

DEPARTMENT OF PUBLIC WORKS



Memo

To: Bill Lewis
From: Jan Little
Date: April 23, 2019
SUBJECT: REPORT BACK – SWU ENTERPRISE FUND YEAR ONE ANALYSIS

In December 2017, the City Council adopted the ordinance to create a Storm Water Utility (SWU) which was the result of strategically planning, researching, evaluating and thoroughly vetting the issues of our City's wet weather needs. From 2015 until the actual implementation of the SWU in 2018, approximately 50 public meetings, public outreach flyers, mailers and various notifications were distributed to our citizens. Currently, Information and a resource library are available on the City's wet weather web page:

www.onewaterpeoria.com<<http://www.onewaterpeoria.com>>.

The SWU was established and created as an Enterprise fund, apart from the City's General (Government) funds. The following summarizes the financial analysis and highlights of the Storm Water Utility Enterprise first year of operation which began in July 2018:

2018 Highlights

- Issuance of general obligation bonds (series 2018) to fund future initial capital outlay;
- Provided funding to hire two (2) full-time staff positions - Fiscal (Billing & Accounts Receivables) and Customer Service Administrative (Public Works) personnel;
- Afforded funding to supplement one (1) full-time Mechanic who provides service for street sweeping and other storm water related equipment;
- Provided funding for ERP Software Solution and Systems upgrade;
- Shifted existing Engineering and Administration to Stormwater Utility Oversight and Management
 - Deputy Director, Engineer, Fiscal Administrator, GIS Mapping Analyst, Engineering Technician, and Maintenance Worker – 50% - 100% utilization; and
- Shifted existing Sewer Division Staff to Stormwater Operations
 - Third Shift Crew Chief and Maintenance Workers – Street sweeping, sewer and inlet cleaning – 50% - 100% utilization
 - First Shift Crew Chief and Maintenance Crews – Small drainage projects and emergency repairs – 50% - 100% utilization.

Financial Analysis

The Stormwater Utility bills are ran in three (3) cycles divided over all districts (see the Attachment A – Stormwater map).

Cycle 1 – Billing Months are July, October, January & April

Cycle 2 – Billing Months are August, November, February & May

Cycle 3 – Billing Months are September, December, March & June

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Storm Water Utility – Year 1 Analysis⁽¹⁾
 Summary of Revenue and Expense for Period Ending 12/31/18 (Unaudited)

	2018 Budget	2018 Actual	Variance	%Δ
Revenue				
Storm Water Utility Fee	\$4,666,667.00	\$4,214,487.82	\$ 452,179.18	90.31%
SWU Late Penalty Fees	\$0.00	\$134,121.86	\$ (134,121.86)	0.00%
SWU Billing Credits	\$0.00	-\$4,580.22	\$ 4,580.22	0.00%
SWU Adjustments	\$0.00	-\$75,714.02	\$ 75,714.02	0.00%
NSF (<i>Non-Sufficient Funds</i>)	\$0.00	\$225.00	\$ (225.00)	0.00%
Sub-Total	\$4,666,667.00	\$4,268,540.44	\$ 398,126.56	91.47%
Bond Principal ⁽²⁾	\$3,000,000.00	\$3,968,075.41	\$ (968,075.41)	132.27%
Total Revenue	\$7,666,667.00	\$8,236,615.85	\$ (569,948.85)	107.43%
Expense				
Personnel	\$2,759,064.00	\$1,879,741.25	\$ 879,322.75	68.13%
Contractual	\$1,072,628.00	\$734,524.62	\$ 338,103.38	68.48%
Supplies	\$300,100.00	\$313,230.23	\$ (13,130.23)	104.38%
Capital	\$4,630,000.00	\$3,658,541.65	\$ 971,458.35	79.02%
Debt Service	\$0.00	\$0.00	\$ -	0.00%
Total Expense	\$8,761,792.00	\$6,586,037.75	\$ 2,175,754.25	75.17%
Surplus (Deficit)	-\$1,095,125.00	\$1,650,578.10		

***Note:**

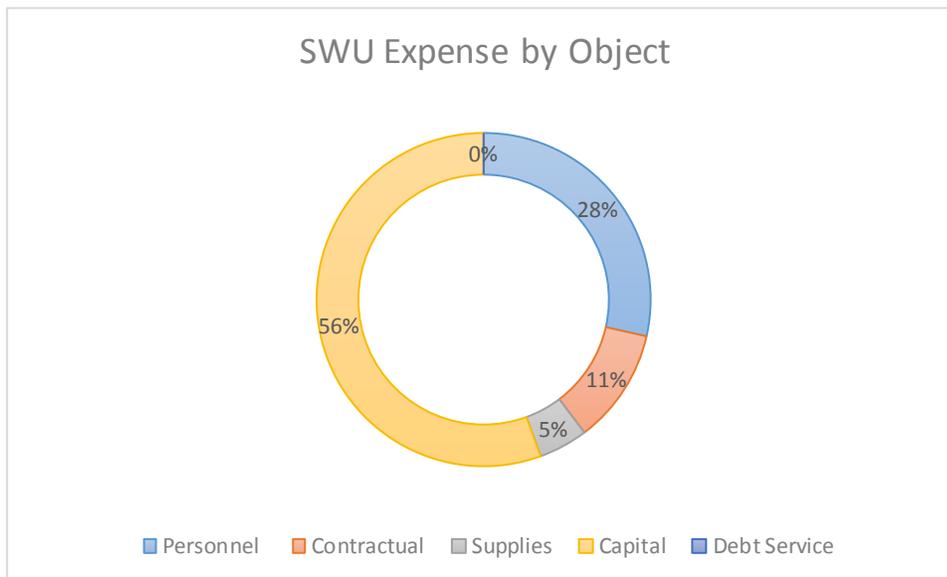
⁽¹⁾ Year 1 - Includes Revenue for six months (June - December); Expense includes the entire year (January - December)

⁽²⁾ Bonds (Actual) proceeds issued in 2018 posted newly created fund 441 (for capital - roads, sewer, sidewalks & capital equipment)

2018 Year-End

Total SWU Billed (plus/minus Adjustments)	\$4,268,540.44
Total SWU Collected	\$3,710,135.28
Total SWU Uncollected	\$558,405.16
Collection Rate	86.9%
Uncollected Rate	13.1%

Expenses Breakdown



Personnel	\$1,879,741
Contractual	\$734,525
Supplies	\$313,230
Capital	\$3,658,542
Debt Service	\$0
Total Expense	\$6,586,038

Storm Water Drainage Repair, Storm Sewer Cleaning, & Street Sweeping Operations

- ❖ Storm Water Drainage Repairs (In-House) – \$151,342
- ❖ Storm Water Sewer Cleaning (In-House) - \$82,962
- ❖ Storm Water Street Sweeping (3rd Shift In-House) - \$697,714

Operations	Labor Cost	Equipment Cost	Material	Total cost
SW Repairs	\$76,612	\$56,162	\$18,568	\$151,342
SW Cleaning	\$50,036	\$32,200	\$725	\$82,962
SW Sweeping	\$269,357	\$428,012	\$345	\$697,714
Total Storm Water In-House Operations				\$932,018

(See Attachment B – Cost Summary by Task)

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Storm Water & Wet Weather Solution Capital Projects

- ❖ Lyndale Wall – 2018 Budget \$600,000 (see Attachment C-1) ⁽³⁾
- ❖ Oak Cliff Court Culvert – 2018 Budget \$250,000 (see Attachment C-2) ⁽³⁾
- ❖ Storm Water Clean Water Act – 2018 Budget \$150,000 (see Attachment C-3) ⁽³⁾
- ❖ Drainage Repair Public Program – 2018 Budget \$600,000⁽³⁾
 - 17 Drainage ARC (Annual Repair Contract) projects 2018 - \$415,758 actual spent
- ❖ Private Property Drainage Assistance Program – 2018 Budget \$250,000⁽⁴⁾
 - 30 Private property assistance projects completed in 2018 - \$151,094 actual spent
- ❖ Enterprise Software – 2018 Budget \$2,100,000 ⁽⁴⁾
- ❖ Capital Equipment – 2018 Budget \$680,000 ⁽⁴⁾

Note:

⁽³⁾SWU Funds partially supported wet weather projects 10% - 50% with Sewer Fund Projects

⁽⁴⁾SWU Funds fully supported wet weather projects 100%

SWU Project Plan (5-year & Beyond)

Project Name	2019	2020	2021	2022	2023	Beyond 2023
Drainage Repair Program	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
Fleet Recapitalization	\$250,000	\$0	\$0	\$0	\$0	\$275,000
GIS Aerial Photography	\$50,000	\$0	\$0	\$50,000	\$0	\$50,000
Humboldt/Prospect Retaining Wall Replacement	\$482,000	\$0	\$0	\$0	\$0	\$0
Merle & Knoxville Culvert	\$0	\$600,000	\$0	\$0	\$0	\$0
Storm Water Management - Clean Water Act	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000
Stormwater Utility Grants	\$500,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000
Stream Corridor Assessment & Streambank Stabilization	\$0	\$0	\$150,000	\$570,000	\$570,000	\$0
Teton Drainage Improvement	\$360,000	\$0	\$0	\$0	\$0	\$0
Watershed Drainage Analysis	\$100,000	\$0	\$100,000	\$0	\$100,000	\$0
Total	\$2,867,000	\$2,325,000	\$1,975,000	\$2,345,000	\$2,395,000	\$2,050,000

2019 Stormwater Utility Projects

1. Humboldt Prospect Retaining Wall (See Attachment C)

An existing retaining wall along the north side of Prospect Road at Humboldt has deteriorated. This retaining wall also incorporates a storm sewer outfall which has also deteriorated. A structural engineer is required to design a solution for the wall, and to develop plans and specifications for the project to be put out to bid.

2. Stormwater Clean Water Act

The City's Illinois Environmental Protection Agency's (IEPA) National Pollutant Discharge Elimination (NPDES) Municipal Separate Storm Sewer System (MS4) Permit ILR40 has six minimum controls that need to be addressed:

1. Public education and outreach on storm water impacts

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2. Public involvement and participation
3. Illicit discharge detection and elimination
4. Construction site storm water runoff control
5. Post construction storm water management in new development and redevelopment
6. Pollution prevention/good housekeeping for municipal operations

Another requirement of the MS4 permit, is quarterly Stormwater sampling at various locations. A storm water system map is also a requirement of the permit. The City is continuing to collect field data on the Stormwater system to create a GIS storm sewer system map instead of relying on out of date paper maps. This effort has been ongoing since 2013. We anticipate that it will take 2-3 more years of data collection to complete the initial GIS map, then the effort will continue for maintenance of the map. Currently the map is completed from the north down to approximately War Memorial Drive. As we continue to move south into the partially combined sewer area, we expect that televising will be needed along with the field data collection in order to create an accurate system map.

3. The rain barrel program reimburses property owners \$50 per rain barrel for up to two rain barrels per property.

Green Infrastructure Grant program helps offset the cost of the construction of green infrastructure that is not required as part of an ordinance requirement. The reimbursement is \$1.50 per square foot for controlling the 1 inch storm or \$3.50 per square foot for controlling the 2.61 inch storm. The program will only reimburse up to 75% of the project cost.

The Private Property Drainage Assistance Program funds 75% of a project cost up to \$7,500 for small drainage projects on private property.

Stormwater Infrastructure Investment grant funds 75% of a project cost up to \$100,000 for large complicated drainage projects on private property.

4. Teton Drainage Improvement

The bike trail crossing Teton between Patton Lane and Manning Drive as well as the businesses and homes in the area experience periodic flooding. A drainage analysis was completed in 2018 and identified three culverts that have capacity issues. The project will increase the capacity of the three culverts to reduce flooding. The downstream channel has been evaluated and has the capacity to accept the additional runoff from the culvert improvements.

5. Watershed Drainage Analysis

Multiple locations throughout the City have drainage problems. The project will provide funding for the engineering analysis of the problems and identify potential solutions that will not negatively impact upstream or downstream properties. The pioneer industrial park corridor is one of the locations with existing drainage problems that will be evaluated.

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Summary

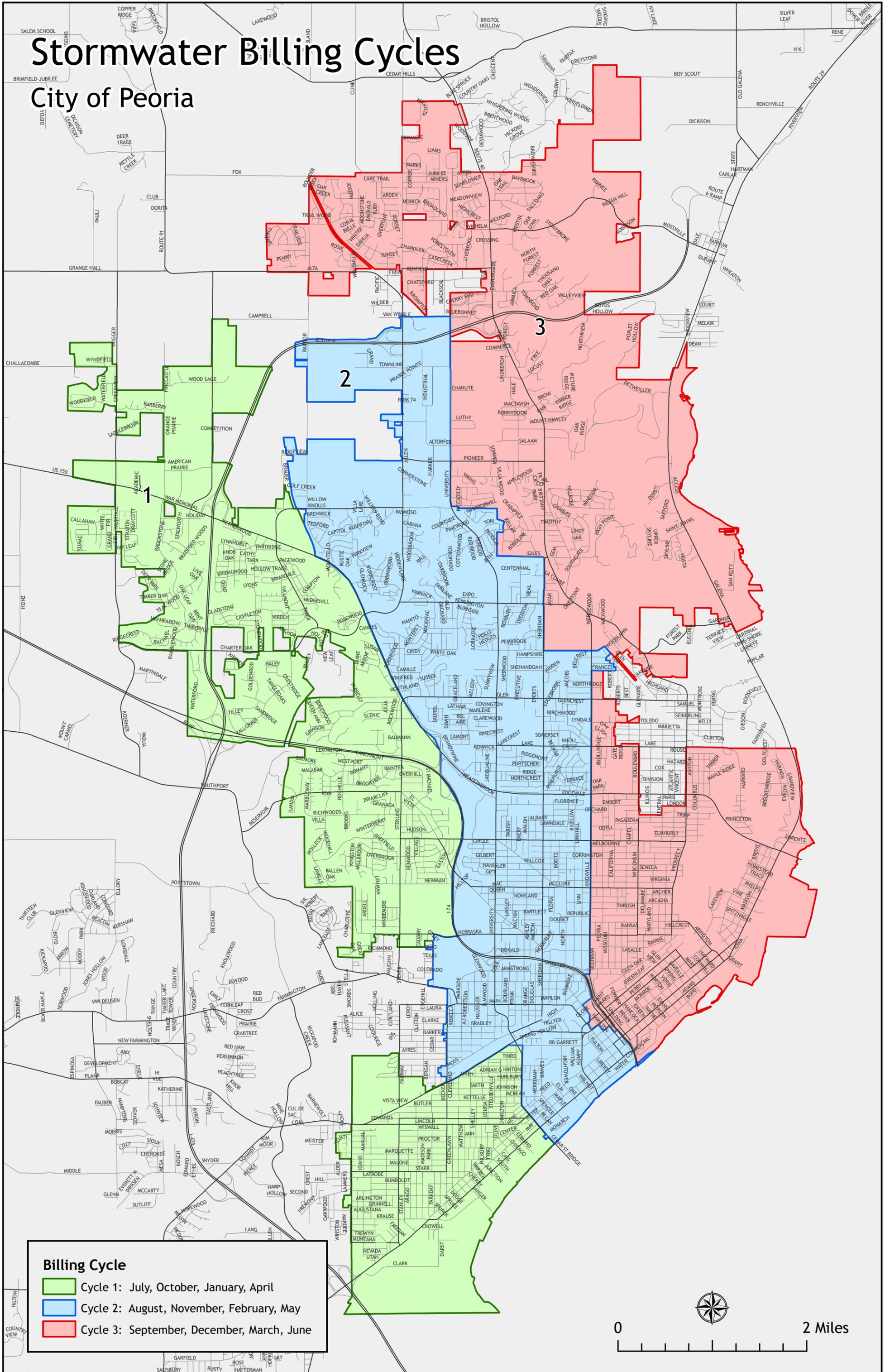
The first year implementation of the Storm Water Utility Enterprise has provided substantial benefits in controlling some of the City's wet weather issues. Since the evening street sweeping, storm sewer cleaning and repairs, the City has experienced numerous rain events that in the past could have caused street flooding and backups. The request for outstanding unpaid SWU by customer, address and amount is a generated document with 16,403 lines of information and 888 pages. Instead, the top seven highest uncollected⁽⁵⁾ are listed below as of run date at March 28th. The full document is available as a zipped pdf file.

TOP SEVEN 2018 SWU UNCOLLECTED DUE AS OF 3/28/19					
Customer Name	Property Location	Beg. Receivable	Billings	Adjs/ Credit/ Payments	End Receivable
FINCH FAMILY LAND TRUST # 1 & 2	DARST, SANGER & MULTI PIN	\$0	\$16,890.23	\$1,455.09	\$18,345.32
METROPOLITAN AIRPORT AUTHORITY OF PEORIA	MULTI PINs & LOCATIONS	\$0	\$20,388.60	\$1,019.43	\$21,408.03
WESTLAKE SHOPPING / LTD PARTNERSHP	STERLING, LAKE, 1430101005	\$0	\$8,038.60	\$1,024.91	\$9,063.51
AMEREN ILLINOIS COMPANY	MULTI PINs & LOCATIONS	\$0	\$5,606.10	\$0.00	\$5,606.10
EDWARD ROSE BUILDING COMPANY	WAR MEMORIAL & BIG HOLLOW	\$0	\$5,575.50	\$0.00	\$5,575.50
SRC FACILITIES LLC	2200 WAR MEMORIAL	\$0	\$5,481.46	\$698.88	\$6,180.34
OSF HEALTHCARE SYSTEM	MULTI LOCATIONS	\$0	\$6,656.40	\$0.00	\$6,656.40
TOTAL TOP UNCOLLECTED 2018 SWU BILLING					\$72,835.20

⁽⁵⁾ Excludes Peoria Public Schools and Peoria Park District – Pending intergovernmental agreements.

Stormwater Billing Cycles

City of Peoria



Billing Cycle

- Cycle 1: July, October, January, April
- Cycle 2: August, November, February, May
- Cycle 3: September, December, March, June



0 2 Miles

Cost Summary By Task/Location

Task
S.SWEEP Street Sweeping

Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
3505 N Dries Lane	24.00	\$750.32	\$0.00	\$0.00	\$0.00	\$0.00	\$750.32
City-Wide	525.00	\$16,761.88	\$17,665.28	\$0.00	\$0.00	\$0.00	\$34,427.16
E Glen Ave	16.00	\$497.28	\$919.60	\$0.00	\$0.00	\$0.00	\$1,416.88
E Nebraska Ave	0.25	\$11.28	\$9.18	\$0.00	\$0.00	\$0.00	\$20.46
Kickapoo Township	22.00	\$683.76	\$1,346.84	\$0.00	\$0.00	\$0.00	\$2,030.60
Main St	9.00	\$419.58	\$0.00	\$0.00	\$0.00	\$0.00	\$419.58
Mossville	4.00	\$120.32	\$226.64	\$0.00	\$0.00	\$0.00	\$346.96
N Allen Rd	16.00	\$497.28	\$919.60	\$0.00	\$0.00	\$0.00	\$1,416.88
N Allen Rd 02 Northmoor--Bacon	13.50	\$426.56	\$333.72	\$0.00	\$0.00	\$0.00	\$760.28
N Allen Rd 16 Prairie Pointe--Townline	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
N Derby Rd 01 EOP--Orchard	1.50	\$45.12	\$91.83	\$0.00	\$0.00	\$0.00	\$136.95
N Dries Ln	152.00	\$4,748.96	\$5,040.88	\$0.00	\$0.00	\$0.00	\$9,789.84
N Ellis St 03 Russell--Elizabeth	1.00	\$30.08	\$61.22	\$0.00	\$0.00	\$0.00	\$91.30
N Galena Rd	1.50	\$45.12	\$91.83	\$0.00	\$0.00	\$0.00	\$136.95
N Lehman Rd 02 Great Oak--Nebraska	1.00	\$32.63	\$61.22	\$0.00	\$0.00	\$0.00	\$93.85
N Moss Ave Ter	8.00	\$261.04	\$416.80	\$0.00	\$0.00	\$0.00	\$677.84
N Peoria Ave 08 Arcadia--Archer	1.50	\$48.95	\$91.83	\$0.00	\$0.00	\$0.00	\$140.78
N Prospect Rd	16.00	\$497.28	\$833.60	\$0.00	\$0.00	\$0.00	\$1,330.88
N Prospect Rd 37 Lakeside--White Oak	6.00	\$191.13	\$183.66	\$0.00	\$0.00	\$0.00	\$374.79
N University St	3.00	\$93.24	\$183.66	\$0.00	\$0.00	\$0.00	\$276.90
N University St 33 Forrest Hill--Hudson	80.00	\$2,495.20	\$608.64	\$0.00	\$0.00	\$0.00	\$3,103.84
NE Perry Ave	4.00	\$124.32	\$244.88	\$0.00	\$0.00	\$0.00	\$369.20
North end	88.00	\$2,747.44	\$5,034.08	\$0.00	\$0.00	\$0.00	\$7,781.52
Primary Sweeper Route 1	64.00	\$2,026.32	\$3,766.00	\$0.00	\$0.00	\$0.00	\$5,792.32
Primary Sweeper Route 2	32.00	\$1,019.36	\$1,897.60	\$0.00	\$0.00	\$0.00	\$2,916.96
Primary Sweeper Route 3	16.00	\$497.28	\$948.80	\$0.00	\$0.00	\$0.00	\$1,446.08
Primary Sweeper Route 4	80.00	\$2,498.80	\$4,714.80	\$0.00	\$0.00	\$0.00	\$7,213.60
Primary Sweeper Route 5	16.00	\$497.28	\$948.80	\$0.00	\$0.00	\$0.00	\$1,446.08
Primary Sweeper Route 6	16.00	\$497.28	\$948.80	\$0.00	\$0.00	\$0.00	\$1,446.08
Primary Sweeper Route 7	32.00	\$994.56	\$1,897.60	\$0.00	\$0.00	\$0.00	\$2,892.16
S Charlton St 02 Hurlburt--Smith	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
S Gomo St 03 Antoinette--Tonti	1.00	\$31.08	\$612.20	\$0.00	\$0.00	\$0.00	\$643.28
Service Route 01	149.00	\$4,645.37	\$7,454.90	\$0.00	\$0.00	\$0.00	\$12,100.27
Service Route 02	529.00	\$16,517.21	\$24,749.68	\$0.00	\$0.00	\$0.00	\$41,266.89
Service Route 03	260.00	\$8,074.80	\$12,384.97	\$0.00	\$0.00	\$0.00	\$20,459.77
Service Route 04	158.00	\$4,955.92	\$7,689.07	\$0.00	\$0.00	\$0.00	\$12,644.99
Service Route 05	411.00	\$12,812.72	\$21,496.80	\$0.00	\$0.00	\$0.00	\$34,309.52
Service Route 06	322.00	\$10,219.36	\$15,929.80	\$0.00	\$0.00	\$0.00	\$26,149.16
Service Route 07	272.00	\$8,413.60	\$12,952.24	\$0.00	\$0.00	\$0.00	\$21,365.84
Service Route 08	248.00	\$7,834.49	\$13,793.61	\$0.00	\$0.00	\$0.00	\$21,628.10
Service Route 09	398.00	\$13,642.31	\$20,430.68	\$0.00	\$0.00	\$0.00	\$34,072.99
Service Route 10	299.00	\$9,417.23	\$16,548.54	\$0.00	\$0.00	\$0.00	\$25,965.77
Service Route 11	195.00	\$6,129.23	\$10,640.38	\$0.00	\$0.00	\$0.00	\$16,769.61
Service Route 12	334.00	\$10,491.00	\$18,450.88	\$0.00	\$0.00	\$0.00	\$28,941.88
Service Route 13	216.00	\$6,801.36	\$11,514.15	\$0.00	\$0.00	\$0.00	\$18,315.51
Service Route 14	208.00	\$6,468.65	\$10,732.88	\$0.00	\$0.00	\$0.00	\$17,201.53
Service Route 15	154.00	\$4,864.80	\$7,581.65	\$0.00	\$0.00	\$0.00	\$12,446.45
Service Route 16	86.00	\$2,684.66	\$4,621.32	\$0.00	\$0.00	\$0.00	\$7,305.98
Service Route 17	203.00	\$6,373.97	\$10,427.96	\$0.00	\$0.00	\$0.00	\$16,801.93
Service Route 18	136.00	\$4,284.98	\$7,205.52	\$0.00	\$0.00	\$0.00	\$11,490.50
Service Route 19	142.00	\$4,419.88	\$7,627.56	\$0.00	\$0.00	\$0.00	\$12,047.44
Service Route 20	86.00	\$2,688.86	\$4,754.20	\$0.00	\$0.00	\$0.00	\$7,443.06

Cost Summary By Task/Location

Task
S.SWEEP Street Sweeping

Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Service Route 22	46.00	\$1,426.28	\$2,891.60	\$0.00	\$0.00	\$0.00	\$4,317.88
Service Route 23	54.00	\$1,664.72	\$2,896.84	\$0.00	\$0.00	\$0.00	\$4,561.56
Service Route 24	191.00	\$5,996.46	\$10,495.70	\$0.00	\$0.00	\$0.00	\$16,492.16
Service Route 25	116.50	\$3,646.05	\$6,451.42	\$0.00	\$0.00	\$0.00	\$10,097.47
Service Route 26	146.50	\$4,573.29	\$8,133.61	\$0.00	\$0.00	\$0.00	\$12,706.90
Service Route 27	59.00	\$1,835.62	\$3,265.42	\$0.00	\$0.00	\$0.00	\$5,101.04
Service Route 28	200.00	\$6,315.45	\$9,100.68	\$0.00	\$0.00	\$0.00	\$15,416.13
Service Route 29	128.00	\$4,059.97	\$6,450.64	\$0.00	\$0.00	\$0.00	\$10,510.61
Service Route 30	59.00	\$1,875.12	\$2,978.82	\$0.00	\$0.00	\$0.00	\$4,853.94
Service Route 31	211.50	\$6,547.15	\$11,362.51	\$0.00	\$0.00	\$0.00	\$17,909.66
Service Route 32	108.00	\$3,369.14	\$6,072.32	\$0.00	\$0.00	\$0.00	\$9,441.46
Service Route 33	81.00	\$2,580.42	\$4,502.82	\$0.00	\$0.00	\$0.00	\$7,083.24
Service Route 34	30.00	\$945.20	\$1,617.72	\$0.00	\$0.00	\$0.00	\$2,562.92
Service Route 35	4.00	\$120.32	\$208.40	\$0.00	\$0.00	\$0.00	\$328.72
Service Route 36	10.00	\$323.20	\$539.24	\$0.00	\$0.00	\$0.00	\$862.44
Service Route 37	20.00	\$620.90	\$698.16	\$0.00	\$0.00	\$0.00	\$1,319.06
Service Route 38	176.00	\$5,551.64	\$9,735.60	\$0.00	\$0.00	\$0.00	\$15,287.24
Service Route 39	84.00	\$2,630.92	\$4,631.76	\$0.00	\$0.00	\$0.00	\$7,262.68
Service Route 40	39.00	\$1,241.40	\$2,150.46	\$0.00	\$0.00	\$0.00	\$3,391.86
Service Route 41	70.50	\$2,222.78	\$3,805.29	\$0.00	\$0.00	\$0.00	\$6,028.07
Service Route 42	77.00	\$2,450.65	\$4,376.50	\$0.00	\$0.00	\$0.00	\$6,827.15
Service Route 43	25.00	\$772.75	\$1,323.36	\$0.00	\$0.00	\$0.00	\$2,096.11
Service Route 44	4.00	\$124.32	\$244.88	\$0.00	\$0.00	\$0.00	\$369.20
Service Route 45	7.00	\$215.56	\$410.30	\$0.00	\$0.00	\$0.00	\$625.86
Service Route 47	34.00	\$1,044.02	\$1,862.60	\$0.00	\$0.00	\$0.00	\$2,906.62
Service Route 48	26.00	\$813.26	\$1,454.92	\$0.00	\$0.00	\$0.00	\$2,268.18
Service Route 49	132.00	\$4,176.04	\$6,934.64	\$0.00	\$0.00	\$0.00	\$11,110.68
Service Route 50	82.00	\$2,562.03	\$4,491.08	\$0.00	\$0.00	\$0.00	\$7,053.11
Service Route 51	148.00	\$4,667.25	\$8,262.54	\$0.00	\$0.00	\$0.00	\$12,929.79
Service Route 52	12.50	\$405.38	\$674.05	\$0.00	\$0.00	\$0.00	\$1,079.42
Service Route 53	15.00	\$480.27	\$808.86	\$0.00	\$0.00	\$0.00	\$1,289.13
Service Route 55	13.50	\$414.46	\$581.59	\$0.00	\$0.00	\$0.00	\$996.05
SW Adams St 01 Adams--Fulton	8.00	\$254.84	\$51.76	\$0.00	\$0.00	\$0.00	\$306.60
SW Adams St 04 Harrison--William Kumpf	10.00	\$318.55	\$198.80	\$345.00	\$0.00	\$0.00	\$862.35
SW Adams St 10 Maple--Persimmon	4.00	\$127.42	\$208.40	\$0.00	\$0.00	\$0.00	\$335.82
SW Washington St	2.00	\$93.24	\$122.44	\$0.00	\$0.00	\$0.00	\$215.68
W Glen Ave 28 Brandywine--Sterling	40.00	\$1,247.60	\$318.08	\$0.00	\$0.00	\$0.00	\$1,565.68
W Malone Ave 04 Stanley--Griswold	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
W Moss Ave 09 Union--Garfield	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
W Nebraska Ave 08 Sheridan--Milton	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
W Nebraska Ave 09 Milton--Ashley	1.00	\$32.63	\$61.22	\$0.00	\$0.00	\$0.00	\$93.85
W Nebraska Ave 18 I-74--Park	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
W Queens Court Rd 01 Kingsway--Miramar	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
W Townline Rd 03 Industrial--Allen	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
W Townline Rd 04 Allen--Grand	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30
W Wilshire Dr 05 Rockvale--Capitol	1.00	\$31.08	\$61.22	\$0.00	\$0.00	\$0.00	\$92.30

Locations: 98 8,540.25 \$269,357.09 \$428,012.39 \$345.00 \$0.00 \$0.00 \$697,714.48

Labor Hours Labor Cost Eqp Cost Mat Cost Con Cost Overhead Total Cost

Cost Summary By Task/Location

Task

S.SWEEP Street Sweeping

Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Grand Total	8,540.25	\$269,357.09	\$428,012.39	\$345.00	\$0.00	\$0.00	\$697,714.48

Cost Summary By Task/Location

Task

S.STSEWR Storm Sewer Repair

Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Chicago St	6.00	\$212.22	\$79.52	\$54.54	\$0.00	\$0.00	\$346.28
E High Point Rd 03 High Point--High Point	20.00	\$629.35	\$438.60	\$198.06	\$0.00	\$0.00	\$1,266.01
E Nebraska Ave	30.00	\$922.65	\$779.10	\$316.03	\$0.00	\$0.00	\$2,017.78
E Ravine Ave 05 New York--Indiana	44.00	\$1,357.12	\$1,078.04	\$988.02	\$0.00	\$0.00	\$3,423.18
E Reservoir Blvd 03 EOP--High Ridge	69.00	\$2,284.07	\$1,520.43	\$126.00	\$10.79	\$0.00	\$3,941.29
E Thrush Ave 04 Indiana--Wisconsin	40.00	\$1,230.20	\$1,006.80	\$257.28	\$0.00	\$0.00	\$2,494.28
Hamilton Blvd 02 Washington--Adams	68.00	\$2,110.24	\$1,708.52	\$1,106.52	\$0.00	\$0.00	\$4,925.28
Liberty St	17.00	\$529.76	\$200.20	\$73.32	\$0.00	\$0.00	\$803.28
Main St	44.00	\$1,346.72	\$908.76	\$98.00	\$17.82	\$0.00	\$2,371.30
Main St 01 Water--Washington	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N Allen Rd 11 Cornerstone--Pioneer	19.00	\$584.02	\$213.14	\$325.95	\$0.00	\$0.00	\$1,123.11
N Bryer Pl 02 Willow--Lake	19.00	\$585.32	\$480.03	\$223.14	\$0.00	\$0.00	\$1,288.49
N Cooper St	3.00	\$106.11	\$39.76	\$6.57	\$0.00	\$0.00	\$152.44
N Delaware St	48.00	\$1,504.24	\$1,149.12	\$486.20	\$0.00	\$0.00	\$3,139.56
N Dries Ln	15.50	\$475.24	\$337.52	\$104.58	\$0.00	\$0.00	\$917.34
N Everts Ct	8.00	\$243.44	\$159.04	\$37.92	\$0.00	\$0.00	\$440.40
N Glenshire Dr 01 Bristol--Bristol	8.00	\$239.44	\$200.80	\$50.43	\$0.00	\$0.00	\$490.67
N Harmon Ave 03 Bishop--Tanglewood	17.00	\$517.31	\$337.96	\$93.21	\$0.00	\$0.00	\$948.48
N Heather Oak Dr	48.00	\$1,481.44	\$2,171.84	\$0.00	\$0.00	\$0.00	\$3,653.28
N Isabell Ave 04 Loucks--Forrest Hill	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
N Isabell Ave 17 Willcox--Gilbert	64.00	\$1,965.72	\$1,236.26	\$231.35	\$0.00	\$0.00	\$3,433.33
N Kimberly Dr 03 Kimberly--Teton	8.00	\$240.64	\$159.04	\$31.32	\$0.00	\$0.00	\$431.00
N Lehman Rd	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
N Lindbergh Dr 01 Bird--Driveway	32.00	\$976.16	\$831.04	\$537.47	\$0.00	\$0.00	\$2,344.67
N Orange Prairie Rd	83.00	\$2,536.09	\$2,270.85	\$396.35	\$0.00	\$0.00	\$5,203.29
N Peoria Ave	16.00	\$486.88	\$493.60	\$12.83	\$0.00	\$0.00	\$993.31
N Prospect Rd	2.00	\$61.51	\$51.94	\$0.00	\$0.00	\$0.00	\$113.45
N Prospect Rd 15 Melbourne--Forrest Hill	28.00	\$859.84	\$639.20	\$84.00	\$0.00	\$0.00	\$1,583.04
N Radnor Rd	2.00	\$61.16	\$39.76	\$7.52	\$0.00	\$0.00	\$108.44
N Saratoga St 02 Adrian G Hinton--John Gwynn Jr	24.00	\$755.22	\$335.70	\$147.00	\$0.00	\$0.00	\$1,237.92
N Sheridan Rd	8.00	\$240.64	\$51.76	\$26.28	\$0.00	\$0.00	\$318.68
N Sheridan Rd 06 Russell--Elizabeth	60.50	\$1,859.54	\$1,447.22	\$127.13	\$0.00	\$0.00	\$3,433.89
N Sheridan Rd 37 Florence--War Memorial	6.00	\$186.48	\$38.82	\$110.28	\$0.00	\$0.00	\$335.58
N Sheridan Rd 60 Pine Hill--Giles	7.00	\$213.01	\$45.29	\$0.00	\$0.00	\$0.00	\$258.30
N Trail View Dr 05 Wood Trail--Glenfield	16.00	\$486.88	\$187.04	\$63.15	\$0.00	\$0.00	\$737.07
N Underhill St 01 Main--Russell	32.00	\$1,006.96	\$831.04	\$0.00	\$0.00	\$0.00	\$1,838.00
N University St 71 Chanute--Townline	28.00	\$857.36	\$727.16	\$197.63	\$5.32	\$0.00	\$1,787.47
N Villa Lake Dr 02 Willow Knolls--EOP	38.00	\$1,194.22	\$701.10	\$333.88	\$0.00	\$0.00	\$2,229.20
N Warren St	16.00	\$492.08	\$415.52	\$105.00	\$0.00	\$0.00	\$1,012.60
N William Kumpf Blvd	95.00	\$3,075.92	\$2,252.22	\$657.99	\$0.00	\$0.00	\$5,986.13
N Woodview Ave 04 Sunnyview--Merrimac	32.00	\$998.96	\$727.52	\$168.00	\$0.00	\$0.00	\$1,894.48
NE Adams St	3.00	\$106.11	\$39.76	\$16.29	\$0.00	\$0.00	\$162.16
NE Adams St 34 Vine--Fairholm	37.00	\$1,165.46	\$1,449.16	\$269.50	\$0.00	\$0.00	\$2,884.12
S Madison Park Ter	20.00	\$615.10	\$519.40	\$84.75	\$0.00	\$0.00	\$1,219.25
S Madison Park Ter 09 Martin--Kettelle	2.00	\$60.86	\$12.94	\$105.75	\$0.00	\$0.00	\$179.55
S Richard Pryor Pl	33.00	\$1,013.94	\$838.92	\$325.52	\$0.00	\$0.00	\$2,178.38
S Shelley St	35.00	\$1,082.05	\$868.93	\$220.48	\$0.00	\$0.00	\$2,171.46
S Steubenville Ave 05 Smith--Johnson	16.00	\$503.48	\$223.80	\$147.00	\$0.00	\$0.00	\$874.28
S Western Ave	31.00	\$937.73	\$433.61	\$88.57	\$0.00	\$0.00	\$1,459.91
S Western Ave 02 Dr MLK Jr--Martin	22.00	\$692.83	\$530.63	\$54.05	\$0.00	\$0.00	\$1,277.51
Sanger St 02 Monarch--Washington	22.00	\$692.29	\$599.12	\$378.00	\$0.00	\$0.00	\$1,669.41
Service Route 09	6.00	\$186.48	\$129.03	\$0.00	\$0.00	\$0.00	\$315.51

Cost Summary By Task/Location

Task

501 Storm Sewers Cleaning

Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
City-Wide	429.50	\$13,650.73	\$8,503.97	\$0.00	\$0.00	\$0.00	\$22,154.70
E Bishop Ave 01 Harvard--Harmon	4.00	\$125.56	\$86.02	\$0.00	\$0.00	\$0.00	\$211.58
E Corrington Ave 05 Indiana--Wisconsin	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
E Ellington Dr	4.29	\$155.94	\$81.00	\$0.00	\$0.00	\$0.00	\$236.94
E Embert Pl 02 Peoria--Missouri	4.00	\$122.34	\$86.02	\$0.00	\$0.00	\$0.00	\$208.36
E Fairoaks Ave 04 Illinois--Central	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
E Frances Ave 02 Knoxville--Robert	6.00	\$191.13	\$129.03	\$0.00	\$0.00	\$0.00	\$320.16
E High Point Dr	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
E High Point Rd 02 High Point--High Point	23.00	\$714.84	\$494.62	\$0.00	\$0.00	\$0.00	\$1,209.46
E High Point Ter	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
E Kansas St	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
E Ravine Ave 05 New York--Indiana	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
E Richwoods Blvd 02 EOP--Central	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
E Tripp Ave 04 Atlantic--Prospect	6.00	\$191.77	\$129.03	\$0.00	\$0.00	\$0.00	\$320.80
Hamilton Blvd 01 Water--Washington	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
Hamilton Blvd 02 Washington--Adams	7.00	\$217.56	\$150.53	\$0.00	\$0.00	\$0.00	\$368.09
Main St 09 Knoxville--Glendale	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
Morgan St 05 Monroe--Perry	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
N Allen Rd 08 Pasmoso--Willow Knolls	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
N Allen Rd 09 Willow Knolls--Commerce	32.00	\$994.56	\$688.16	\$0.00	\$0.00	\$0.00	\$1,682.72
N Big Hollow Rd 12 Northland--Glen Hollow	16.00	\$497.28	\$279.32	\$0.00	\$0.00	\$0.00	\$776.60
N Big Hollow Rd 13 Glen Hollow--Stephen	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
N Bigelow St 14 Forrest Hill--Merle	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N Bootz Ave	3.29	\$112.14	\$67.59	\$0.00	\$0.00	\$0.00	\$179.73
N Bryer Pl 02 Willow--Lake	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
N Central Ave 06 Archer--McClure	6.00	\$186.48	\$129.03	\$0.00	\$0.00	\$0.00	\$315.51
N Delaware St	1.00	\$43.80	\$13.41	\$0.00	\$0.00	\$0.00	\$57.21
N Dries Ln	36.00	\$1,136.24	\$774.18	\$0.00	\$0.00	\$0.00	\$1,910.42
N Gale Ave	6.00	\$186.48	\$129.03	\$0.00	\$0.00	\$0.00	\$315.51
N Great Oak Ct	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
N Indiana Ave 19 Arcadia--Archer	5.00	\$155.40	\$107.52	\$0.00	\$0.00	\$0.00	\$262.92
N Isabell Ave 17 Willcox--Gilbert	4.00	\$122.32	\$86.02	\$0.00	\$0.00	\$0.00	\$208.34
N Knoxville Ave	2.00	\$63.71	\$43.01	\$0.00	\$0.00	\$0.00	\$106.72
N Lehman Rd	2.00	\$93.24	\$43.01	\$0.00	\$0.00	\$0.00	\$136.25
N Linn St 02 Richmond--Nebraska	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
N Mar Vista Dr	3.00	\$139.86	\$64.51	\$0.00	\$0.00	\$0.00	\$204.37
N Maryland St	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
N Megan Ct	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N Miramar Dr	8.00	\$248.64	\$172.04	\$0.00	\$0.00	\$0.00	\$420.68
N Missouri Ave 08 Ellington--Tripp	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
N Missouri Ave 09 Tripp--Embert	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N North St	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
N Prospect Rd 42 Prospect--Woodlawn	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N Rosemead Dr	4.00	\$191.14	\$172.04	\$0.00	\$0.00	\$0.00	\$363.18
N Saratoga St 04 EOP--EOP	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N Sheridan Rd 06 Russell--Elizabeth	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N Sheridan Rd 24 McClure--Virginia	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N St Marys Rd	2.00	\$63.71	\$43.01	\$0.00	\$0.00	\$0.00	\$106.72
N University St 06 Columbia--Armstrong	12.00	\$374.54	\$258.06	\$0.00	\$0.00	\$0.00	\$632.60
N University St 35 Merle--Florence	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N University St 71 Chanutte--Townline	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
N Wisconsin Ave	6.57	\$224.28	\$135.17	\$0.00	\$0.00	\$0.00	\$359.46

Cost Summary By Task/Location

Task

501 Storm Sewers Cleaning

Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
N Wisconsin Ave 11 Republic--Republic	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
N Wisconsin Ave 13 Thrush--Arcadia	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
N Woodview Ave 04 Sunnyview--Merrimac	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
NE Adams St	8.00	\$248.64	\$172.04	\$0.00	\$0.00	\$0.00	\$420.68
NE Adams St 01 Adams--Hamilton	12.00	\$435.12	\$258.06	\$0.00	\$0.00	\$0.00	\$693.18
NE Adams St 02 Hamilton--Fayette	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
NE Adams St 15 Evans--Morton	4.00	\$125.56	\$86.02	\$0.00	\$0.00	\$0.00	\$211.58
NE Adams St 33 Alexander--Vine	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
NE Adams St 34 Vine--Fairholm	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
NE Glen Oak Ave	10.29	\$329.70	\$218.12	\$0.00	\$0.00	\$0.00	\$547.82
NE Madison Ave 15 Main--Hamilton	2.00	\$64.35	\$43.01	\$0.00	\$0.00	\$0.00	\$107.36
NE Monroe St	6.00	\$188.03	\$129.03	\$0.00	\$0.00	\$0.00	\$317.06
NE Monroe St 10 Wayne--Morgan	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
NE St Marks Ct	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
S Blaine St 04 Lincoln--Ann	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
S Faraday Ave	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
S Greenlawn Ave 01 Lincoln--Ann	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
S Greenlawn Ave 05 Starr--Latrobe	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
S Griswold St 18 Seibold--Friedan	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
S Idaho St	4.00	\$128.06	\$86.02	\$0.00	\$0.00	\$0.00	\$214.08
S Idaho St 01 Fremont--Arlington	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
S Idaho St 02 Arlington--Grinnell	4.00	\$124.32	\$2.00	\$0.00	\$0.00	\$0.00	\$126.32
S Matthew St	3.00	\$106.11	\$39.76	\$7.83	\$0.00	\$0.00	\$153.70
S Richard Pryor Pl	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
S Saratoga St	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
S Saratoga St 05 McBean--Brotherson	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
S Shelley St	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
S Sumner Ave 02 Ann--Antoinette	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75
S Western Ave	14.00	\$435.12	\$301.07	\$0.00	\$0.00	\$0.00	\$736.19
Service Route 01	79.50	\$2,470.86	\$1,405.82	\$0.00	\$0.00	\$0.00	\$3,876.68
Service Route 02	39.00	\$1,415.64	\$712.21	\$0.00	\$0.00	\$0.00	\$2,127.85
Service Route 03	20.00	\$621.60	\$430.10	\$0.00	\$0.00	\$0.00	\$1,051.70
Service Route 04	16.00	\$497.28	\$344.08	\$0.00	\$0.00	\$0.00	\$841.36
Service Route 05	42.00	\$1,305.36	\$903.20	\$0.00	\$0.00	\$0.00	\$2,208.56
Service Route 06	23.00	\$714.84	\$494.61	\$0.00	\$0.00	\$0.00	\$1,209.45
Service Route 07	16.00	\$497.28	\$344.08	\$0.00	\$0.00	\$0.00	\$841.36
Service Route 08	21.00	\$652.68	\$451.60	\$0.00	\$0.00	\$0.00	\$1,104.28
Service Route 09	29.00	\$901.32	\$623.65	\$0.00	\$0.00	\$0.00	\$1,524.97
Service Route 10	20.00	\$621.60	\$178.04	\$0.00	\$0.00	\$0.00	\$799.64
Service Route 11	47.00	\$1,460.76	\$758.67	\$0.00	\$0.00	\$0.00	\$2,219.43
Service Route 12	22.00	\$683.76	\$473.11	\$0.00	\$0.00	\$0.00	\$1,156.87
Service Route 13	8.00	\$251.12	\$172.04	\$0.00	\$0.00	\$0.00	\$423.16
Service Route 14	13.00	\$569.40	\$174.33	\$0.00	\$0.00	\$0.00	\$743.73
Service Route 49	12.00	\$372.96	\$258.06	\$0.00	\$0.00	\$0.00	\$631.02
Service Route 51	21.00	\$652.68	\$451.60	\$0.00	\$0.00	\$0.00	\$1,104.28
South St	1.00	\$43.80	\$13.41	\$0.00	\$0.00	\$0.00	\$57.21
Spring St	3.29	\$112.14	\$67.59	\$0.00	\$0.00	\$0.00	\$179.73
SW Adams St	6.00	\$190.59	\$129.03	\$0.00	\$0.00	\$0.00	\$319.62
SW Meyer Av	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34
SW Washington St 31 Krause--Adams	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17
SW Water St 01 Water--Liberty	8.00	\$248.64	\$172.04	\$0.00	\$0.00	\$0.00	\$420.68
W Aiken Ave 08 Du Sable--Grove	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34

Cost Summary By Task/Location

Task

501 Storm Sewers Cleaning

Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost	
W Armstrong Ave	16.00	\$509.68	\$344.08	\$0.00	\$0.00	\$0.00	\$853.76	
W Armstrong Ave 12 Ellis--Sheridan	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75	
W Ashbrooke St	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Bradley Ave 06 Institute--Tobias	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Brons Ave	7.00	\$222.99	\$150.53	\$0.00	\$0.00	\$0.00	\$373.52	
W Carriage Ln	6.00	\$186.48	\$129.03	\$0.00	\$0.00	\$0.00	\$315.51	
W Chartwell Rd	2.00	\$63.71	\$43.01	\$0.00	\$0.00	\$0.00	\$106.72	
W Chartwell Rd 04 Rustic Oak--Parkdale	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Clairemont Ct 02 White Fir--EOP	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Columbia Ter 07 Flora--Flora	8.00	\$251.12	\$172.04	\$0.00	\$0.00	\$0.00	\$423.16	
W Crestwood Dr 14 Stable--EOP	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Deerbrook Dr 06 Wilderness--Buckskin	3.00	\$95.57	\$64.51	\$0.00	\$0.00	\$0.00	\$160.08	
W Delray Dr 01 Imperial--Oakbrook	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Dr MLK Jr Dr 06 Sheridan--Union	10.00	\$310.80	\$215.05	\$0.00	\$0.00	\$0.00	\$525.85	
W Garden St	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Gift Ave 03 Loucks--Broadway	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Greenway Pl	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17	
W Hazel Nut Dr	6.00	\$186.48	\$129.02	\$0.00	\$0.00	\$0.00	\$315.50	
W Hearthwood Dr 04 Fieldgrove--Glenfield	4.00	\$122.32	\$86.02	\$0.00	\$0.00	\$0.00	\$208.34	
W Hickory Grove Rd 08 Allen--Granite	4.50	\$162.17	\$66.01	\$0.00	\$0.00	\$0.00	\$228.18	
W High St	6.00	\$186.48	\$129.03	\$0.00	\$0.00	\$0.00	\$315.51	
W Hurlburt St 03 McReynolds--MacArthur	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Kensington Dr 01 Briarwood--Trenton	10.00	\$296.60	\$198.80	\$0.00	\$0.00	\$0.00	\$495.40	
W Krause Ave	8.00	\$248.64	\$172.04	\$0.00	\$0.00	\$0.00	\$420.68	
W Lake Ave 03 Lake--Stonegate	24.00	\$745.92	\$831.04	\$717.40	\$0.00	\$0.00	\$2,294.36	
W Latrobe St	8.00	\$248.64	\$172.04	\$0.00	\$0.00	\$0.00	\$420.68	
W Main St 11 Underhill--University	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Main St 16 Maplewood--Parkside	5.00	\$155.40	\$107.52	\$0.00	\$0.00	\$0.00	\$262.92	
W Main St 18 Farmington--Rebecca	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75	
W Margaret Ave 01 Isabell--University	13.00	\$404.04	\$279.56	\$0.00	\$0.00	\$0.00	\$683.60	
W Martin St 04 Blaine--Western	8.00	\$248.64	\$172.04	\$0.00	\$0.00	\$0.00	\$420.68	
W Meadows Pl 01 Sheridan--Broadway	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17	
W Millman St 06 EOP--Warren	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Millman St 09 Western--Madison Park	3.00	\$93.24	\$64.51	\$0.00	\$0.00	\$0.00	\$157.75	
W Newman Pky 05 EOP--Newman	12.00	\$372.96	\$258.06	\$0.00	\$0.00	\$0.00	\$631.02	
W Stonegate Rd	3.00	\$139.86	\$64.51	\$0.00	\$0.00	\$0.00	\$204.37	
W Sunnyview Dr 02 Sunnyview--Sunnybrook	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17	
W Teton Dr 17 Cottonwood--Cedarwood	10.00	\$310.80	\$215.04	\$0.00	\$0.00	\$0.00	\$525.84	
W Thames Dr	3.29	\$112.14	\$67.59	\$0.00	\$0.00	\$0.00	\$179.73	
W Thrush Ave 02 Broadway--Bourland	4.00	\$127.42	\$86.02	\$0.00	\$0.00	\$0.00	\$213.44	
W Verner Dr 02 Sedley--Wacker	4.00	\$127.42	\$86.02	\$0.00	\$0.00	\$0.00	\$213.44	
W Virden Dr 02 Sedley--Wacker	10.00	\$313.90	\$215.05	\$0.00	\$0.00	\$0.00	\$528.95	
W War Memorial Dr 15 Glen--Northland	10.00	\$310.80	\$215.04	\$0.00	\$0.00	\$0.00	\$525.84	
W West Aire Ave 01 University--Jacqualine	2.00	\$62.16	\$43.01	\$0.00	\$0.00	\$0.00	\$105.17	
W Westminster Ave 02 Winthrop--Wellington	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
W Wexford Pl	3.00	\$95.57	\$64.51	\$0.00	\$0.00	\$0.00	\$160.08	
W Wiswall St 03 Western--Madison Park	4.00	\$124.32	\$86.02	\$0.00	\$0.00	\$0.00	\$210.34	
Locations:	151	1,573.50	\$50,036.07	\$32,200.43	\$725.23	\$0.00	\$0.00	\$82,961.73

Cost Summary By Task/Location

Task

501 Storm Sewers Cleaning

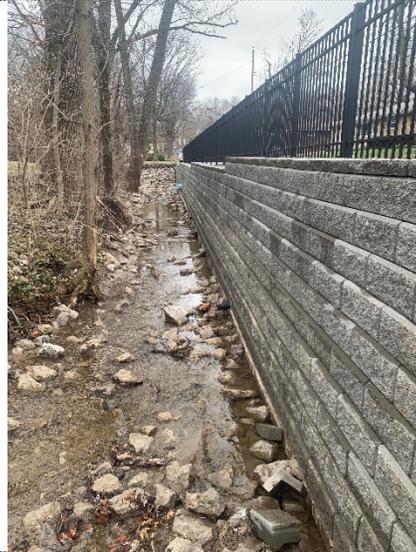
Location	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Grand Total	1,573.50	\$50,036.07	\$32,200.43	\$725.23	\$0.00	\$0.00	\$82,961.73

Attachment C-1

Lyndale wall project



Before photo looking north-northwest



During construction 4/5/19
looking north- northwest



Before photo looking east



During construction 4/5/19
photo looking east

Total estimated project cost is \$320,000.

Estimated schedule:

Construction started in December 2018

Construction completed in summer 2019

Oak Cliff Culvert Project



Before photo looking north

Total estimated project cost is \$340,000.

Estimated schedule:

Construction will start in late or spring early summer 2019

Construction completed by end of year 2019

Clean Water Act/Municipal Separate Storm Sewer System (MS4)

The city is required to have a MS4 permit from the Illinois Environmental Protection Agency (IEPA). The permit requires that the City have a stormwater program that address the six minimum controls shown below.

- Public education and outreach on storm water impacts
- Public involvement and participation
- Illicit discharge detection and elimination
- Construction site storm water runoff control
- Post construction storm water management in new development and redevelopment
- Pollution prevention/good housekeeping for municipal operations

The 2018 budget was \$150,000.

Updated 4/15/2019

		2019 ARC Project List			
#	Project Name	Notes	Contact Name	Contact Number	PIN
1	Oak Cliff Ct	CMP culvert starting to rust on the bottom. Head wall for structure is failing. Multiple utilities in the way. Would also need to work on one side of the road at a time as this is the only road servicing large apartment complexes. Work started in 2019			1421451004
2	Merle Ln and Knoxville Ave culvert	August 2017- visited site, head wall for the culvert is failing. Road is falling in. Some recent repairs were to install metal rails to hold guard rail in place. Current culvert is a large CMP that the condition is unknown.			1428331018
3	Dry Run Creek erosion repairs- continuation of Holly Hedges Devereux project	erosion repairs and stabilization from 2002 Stormwater master plan. Early Action Project #1			1419229009
4	West Branch Dry Run Creek "B" erosion repairs- South of War Memorial Drive	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #2			1428376010
5	Big Hollow Creek	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #3	erosion repairs and stabilization from 2002 Stormwater master plan.	erosion repairs and stabilization from 2002 Stormwater	1409180010
6	Dry Run Creek "B" erosion repairs- McClure to Nebraska	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #4			143305032
7	Dry Run Creek "B" erosion repairs- Forrest Hill Ave to Glen Ave	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #5			1428252001
8	Prospect Humbolt Wall	Existing wall on north side of Prospect at Humbolt is in need of repair or replacement. Engineering work started in 2019			1416402011
9	Merle Florence Drainage Ditch	long term repairs and upgrades			1428303019
10	Orange Prairie Natural prairie detention basin restoration	Evaluation of Orange prairie (Grange Hall Rd - American Prairie Dr) natural prairie detention basins (4) (\$20K) to provide recommendations to restore. Restoration of prairie (125.K) and 1 year maintenance contract to re-establish and evaluate (\$35K per year). Would need to budget \$35K each year. Once the prairie is fully established the annual maintenance may decrease.			13102000017, 1303276029 & 08351000015

11	Teton Culverts near the Rock Island Trail and Teton Drive	Near the Rock Island Trail and Teton Drive, there are flooding issues as water ponds behind the trail. A hydrologic and hydraulic analyses have been performed to evaluate the performance of existing drainage infrastructure. Three culverts are undersized and need to be replaced with larger diameter pipes.			
12	GPS data collection and GIS mapping of the storm sewers	Using a consultant to collect survey grade locations of the storm sewer systems which is then entered into GIS.			
13	Merle Florence Drainage Ditch	August 2013- structural review- minor patching of concrete needed-PCC is not a structural wall only a lining. SJA-10.08.12 - exposed rebar, deteriorated conc., voids behind wall on homeowners property. June 2012 - City Drainage Easement, concrete lined drainage ditch (our responsibility). Starts behind the church at 3601 N North St, runs between the houses, under Florence, again between the houses, runs between 421 and 415 W Merle Ln, under Merle and into a culvert. Degrading concrete is exposing metal mesh. Must manage water flow in ditch. City crews are not able to do the work per David Haste. 2014 - spalling has gotten worse. Update and provide estimate on project.	Referred by David Haste, Caller Bill Christiansen of 421 W Merle Ln	(309) 682-1457	1428303019
14	Beacon 503	Location televised in 2017. Report showed may have been fixed recently. End of pipe looks to be failing soon. Check in upcoming years			1435134002
15	924 Bridgetowne Ct	road ends at ROW line. Drainage is poor at the end of the road. Must travel across two private properties to get to the ravine. Look at getting a permanent easement across the two properties. Once get the easements, construct a ditch. City crews may be able to construct the ditch. Surveyor needed for the permanent easement	City		920477008
16	2616 N Trails Edge dr	Hole in PVC pipe. Televised 3/2017. See SR# 25210, address wrong?			
17	5202 Ronald Road	erosion around the pipe. Pipe sticking out of the ground. Concrete or mortar may have been dumped in the pipe.	GPSD		1419229008
18	Nowland 1023 W	Downstream from Macqueen (2010 project), moved off the 2011 list due to large cost. 9/09/14 sent PPDA flyer and sent consultant. Property is on a regulated floodplain and there is a city ROW to the west of the property. Need to discuss options since it is in a regulated flood plain.	Lawrence Butler	(309) 363-6781	1432427032
19	Picture Ridge Road 9169 N	She will write a letter to Scott and include pictures she has taken; broken/ cracked storm sewer in back of the ravine "spewing" water and undermining the pipe there. Site visit by JFS and JCG. Memo sent to city, city wants input from the ARC contractor on the project and what they can produce that is financially sound. Possible CIP or alternative option. [Previously, owner has completed two PPDA projects in 1991 and 1992 at this location.] possibly line with riprap, slope may be too steep for a pipe	Ms Mustakas	691-6012	933378023
20	Holly Hedges 1533 W	sinkhole at the bottom of stairs, unbury manhole by stairs and see what is going on	Bill Lurch (920)319-6651		1417380017
21	Huntington Dam on Rothmere Dr- 2014 repairs- line pipe, upgrade to CI 2 dam regulations	EAP required per IDNR. Repair in-kind; Foth work remaining	Mr. Rick Farnan- 5123 N. Rothmere	253-2666	1323176005
22	Ardell pl 2105 N	ditch or rain garden			1431306035
23	Cimarron 1415 & 1423	Debris and silt have clogged upstream inlet.			1417378020
24	1127 S Laramie St	Water ponds on the side of the road and it gets into the middle of the pavement of the road. There may have been ditching at one point or it just never had good drainage. Would need to regrade the side of the road or come up with another solution			1713276008
25	11336 N Antler Pl	Pipe around outfall eroding away, head wall sinking, house somewhat close by to the south east			929202009

26	1524 W Marlene Ave	Ravine by this property is eroding and making their fence cave in. The ravine is either owned by the City or the county.			1420328035
27	Playden Dr	Piece of pipe missing			
28	Townsend Dr. 9925 N	ditch along Ravenwoods has two large trees with roots encroaching on the channel, also sticks and tree debris in channel. Ditch cleaning recommended	Conchetta Johnson	773-852-2961	932276006
29	Isabell and Hanssler	Resident says street flood when heavy rains occur. the concrete channel is full of silt and small tree that is blocking channel. Ditch cleaning needed.			1432256001
30	Chartwell 3512	Ditch cleaning needed upstream of the culvert			1312453021
31	717 W South Forest/10217N Forre	Culvert pipe needed a repair several ago, City slipped a PVC pipe partially through a CMP, there is some blockage in the pipe causing the water to overflow and runoff onto 717 South Forest; neighbor concerned with private culvert at 10217 South Forest that it does not have the right grade around the pipe to allow water to flow to the road culvert; replace pipe and possible ditch cleaning	Jay Simmons (309)-369-4947	309-369-4947	929479012
32	Gilbert 1019 W	NOTE: stream designated as a alley on the plat; drainage culvert at location shows signs of erosion and vegetation overgrowth; veg. to be removed and culvert protected	Marlene Johnson (309)686-3690		1432208016
33	Ronald 4908 (at corner of Glen)	Headwall on upstream end has erosion at west end of wing wall. 1.19.15 UPDATE: Erosion on West and East side at wall. Reestablish & stabilize slope on the west and east side.	Ms. Nicole Thaxton	309-648-9830	1419257014
34	10025 N Spring Lane	Property owner and the neighbors on her street have flooding issues in the front of their properties. The drainage system is ditches and they've been filled it. Would need to regrade whole street for proper drainage	Jill Welch	309-251-3220	932201012
35	6323 W Waterstone Way	Water settles in the middle of road. Pipes were televised and no issues found with the pipes. Water company claims there isn't anything wrong with their system. Road has been patched multiple times.			1303180001
36	Boulevard and Cox	Small sinkhole over culvert. The culvert is draining Peoria Heights, will have to work on a join project with them			
37	Oak Trail 11218	Place riprap along channel at outfall to prevent erosion. 2015 Homeowners using PPDA program and submitted an app	Jill Blank, homeowner at 11300 Hickory Woods		929203003
38	2706 W Parkridge Dr	Grate protecting the pipe on the back side of the property is old and rusted but it doesn't look to be damaged. It will need to be replaced in the near future. Will need to check easements to see if overflow pipe is ours			
39	W La Claire Ln	The street ends into a empty lot and the street floods at the end. The street has no inlets and the ditches look to be filled in.			
40	Windflower Ct 2601	Minor erosion in front of and under outfall, major erosion private property, may be eligible for private property program	Bilsland, Jeffery (309) 696-1901		930376021
41	10517 N Coral Belle Ct	Water from the pipe was causing erosion that was causing damage by property owner's fence. When the fence was put in, he was told he couldn't build further because there was an easement. Need to look into stabilizing where outfall is.			
42	6702 N Parkdale Dr	The water stays in the street and either isn't getting into the inlet or the pipe size is not big enough. Look into regrading the street and redoing the curbs			1312480001
43	6211 N Jamestown Rd	Erosion at end of outfall pipe			
44	Trail View	Point repair on pipe. Mortar failling around brick.			
45	Allen/Park (#2313)	broken/cracked in some spots but still in tact, repair riprap below concrete flare	DWS		1406100004

46	Sheridan 5105 N	I spoke with Fr. Meridian. He explained that there is a pipe on the hill along the west side of Sheridan that drains to a ditch and the ditch/end of pipe are eroding. From Google map, it looks like the hill has a ditch section that then turns into a curb and gutter section near the high school (approximately at Sherbrook. There is driveway culvert at what looks to be a school parking lot on the north end. Please take a look and see if it is a public or private repair. If it's public add to ARC. I explained that we add to the list based on priority. If it is private, send them info on the PPDA. If it is a small ditch cleaning/stabilization, we may add that to the other small ditch cleaning projects to make one decent ditch maintenance project this year. ditch cleaning needed	Father Meridan	309-691-6705	1420276053
47	South Forest 10300 (#1760)	old, rusty, part. Exposed, repair spillway if condition worsens	DWS		932226001
48	Northcrest 2222 N. (Also 2225 Idaho)	natural drainage way runs through backyard to inlet located on 2225 Idaho. During heavy rainfalls, inlet backups and floods 2222 Northcrest property. Homeowner would like flooding reduced/eliminated. Flooding started within last three years. Need to contact and report findings from televis (9/10/12-left message). Talked with homeowner-informed her no issue with pipe. Moved to low Priority. Visited on 6.15.15, debris on inlet in property, debris on inlets in the street; sent to city for cleaning	Pat Willis	309-688-5086 (home) 309-637-3905 ext 283 (work)	1431305003
49	Capitol 3213 W	Erosion around storm pipe	Colette Lundstrom	eco1111@yahoo.com	1312428024
50	Northaven Ln 7204 N	Storm water flooding investigation; owner believes a drain in the corner of N Northaven would improve. Crown of road prevents draining to inlet down street	Dick Caldwell	309-691-8469	1409326013
51	Donna Ln 3810 N	Low point in neighborhood, water from Overhill & Wagner run down to inlets on Donna, overflow the inlets and flood low lying areas along Donna. Need more capacity on existing sewers UPDATE (1.22.15): Inlets need to be cleaned out, give to city streets crew. Added to inlet cleaning list. Keep monitoring area and if drainage study is done; may be able to add capacity if needed.	Dick Mansfield	686-0870	1430276005
52	Alta Rd 1634 W	shape bank on house side of ditch and add riprap. House not in peoria, but Alta rd is.	Floyd Clairmont	264-5037	932102001
53	Allen/Park (#2303)	repair riprap below concrete flare	Foth		1406251002
54	High Point Terrace 854 E.	Exposed plastic pipe, winds down the property. Pipe in good shape, but aesthetically flawed. Pipe has low spots where runoff/silt has overtopped. Private property application 2013. water comes off of the road and down the slope towards his house. The pavement section is uneven and there is no curb and gutter or inlets.	James Ludwig	253 2338 ludwig@fsmail.brady.edu	1409476008
55	Hickory woods Ct 11403	look at installing a different type of grate on the pipe. Debris was caught on the grate during the 6/24/13 storm. Sinkholes around end of pipe. Televising video shows a split pipe at about 98 ft from the manhole. The correlates with sinkhole. Point repair to fix pipe and sinkhole	Joe Bousky	309-691-3942	929204004
56	Lexington Dr 6224 N	Poor drainage at location north of Northmoor. 7/11/14 Street department cleaned the culvert. This corner is also on the ARC for a grading project for the inlet. Needs visit to verify if still has issues with Northmoor project. Update (1.19.15): culvert under driveway has issues with clogging	Kenneth Parker	309-691-2014	1417277011
57	Lakewood 413 W	Culvert in the gutter that runs down to creek. Not sure of ownership of culvert but appears plow hit culvert and now water flow is restricted. Needs to be removed, gutter installed, and needs erosion protection in R.O.W.	Leonard Lamb	309-256-7657	1421305020
58	Allen N	Erosion along Allen Rd next to Greenview Nursery Property at 2700 W Cedar Hills Drive. 6/30/14 site visit preformed. Minor erosion at outfall. Exposed conduits. Water main and utility; contacted American H2O and will protect their piping.	Matt White, Illinois American H2O	309-205-8366	919251009

59	Teton Dr. 1101	called to report problems of erosion around the catch basin at the back of his property and the pipe that runs through his yard. He said the catch basin has two tiers built around it and the lower tier was "blown out" last spring with the heavy rains; now the area is further eroding and causing erosions at his yard too. Discuss with city [pipe extension through PPDAP]	Mr. Chris Butler	309-431-0014	1408404026
60	University 8801 N	property appears to be near the high point, the area is very flat. Both adjoining properties have problems with their ditches. The outfall pipes come in lower than the ditch itself. Survey to evaluate if regrading ditches will help and how far you need to regrade to get the ditches to drain properly. Other option bore pipe under University and outlet ditch in the east side ditch. Will be apart of larger drainage project along when city has a project on university	Steve Kerr for Todd Gray- Gray Interplant	692-8500 (Mohr & Kerr)	1406276006
61	Sherbrook Ln 5303 N	issue with sitting water in ditch along Sheridan Rd.; currently there is no damage to the homes along Sheridan, regrade ditches	Steve Koch (309)231-0485		1421102003
62	Pendleton 4744 W Pendleton Pl	Slumping /Erosion around storm sewer, Storm sewer outlets in creek of property outside the City, County person has building a bridge and it backs out the flow of water, *ELECTRIC FENCE*; 3/31/15 Update: yard completely fenced in and cannot determine problem	Vickie Edwards	(309) 258-0692	1314401011

<p>Northmoor First Presbyterian Church 2400 W.</p> <p>Abbreviations DWS = dry weather screening</p>	<p>Concern for failed gabion wall. Please check where ROW is located along stream, and make sure City gabions are repaired, if necessary. Check drainage program for prior use by church and midwest orthopedics. Let City know if Austin needed to stake ROW. Private Property? UPDATE 1.19.15: Gabion baskets have been washed out into stream; needs to be repaired; Private Property, location has used \$22,000 from previous PPDA Update: visited 6/4/15 issues are not in ROW and are on owners property and does not qualify for PPDA. Will be taken off ARC list</p>	<p>Pastor Randy Saxon Jim Baldwin</p>	<p>693-2002 (Randy) 691-2363 (Jim)</p>	<p>1418402046</p>
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Storm sewer projects identified through Televising

Total length (ft): 23,656

% of Grade 4 and 5 Pipe: 21%

4 & 5 proj: 39

Pipe Lining Repairs from Televising (Grade 5)							
	PipeSegmen	Street	UpstreamMH	DSManhole	Material	Height	Length (FT)
1	163	Granite St	255	837	Concrete Pipe (non-reinforced)	12	67
2	291	Trails Edge	342	341	PolyVinyl Chloride	12	54
3	360	Trails Edge	414	415	Reinforced Concrete Pipe	12	194
4	730	Jason Dr	961	962	Reinforced Concrete Pipe	12	39
5	754	Broadland	1026	1025	Reinforced Concrete Pipe	12	34
6	889	Meadowview	916	917	Reinforced Concrete Pipe	12	212
7	951	Geneva	1036	1407	Reinforced Concrete Pipe	12	171
8	632	Marks Pl	732	733	RCP	15	248
9	946	Collett	1074	1137	Reinforced Concrete Pipe	15	231
10	147	Granite St	846	845	Reinforced Plastic Pipe (Truss Pipe)	15	236
11	755	Broadland	1025	1023	Reinforced Concrete Pipe	18	111
12	92	Onyx Ln	234	236	Reinforced Plastic Pipe (Truss Pipe)	18	370
13	1081	Lauraline	1405	1406	Reinforced Concrete Pipe	30	164
14	1502	North Forest	1761	1762	Corrugated Metal Pipe	15	40
15	1555	Thousand Oaks Ct	1856	1857	Corrugated Metal Pipe	12	149
16	4376	Post Oak	4725	4725a	Corrugated Metal Pipe	15	205
17	6126	Fairmont	6901	6903	Corrugated Metal Pipe	15	40
18	1201	Bodell	1143	1139	Reinforced Concrete Pipe	24	175
19	1333	Oakwood	1540	1541	Reinforced Concrete Pipe	12	207
20	1341	Brookforest	1587	1588	Reinforced Concrete Pipe	12	84
21	1354	Scottwood	1547	1548	Reinforced Concrete Pipe	12	77
22	1362	Antler	1555	1556a	Reinforced Concrete Pipe	12	113
23	1368	Scottwood	1561	Outfall	Reinforced Concrete Pipe	12	82
24	1370	Brookforest	1564	1562	Reinforced Concrete Pipe	12	61
25	1385	Deerbrook	1602	1603	Reinforced Concrete Pipe	12	57
26	1392	Havenhurst	1632	1634	Reinforced Concrete Pipe	12	25
27	1403	Grand Oak Ct	1656	1657	Reinforced Concrete Pipe	12	32
28	1410	Grand Oak	1663	1659	Reinforced Concrete Pipe	12	226
29	1497	Nassua	1735	1736	Reinforced Concrete Pipe	18	175

30	1546	Ravinwoods	1834	1833	Reinforced Concrete Pipe	12	260	
31	3004	Regent	3480	3481	Reinforced Concrete Pipe	30	45	
							4,184	High

Pipe Lining Repairs from Televising (Grade 4)

	PipeSegmen	Street	UpstreamMH	DSManhole	Material	Height	Length (FT)	
1	143	Carlisle Ln	276	843	Reinforced Plastic Pipe (Truss Pipe)	12	23	
2	338	Winter Ct	412	868	Reinforced Concrete Pipe	12	105	
3	372	Trails Edge	424	869	Reinforced Concrete Pipe	15	139	
4	745	Broadland	1017	1352	Reinforced Plastic Pipe (Truss Pipe)	15	169	
5	589	Brooklyn Pl	712	1254	RCP	24	147	
6	207	Grove Mill	628	632	Reinforced Concrete Pipe	36	132	
7	427	Grove Mill	629	628	Reinforced Concrete Pipe	36	138	
8	916	Wilhelm	1098	1097	Reinforced Concrete Pipe	18	30	
							883	Medium

Dry Weather Screening- Outfalls in need of maintenance

The year listed is the year the repairs were identified

Total
102

	Year	Outfall #
1	2012	56
2	2012	70
3	2012	77
4	2012	78
5	2012	811
6	2012	614
7	2012	815
8	2012	827
9	2012	851

	Year	Outfall #
1	2013	1277
2	2013	1279
3	2013	1501
4	2013	1505
5	2013	1514
6	2013	1541
7	2013	1576
8	2013	1589
9	2013	1597
10	2013	1601
11	2013	1604
12	2013	1605
13	2013	1618
14	2013	1621
15	2013	1624
16	2013	1629
17	2013	1649
18	2013	1650
19	2013	1651
20	2013	1652
21	2013	1653
22	2013	1685
23	2013	1728
24	2013	1734
25	2013	1736
26	2013	1737
27	2013	1740
28	2013	1757
29	2013	1760
30	2013	1822
31	2013	1890
32	2013	2313
33	2013	2545
34	2013	2547
35	2013	2549
36	2013	2551
37	2013	2846
38	2013	3041
39	2013	3166

	Year	Outfall #
1	2014	3100
2	2014	3296
3	2014	3298
4	2014	3411
5	2014	3414
6	2014	3893
7	2014	4303
8	2014	4313
9	2014	4657
10	2014	4816

	Year	Outfall #
1	2015	1610
2	2015	1689
3	2015	1692
4	2015	1693
5	2015	3900
6	2015	4778
7	2015	4802
8	2015	4818
9	2015	5017
10	2015	5135
11	2015	5268
12	2015	5291
13	2015	5330
14	2015	5333
15	2015	5388
16	2015	5389
17	2015	5543
18	2015	5788
19	2016	5810
20	2016	7340
21	2016	7344
22	2016	7428
23	2016	7440
24	2016	7638
25	2016	7857
26	2016	7860
27	2016	7861

	Year	Outfall #
1	2017	2102
2	2017	2106
3	2017	35
4	2017	43
5	2017	2107
6	2017	21
7	2017	202
8	2017	204
9	2017	54
10	2017	188
11	2017	2131
12	2017	2130
13	2017	60
14	2017	57-2
15	2017	56-2
16	2017	4816
17	2017	57

2019 OPERATIONS STORM WATER DRAINAGE REPAIR PLAN

	LOCATION	DESCRIPTION OF REPAIR NEEDED
1	600 E Virginia	90* broken in trap
2	American Prairie @ Orange Prairie	void in left front between
3	Briarstone Dr 5220	Void under driveway btw box and 1st riser bad
4	1120 E. Virginia Ave. (Tank)	
5	1200 E McClure Ave (Tank)	
6	1122 E McClure Ave. (Tank)	
7	5207 N Merrimac	place invert
8	Across from 11231 N Hazel way	
9	301 E. Archer Ave.	Clay Pipe is Broke---Julie needed
10	416 E Forrest Hill Ave.	
11	700 E. Forrest Hill Ave.	
12	2519 N Wisconsin St.	
13	Maywood @ Prospect	Repair Inlet
14	NE Corner Nebraska @ Glen Oak	
15	6898 N Fox Point Dr	Void by Inlet
16	650 E High Point Terr	Void by Inlet
17	6900 E Skyline Dr	Void by Inlet
18	10522 N Dahlia Ct	Void by Inlet
19	915 E Virginia Ave	Void by Driveway
20	11200 N Jonathans Way	Void by Inlet
21	10423 N Trails Edge Dr	Void by Inlet
22	435 W Stratford Dr	Void by Inlet
23	4008 W Verner Dr	Sewer inlet broken
24	3400 SW Washington	Sink hole
25	1830 W Newman Pkwy	Void in road
26	N Molleck Dr	Sink hole on the hill
27	501 E Gift Ave	Void by driveway
28	W Marks Pl	Void by inlet
29	418 SW Water St	Void by manhole
30	4513 N Sterling Ave	Repair inlet
31	3600 W Warwick Dr	Void by inlet
32	1100 N Bourland Ave	Sink hole

2019 OPERATIONS STORM WATER DRAINAGE REPAIR PLAN

	LOCATION	DESCRIPTION OF REPAIR NEEDED
33	3003 N Molleck Dr	Sink hole
34	6914 Flagstone Ct	Repair inlet
35	10108 N Brompton Ct	Void by inlet
36	512 E High Point Rd	Culvert repair
37	2918 W Westport Dr	Void by inlet
38	2702 W Krause Ave	Void by inlet
39	Abington at SE corner of Frye	Void by inlet
40	527 and 631 Fairholm	Void in road
41	603 W Lake Ave	Void by inlet
42	3320 N North St	Void in road
43	N North St at Lawndale Ave	Void in road
44	N Allen Rd east of War Memorial	Drain tile installation
45	1826 W Lincoln Ave	Void in alley
46	715 S Western	Void by inlet
47	S Western at west side of Kellog	Void by inlet
48	Western at southwest corner of Moss	Void by inlet
49	S Western south of Moss	Void by inlet
50	S Western at east side of Ayres	Void by inlet
51	Western at east side of Callender	Void by inlet
52	Western at east side of Kellogg	Void by inlet
53	Western at east side of Alice	Void by inlet
54	Western at southeast corner of Laura	Void by inlet
55	3900 W Reservoir Blvd	Void in road
56	5323 W Ancient Oak Dr	Void by inlet
57	1800 S Arago St	Void by inlet
58	3116 N Dries Ln	Void in grass
59	3000 Block W Forrest Hill Ave	Manhole Repair
60	8800 Westpoint Ct	Void by Inlet
61	N Wacker Dr @ W Virden Dr	Void by Inlet
62	N Molleck Dr 100' N of Richwoods	Void by Inlet
63	2804 Wisconsin Ave.	
64	Southeast corner Nebraska & Atlantic	

2019 OPERATIONS STORM WATER DRAINAGE REPAIR PLAN

	LOCATION	DESCRIPTION OF REPAIR NEEDED
65	3626 N Sheridan Rd.	
66	3720 N Sheridan Rd.	
67	3800 N Sheridan Rd	patch
68	NE Corner of N Sheridan & Ridgemont	Void by inlet
69	411 E. Nebraska	Repair Inlet
70	NW corner Delaware and Behrends	Repair Inlet
71	429 E. Frye Ave.	Repair Inlet
72	1102 N University St.	
73	1025 N Sheridan Rd.	
74	SE corner of Forest Hill and Delaware	Broken Hood
75	Ridgeview Dr 1st inlet on north side	void
76	Jeth Ct & N University St	Headwall cleaning
77	N woodview Ave	Headwall cleaning
78	W Capital Dr	Headwall cleaning
79	E Poplet Hollow Rd	Headwall cleaning
80	W Glen Ave	Headwall cleaning
81	421 W Merle Ln	Headwall cleaning
82	301 Nebraska	Headwall cleaning
83	1000 Nebraska	Headwall cleaning
84	Allen Rd & W Northmoor Rd	Headwall cleaning
85	1113 W Oakglen Dr	Headwall cleaning
86	116 W Stonegate Rd	Headwall cleaning
87	1433 W West Aire Ave	Headwall cleaning
88	201 W Corrington Ave	Headwall cleaning
89	Isabell & Hanssler	Headwall cleaning
90	Allen Rd & Alta Rd	Headwall cleaning
91	5903 N Sherwood	Headwall cleaning
92	Christine	Headwall cleaning
93	McClure & North	Headwall cleaning
94	1000 W McClure	Headwall cleaning
95	Morningside @ Collingwood	Headwall cleaning
96	7300 Andover Pl	Headwall cleaning

2019 OPERATIONS STORM WATER DRAINAGE REPAIR PLAN

	LOCATION	DESCRIPTION OF REPAIR NEEDED
97	600 Collingwood	Headwall cleaning
98	7400 Mt Hawley Rd	Headwall cleaning
99	5827 Briarwood Ln	Headwall cleaning
100	913 Fairmount Rd	Headwall cleaning
101	303 Lyndale	Headwall cleaning
102	100 Oak Cliff	Headwall cleaning
103	209 W Corrington	Headwall cleaning
104	315 W Corrington	Headwall cleaning
105	323 Hanssler	Headwall cleaning
106	2004 Gale	Headwall cleaning
107	2200 N Bourland	Headwall cleaning
108	101 Thrush	Headwall cleaning
109	1023 Noland	Headwall cleaning
110	1021 Macqueen	Headwall cleaning
111	1021 McClure in alley	Headwall cleaning
112	1025 Virginia	Headwall cleaning
113	1103 Gift	Headwall cleaning
114	1019 Gilbert	Headwall cleaning
115	Loucks @ twelve Oaks	Headwall cleaning
116	2013 Parish	Headwall cleaning
117	1107 Forrest Hill	Headwall cleaning

Inlet Repairs

20	Allen Rd from Willow Knolls to Pioneer Parkway	Inlet repairs- riser separations, tar strip issues
8	Wynncrest Section 1	Inlet repairs- riser separations, tar strip issues
9	Stone Gate Section 1 &2	Inlet repairs- riser separations, tar strip issues
12	Copper Creek & sect 2	Inlet repairs- riser separations, tar strip issues
15	Hunters Trail	Inlet repairs- riser separations, tar strip issues
40	Dover point Sect 1-8	Inlet repairs- riser separations, tar strip issues
35	Northtrail Meadows Sect 1-3	Inlet repairs- riser separations, tar strip issues
139	Total Repairs	

2019 OPERATIONS STORM WATER DRAINAGE REPAIR PLAN

	LOCATION	DESCRIPTION OF REPAIR NEEDED
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Ditch cleaning

10 Golden Acres Subdivision	Greenwood Pl, Ridgelawn Pl, Edwood Dr, Sylvan Ln, Grimson Ave, NW Scenic, Carola Ct, Mary Knoll Ct, Queen Ann Ct, Elmwood Ct,
5 El Vista Subdivision	Albany Ave, Stanley St, Leroy Ave, Tripp Ave, El Vista
1 Hudson St Sterling to Western Ave	
1 Northcrest Dr from W Nebraska-Arrowhead Ln	
1 Lehman Rd from Nebraska - Newman Pkwy	
1 W Kansas from Lehman to Sterling	
1 Mt Hawley Rd from W Northgate-Knoxville	
1 W Northgate Rd from N Northgate Rd-Mt Hawley Rd	
1 E Koch Dr from Galena Rd to end	
1 N Derby Rd from N Galena Rd to end	
1 W Latrobe from S Idaho St- Folkers	
1 Folkers sty from Garden to Malone	
1 NE Monroe from Beacon to North and Beacon to South	
1 NE Brevis from Homestead to Harvard St	
1 Beacon St from NE Madison to West end	
1 E Minnesota from Harvard to West and Harvard to East	
1 E Purdue from Harvard to West	
1 E Princeton from Harvard to West and Harvard to East	
1 E Knox from Harvard to West	
1 E Reservoir from Harvard to East	
1 E Bishop from Harvard to N Harmon Ave	
1 N Harmon from W Tanglewood Ln to E Reservoir	
1 N Breckenridge Ct from Reservoir to Grandview	
1 E Reservoir from Harvard to East	
1 E Crestwood Dr from E mapleridge dr to Grand Blvd	
1 W Ravinwoods Rd from Knoxville to Townsend Dr	
1 W Raven Rd from Ravinswood Rd to end	

2019 OPERATIONS STORM WATER DRAINAGE REPAIR PLAN

	LOCATION	DESCRIPTION OF REPAIR NEEDED
1	N North Forrest Trail	
1	W South Forrest Trail	
1	W Oakview Dr	
1	N Forrest Dr	
1	N Spring Ln	
1	W Orchard In	
46	Total Locations	

2017 Stormwater Projects Summary	
	#
ARC list	62
Repairs from Televising list	39
Outfall repair list	102
Operations list	87
Inlet repairs list	139
Ditch Cleaning list	46
Total	475