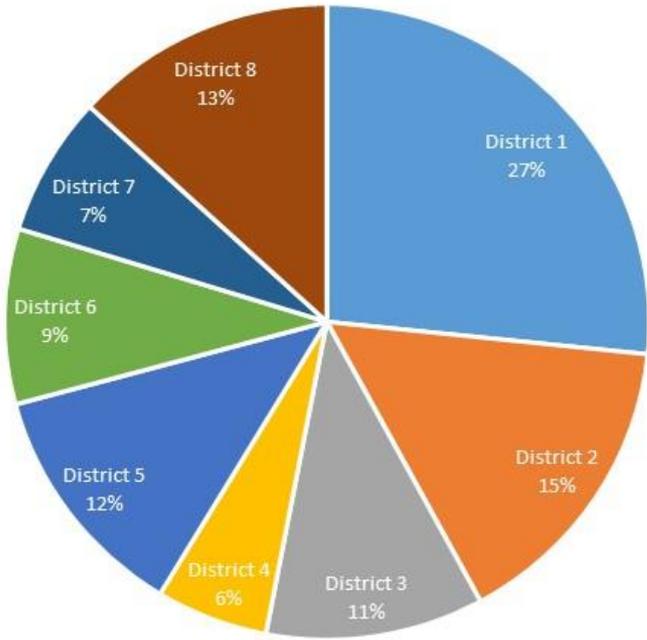
2016

2017

MAINTENANCE WORK ORDERS BY DISTRICT



Maintenance Work Orders by District



**2017 ANNUAL
STORMWATER SUMMARY REPORT
Small/Medium Capital Projects and Expenditures**

NO.	PROJECT ADDRESS	DESCRIPTION	COST	STATUS
1	Third Street	Sidewalk Section Replacement	\$ 42,000.00	Complete
2	1262 Paramount Ct.	Fence Replacement at Pond	\$ 1,545.00	Complete
3	2510 Lindsey Road	Storm Pipe Replacement	\$ 61,200.00	Complete
4	3337 Ravenwood Dr.	Storm Pipe Replacement	\$180,427.53	Awaiting P.O. Work Should Start Early 2018
5	3326 Libby Dr.	Storm Pipe Replacement	\$ 92,898.00	
6	210 Kings Chapel Rd.	Install new storm line to correct flooding	\$150,000.00	Design complete; Start early 2018
7	Happy Circle	Sink hole repair, on call	\$ 50,000.00	Being Evaluated
8	1478 Goshen Rd.	Storm Line Replacement	\$ 10,511.50	Complete
9	1911 Colony Park Place	Replace failing storm line	\$ 35,750.00	Complete
10	3125 Oxford Rd.	Supplemental work to correct flooding issue	\$ 97,859.02	Complete
11	4338 White Pines Ct.	Fence Replacement	\$ 5,950.00	Complete
12	Skinner Rd. Pond	Clean Pond. Install new outlet structure and outfall pipe. Repair Driveway	\$238,550.25	Complete
13	322 Pleasant Home Rd.	Replace failing 36" cmp pipe	\$119,521.50	Complete
14	Third Street and Telfair	Sidewalk Repair/Replacement and ADA ramp improvements	\$242,195.59	Complete
15	1735 Lawrence Rd.	Fence Replacement at Pond	\$ 16,100.00	Complete
16	Russell St. Improvements	Install new curb and gutter and driveway aprons, extend existing sidewalks, Resurface	\$396,971.86	Complete
17	Cresant Dr.	Repave section of Cresant Dr. adjacent to Wrightsboro Rd.	\$ 19,404.00	Complete
18	Meadowwood Dr.	Replace failing storm line	\$ 52,939.28	Complete
19	2002 Virginia Avenue	Culvert Repair – Replace two wing walls on outlet end, add outlet apron.	\$ 71,671.25	Work to start early 2018
20	970 Baker Ave.	Sidewalk section replacement	\$ 49,355.76	Complete
21	4014 Burning Tree Lane	Line Failing Storm Line	\$ 39,640.00	Complete
22	3604 Meadowlark Dr.	Replace Failed Storm Line	\$ 65,989.36	Complete

FOURTH QUARTER REPORT 2017

Small/Medium Projects

- 3604 Meadowlark Road
- Pipe Replacement
- Cost – \$65,989.36
- Previous Status – N/A
- Current Status – Complete



**2017 ANNUAL
STORMWATER SUMMARY REPORT
Small/Medium Capital Projects and Expenditures**

NO.	PROJECT ADDRESS	DESCRIPTION	COST	STATUS
23	Smith Creek Rd.	Mill and resurface roadway	\$ 69,871.24	Complete
24	1850 Gordon Highway	Replace Failed Storm Line	\$158,184.47	Complete
25	2414 Lennox Rd.	Install berm to prevent flooding	\$ 61,490.50	Complete
26	Old Waynesboro Rd. at 4 H Club Rd.	Widen Intersection, Clean Ditches	\$ 37,696.00	Complete
27	3338 Sugar Mill Rd.	Replace failed storm line and repair adjacent damaged yards	\$ 71,868.35	Complete
28	Ranch Dr., Augusta Tech. Dr., Pineview Rd.	Remove roots from roadway, Patch and re-pave road	\$ 46,445.77	Complete
29	3518 Edgeworth Dr.	Repair storm line and replace junction box	\$ 81,394.03	Complete
30	3655 Bermuda Circle	Replace failed storm line	\$ 30,739.50	Complete
31	2821 Hillcrest St. near Belmont Ave.	Remove roots, replace damaged concrete roadway and curb/gutter	\$ 46,285.40	Complete
32	2920-2948 Wakefield Ct.		\$ 99,650.40	Complete
33	1114 Walton Trail	Mill and Resurface damaged roadway section	\$ 31,985.80	Complete
34	Cardigan St. at Corning St.	Remove damaged concrete swale, raise curb/gutter, repave intersection	\$ 40,984.06	Complete
35	1850 Kissingbower Rd.	Remove lodged debris from cross drain	\$ 18,121.00	Complete
36	339 Alex Lane	Replace Concrete Headwalls, install outlet rip rap and repair flume	\$ 45,915.00	Complete
37	2940-2946 Wakefield Ct.	Replace failed storm system	\$256,080.87	Complete
38	3007 Libby Rd.	Replace and Repair Structures/Pipe	\$ 25,965.50	Complete
39	3833 Farrington Dr.	Replace Storm Line	\$ 61,036.00	Complete
40	3118 Arcadia Dr.	Line Storm Pipe	\$ 38,090.00	Complete
41	Fourth and Telfair St.	Sidewalk section replacement	\$ 33,325.00	Complete
42	557 Greene Street	Sidewalk section replacement	\$ 56,053.00	Complete
43	3165 Damascus Rd.	Storm Pipe Replacement	\$ 6,800.00	Complete
44	Lake Forrest Rd./Milledgeville Rd.	Replace Side Walk Sections	\$ 29,019.60	Complete

FOURTH QUARTER REPORT 2017

Small/Medium Projects

- Buena Vista @ Lake Forest & 3006 Lake Forest
- Concrete Road & Pipe Replacement
- Cost - \$277,647.15
- Previous Status – N/A
- Current Status - Complete



**2017 ANNUAL
STORMWATER SUMMARY REPORT
Small/Medium Capital Projects and Expenditures**

NO.	PROJECT ADDRESS	DESCRIPTION	COST	STATUS
45	2374 Wheelless Rd.	Repair 84" Storm Line	\$ 15,500.00	Complete
46	1209 Alden Rd.	Repair Storm Line and Inlet Box	\$ 8,600.00	Complete
47	Intersection Norton Drive & Wells Drive	Level and Resurface Intersection	\$ 26,434.87	Complete
48	Norton Road	Drainage and Roadway Improvements	\$120,382.50	Complete
49	1894 McDade Rd.	Storm Line Replacement	\$ 18,786.40	Complete
50	3106 Goolsby Rd.	Ditch Excavation/Repair	\$ 21,100.00	Complete
51	Summerchase Circle	Line Defective Storm Line	\$ 99,700.00	Complete
52	954 Fifth Street	Sidewalk section repl.	\$ 34,854.00	Complete
53	2727 Wicklow Rd./2612 Willowood	Storm Line Replacement	\$ 85,078.58	To start early 2018
54	Buena Vista/Lake Forest	Storm Line Replacement and Road Repair	\$277,647.15	Complete
55	Various Locations West Augusta	Inlet Top Replacement	\$ 16,623.97	In-Progress, Completion First Quarter, 2018
56	Various Locations South Augusta	Inlet Top Replacement	\$ 16,783.51	In-Progress, Completion First Quarter, 2018
57	Various locations in Forest Hills Area	Brick Paver Replacement	\$114,896.46	In-Progress, Completion First Quarter, 2018
58	255 Camila Dr.	Pipe Replacement in Pond	\$278,340.14	Complete
59	2480 Cross Creek Rd	Storm Line Replacement	\$ 10,617.50	Complete
60	2929 Meadowbrook	Line Defect. Storm Pipe	\$ 88,100.00	Complete
61	302 Third Street	Sidewalk/Paver replac.	\$ 37,842.48	Awaiting P.O. Work should start early 2018
62	Fayetteville Dr	Sidewalk/Shoulder Rep.	\$ 20,064.63	Awaiting P.O. Work should start early 2018
63	440 Walton Way	Resurfacing	\$ 44,470.00	Awaiting P.O. Work should start early 2018
64	Willis Foreman Rd.	Sidewalk Repair	\$ 76,235.75	Awaiting P.O. Work should start early 2018
65	1055 Heph-McBean Rd./1529 Brown Rd/5045 Old Waynesboro Rd.	Pipe Installation and ditch regrade	\$ 13,661.75	Complete
66	3773 Farrington Drive	Replace Storm Line	\$ 36,983.00	Work to start early 2018
67	12th and Ellis	Replace Storm Line and Structure	\$ 47,472.20	Complete

FOURTH QUARTER REPORT 2017

Small/Medium Projects

- 2929 Meadowbrook Drive
- Pipe Lining
- Cost – \$88,100.00
- Previous Status – N/A
- Current Status – Complete



**2017 ANNUAL
STORMWATER SUMMARY REPORT
Small/Medium Capital Projects and Expenditures**

NO.	PROJECT ADDRESS	DESCRIPTION	COST	STATUS
68	3250 Wedgewood	Replace Storm Line and Repair Roadway	\$ 86,196.75	To Start Early 2018
69	Rosier Rd./J.Dewey Gray Circle, and others	Remove Roots and Repave	\$ 19,476.30	Complete
70	Bermuda Circle	Remove Roots and Repave	\$ 12,100.20	Complete
71	Beaufort Dr.	Repair drive and sidewalk	\$ 17,049.00	Complete
72	3102 Bellameade	Curb/Gutter and Drive Repair	\$ 5,219.42	Complete
73	2206 Lindsey Rd. & Rhodes Dr.	Line storm drain line and resurface roadway	\$ 57,619.54	Complete
74	1923 Kristy way	Driveway and Fence Repair	\$ 15,759.80	Complete
75	3224 Hampton Circle	Driveway Repair	\$ 4,102.80	Complete
76	1437 Waters Edge	Structure and Ditch Repair	\$ 44,605.00	Complete
77	Thread Needle @ Chatham	Inlet Box Top Repair	\$ 2,808.50	Complete
78	Travis Rd./Donald Rd. & Others	Root Removal/Driveway Repair and Resurface	\$ 24,180.00	Complete
79	603 Third Street and Bay Street	Sidewalk Repair	\$ 30,623.00	Complete
80	McCoy Road	Storm Cross Drain Replacement	\$ 28,096.20	Complete
81	1225 Carrier Place/2802 Glenn Hills Circle	Storm Line Replacement	\$ 23,632.50	Completion expected Early 2018
82	Kentwood Dr./Goldfinch Dr. and other Locations	Inlet Box Top Repair	\$ 24,757.15	Complete
83	1933 Roys Ln/2508 Hanover Rd.	Storm Line Replacement	\$ 54,027.93	Completion expected Early 2018
84	Pinnacle Way and Crest	Drainage Ditch Repair and Rip-Rap	\$ 37,490.00	Completion expected Early 2018
85	Forth and Telfair	Sidewalk Repair	\$ 33,325.00	Complete
86	Riverwalk	Slope Repair and Rip Rap	\$ 19,750.00	Complete
87	1812 Phinizy Rd.	Sidewalk installation and asphalt placemnet	\$ 8,925.60	Complete
88	1478 Goshen Rd.	Storm Line Replacement	\$ 10,511.50	Complete
89	2439 Dublin Drive	Storm Box and storm line repair	\$ 14,126.03	Complete

FOURTH QUARTER REPORT 2017

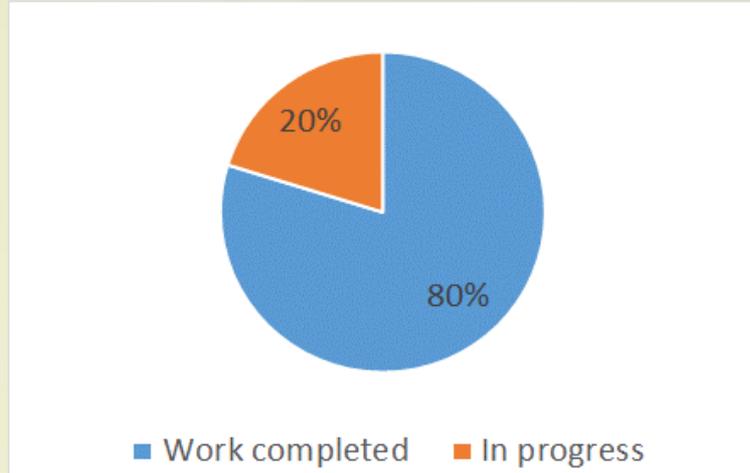
Small/Medium Projects

- 255 Camila Drive
- Outfall Structure & Pipe Replacement
- Cost - \$278,340.14
- Previous Status: N/A
- Current Status: Complete

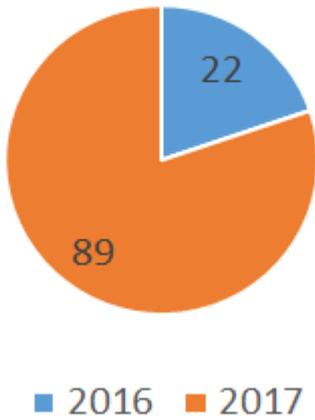


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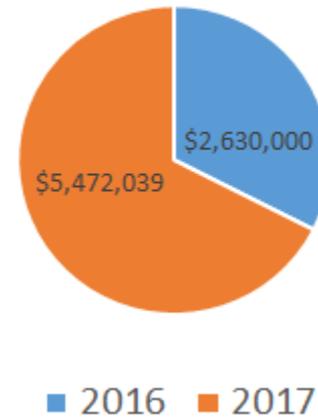
2016/2017 ANNUAL COMPARISON
STORMWATER SUMMARY REPORT
Small/Medium Capital Projects and Expenditures



Number of Projects



Project Costs



2016/2017 ANNUAL
STORMWATER SUMMARY REPORT
Activity updates

- Since 2016, citizens have retained over \$800,000 through detention, water quality, education, and other credit options
- Over 2,100 Impervious Area requests have been completed over the two year period
- For stormwater Customer Service Representatives, over 1,200 customers assisted in person and over 5,000 calls received on 2017
- Current focus on refining the program through optimizing workflows, analyzing/processing delinquent accounts and returned mail, and updating impervious area database

Thank you to:

- Engineering staff
- Information Technology Department
- Utilities Department
- Warden Joseph and staff
- Procurement Department
- Finance Department
- Environmental Services Department
- The Augusta Commission
- Mayor Davis and staff
- Administrator Jackson and staff