

Storm Drainage

Mission: To enhance public safety and property values by minimizing property damage from flooding and erosion, protection of stormwater quality, enforcement of local regulations, and compliance with Federal and State law.

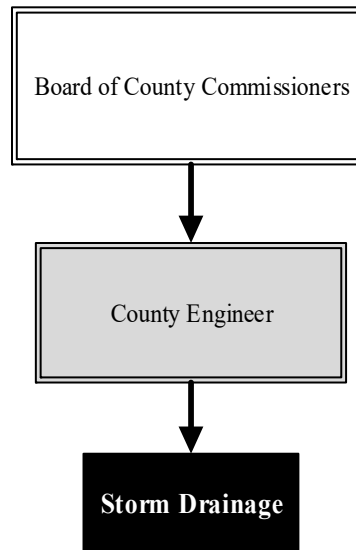
Scott Lindebak, P.E.
Stormwater Manager

1144 S. Seneca St.
Wichita, KS 67217
316.660.1777

scott.lindebak@sedgwick.gov

Overview

The programs of Storm Drainage: Stream Maintenance, Flood Control, and Stormwater Management, prevent or minimize flood damage by shaping and clearing streambeds and managing drainage in the county's unincorporated areas. Staff reviews stormwater requirements for developments, provides planning and permitting services for capital improvement projects, and conducts and oversees long-term project planning of drainage enhancements in unincorporated Sedgwick County. Of particular note is the Department's continuing and successful effort to improve flow on Jester Creek. Storm Drainage jointly funds maintenance of the Wichita-Valley Center Flood Control Project with the City of Wichita.



Strategic Goals:

- *Protect the County's infrastructure by keeping watercourses free from obstruction*
- *Protect the investment in the Wichita-Valley Center Flood Control Project by supporting an effective maintenance program*
- *Improve stormwater quality and the environment through an effective stormwater management program*

Highlights

- Cut brush and removed sediment from over 20 drainage structures along township and County roads
- Installed a structural stormwater best management practice (BMP) in the Oaklawn Improvement District which will improve water quality discharges to the Arkansas River
- Completed stream bank stabilization of Spring Creek, south of Derby and upstream of K-15
- Inventoried and inspected over 2,000 cross road culverts and bridges for the purpose of improving drainage throughout the County



Accomplishments and Strategic Results

Accomplishments

The Storm Drainage Department has provided joint funding with the City of Wichita to ensure upkeep and maintenance of the Wichita-Valley Center Flood Control project, also known as the M.S. "Mitch" Mitchell Floodway or the "Big Ditch", to annually meet Federal regulations. The Stream Maintenance Program has worked to improve water flow along several County streams, including Dry Creek, Jester Creek, and Cowskin Creek. This time-consuming process involves meeting with property owners to explain the project and gain permission to access private property if necessary. The Stream Maintenance crew is meticulous to leave property in the same or better condition than when it arrived. The Program has also successfully restored natural habitats in waterways to ensure the preservation of endangered species. The Storm Drainage Department has also reached an agreement with the Kansas Department of Wildlife, Parks, and Tourism (KDWPT) to streamline project approvals and reduce regulatory burdens on citizens and Sedgwick County as it relates to threatened and endangered species in the State. Sedgwick County is the only local unit of government in Kansas to reach such an agreement with KDWPT.

Strategic Results

Storm Drainage continues to maintain operations with limited resources; proactively clearing debris and vegetation from County maintained streams and drainage structures to reduce or eliminate impact on property owners and infrastructure; and ensuring environmental compliance through the timely acquisition of permits. In addition, a priority for Storm Drainage is to continue the improvements of toe drains on the M. S. "Mitch" Mitchell Floodway (the "Big Ditch") to ensure future levee certification. This certification of 100 miles of levees is required by the Federal Emergency Management Agency (FEMA) and keeps property owners from increased insurance rates.

Storm Drainage has several strategic goals to track performance. One goal was the cleaning and repair of at least four hot spot streams. The 2022 result for this was five hot spots cleaned and repaired. Hot spots are smaller projects that have a relatively big impact on a drainage system, for example a log jam or a series of log jams that are removed that clear a larger problem area. Another strategic goal was to clear 20 bridge openings of trees and debris. The 2022 result for this was 13 bridge openings cleared of trees and debris.

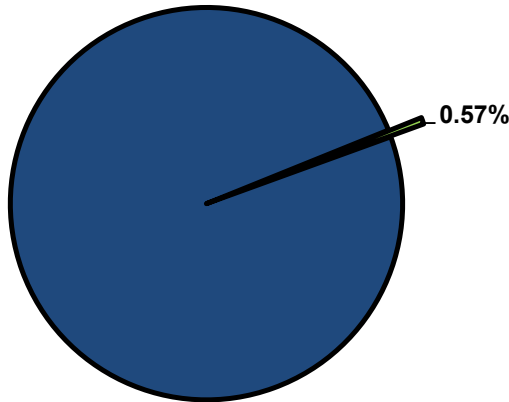


Significant Budget Adjustments

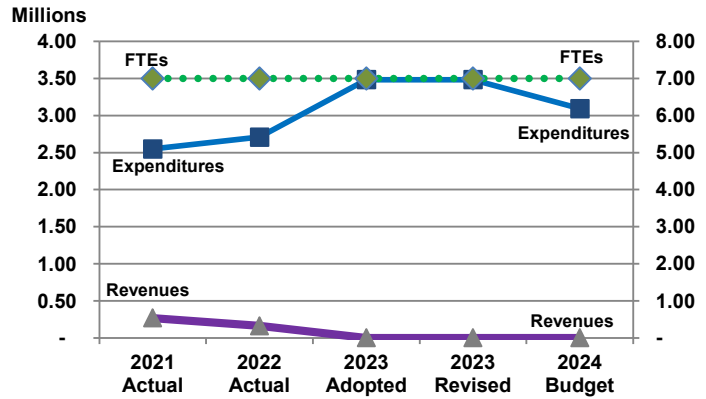
Significant adjustments to Storm Drainage's 2024 budget include a decrease in interfund transfers due to 2023 Capital Improvement Plan (CIP) projects (\$1,360,187), an increase in funding for the Wichita-Valley Center Flood Control Program for major maintenance and repairs in the 2024 CIP (\$760,187), and an increase in funding for Flood Control to match the funding agreement with the City of Wichita (\$161,241).

Departmental Graphical Summary

Storm Drainage
Percent of Total County Operating Budget



Expenditures, Program Revenue & FTEs
All Operating Funds



Budget Summary by Category

	2021 Actual	2022 Actual	2023 Adopted	2023 Revised	2024 Budget	Amount Chg '23 Rev.-'24	% Chg '23 Rev.-'24
Expenditures							
Personnel	511,109	510,682	571,436	571,249	636,821	65,572	11.48%
Contractual Services	1,379,668	1,268,063	1,549,727	1,549,914	1,695,266	145,352	9.38%
Debt Service	-	-	-	-	-	-	-
Commodities	2,628	5,000	2,700	2,700	2,700	-	0.00%
Capital Improvements	-	-	1,360,187	-	760,187	760,187	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	657,500	925,000	-	1,360,187	-	(1,360,187)	-100.00%
Total Expenditures	2,550,905	2,708,745	3,484,050	3,484,050	3,094,974	(389,076)	-11.17%
Revenues							
Tax Revenues	-	-	-	-	-	-	-
Licenses and Permits	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges for Services	-	-	-	-	-	-	-
All Other Revenue	268,391	160,264	-	-	-	-	-
Total Revenues	268,391	160,264	-	-	-	-	-
Full-Time Equivalents (FTEs)							
Property Tax Funded	7.00	7.00	7.00	7.00	7.00	-	0.00%
Non-Property Tax Funded	-	-	-	-	-	-	-
Total FTEs	7.00	7.00	7.00	7.00	7.00	-	0.00%

Budget Summary by Fund

Fund	2021 Actual	2022 Actual	2023 Adopted	2023 Revised	2024 Budget	Amount Chg '23 Rev.-'24	% Chg '23 Rev.-'24
General Fund	2,550,905	2,708,745	3,484,050	3,484,050	3,094,974	(389,076)	-11.17%
Total Expenditures	2,550,905	2,708,745	3,484,050	3,484,050	3,094,974	(389,076)	-11.17%

Significant Budget Adjustments from Prior Year Revised Budget

	Expenditures	Revenues	FTEs
Decrease in interfund transfers for 2023 CIP projects	(1,360,187)		
Increase in funding for a 2024 CIP project	760,187		
Increase in funding to match the Flood Control Agreement with the City of Wichita	161,241		
Total	(438,759)	-	-

Budget Summary by Program

Program	Fund	2021 Actual	2022 Actual	2023 Adopted	2023 Revised	2024 Budget	% Chg '23 Rev.-'24	2024 FTEs
Stream Maintenance	110	598,369	598,874	659,757	659,570	704,975	6.88%	6.00
Flood Control	110	1,718,426	1,927,864	2,614,212	2,614,399	2,175,640	-16.78%	-
Stormwater Management	110	234,111	182,007	210,081	210,081	214,359	2.04%	1.00
Total		2,550,905	2,708,745	3,484,050	3,484,050	3,094,974	-11.17%	7.00

Personnel Summary By Fund

Position Titles	Fund	Grade	Budgeted Compensation Comparison			FTE Comparison		
			2023 Adopted	2023 Revised	2024 Budget	2023 Adopted	2023 Revised	2024 Budget
Senior Engineer	110	GRADE68	-	-	92,806	-	-	1.00
Crew Foreman	110	GRADE59	-	-	72,071	-	-	1.00
Crew Chief	110	GRADE57	-	-	62,902	-	-	1.00
Equipment Operator III	110	GRADE56	-	-	165,762	-	-	3.00
Administrative Support I	110	GRADE51	-	-	37,024	-	-	1.00
Senior Engineer	110	GRADE136	84,247	92,806	-	1.00	1.00	-
Crew Foreman	110	GRADE124	56,160	59,426	-	1.00	1.00	-
Crew Chief	110	GRADE123	51,147	56,281	-	1.00	1.00	-
Equipment Operator III	110	GRADE122	160,285	175,369	-	4.00	4.00	-
Subtotal					430,565			
Add:								
Budgeted Personnel Savings					-			
Compensation Adjustments					22,716			
Overtime/On Call/Holiday Pay					-			
Benefits					183,540			
Total Personnel Budget					636,821	7.00	7.00	7.00

• Stream Maintenance

The Stream Maintenance Program serves Sedgwick County citizens by correcting obstructions within watercourses, reshaping bank lines to ensure the normal course of flow following flood conditions, and inspecting streams and other watercourses during prolonged rain and flood conditions to ensure protection of life and property.

The program's six-person staff performs the wide variety of work outlined above. They are assigned and use a variety of heavy equipment, principally bulldozers and tracked excavators, to accomplish their mission.

Fund(s): County General Fund 110

Expenditures	2021 Actual	2022 Actual	2023 Adopted	2023 Revised	2024 Budget	Amnt. Chg. '23 - '24	% Chg. '23 - '24
Personnel	393,487	384,140	441,039	440,852	501,644	60,792	13.8%
Contractual Services	202,254	209,734	216,018	216,018	200,631	(15,387)	-7.1%
Debt Service	-	-	-	-	-	-	0.0%
Commodities	2,628	5,000	2,700	2,700	2,700	-	0.0%
Capital Improvements	-	-	-	-	-	-	0.0%
Capital Equipment	-	-	-	-	-	-	0.0%
Interfund Transfers	-	-	-	-	-	-	0.0%
Total Expenditures	598,369	598,874	659,757	659,570	704,975	45,405	6.9%
Revenues							
Taxes	-	-	-	-	-	-	0.0%
Intergovernmental	-	-	-	-	-	-	0.0%
Charges For Service	-	-	-	-	-	-	0.0%
All Other Revenue	-	-	-	-	-	-	0.0%
Total Revenues	-	-	-	-	-	-	0.0%
Full-Time Equivalents (FTEs)	6.00	6.00	6.00	6.00	6.00	-	0.0%

• Flood Control

The City-County Flood Control program inspects, operates, and maintains the Wichita-Valley Center Flood Control Project in accordance with standards established by the United States Army Corps of Engineers (USACE). This program is administered by the City of Wichita's Public Works Department and is funded equally by the City of Wichita and Sedgwick County.

The Wichita-Valley Center Flood Control Project includes 40.9 miles of channels, 97.0 miles of levees, and total area of 5,613 acres. Maintenance of the flood control project includes mowing, clearing draining structures, removing debris from bridges and other structures, grading levees and roadways, repairing erosion, stabilizing banks, and repairing fences and gates.

Fund(s): County General Fund 110

Expenditures	2021 Actual	2022 Actual	2023 Adopted	2023 Revised	2024 Budget	Amnt. Chg. '23 - '24	% Chg. '23 - '24
Personnel	-	-	-	-	-	-	0.0%
Contractual Services	1,060,926	1,002,864	1,254,025	1,254,212	1,415,453	161,241	12.9%
Debt Service	-	-	-	-	-	-	0.0%
Commodities	-	-	-	-	-	-	0.0%
Capital Improvements	-	-	1,360,187	-	760,187	760,187	0.0%
Capital Equipment	-	-	-	-	-	-	0.0%
Interfund Transfers	657,500	925,000	-	1,360,187	-	(1,360,187)	-100.0%
Total Expenditures	1,718,426	1,927,864	2,614,212	2,614,399	2,175,640	(438,759)	-16.8%
Revenues							
Taxes	-	-	-	-	-	-	0.0%
Intergovernmental	-	-	-	-	-	-	0.0%
Charges For Service	-	-	-	-	-	-	0.0%
All Other Revenue	268,391	160,264	-	-	-	-	0.0%
Total Revenues	268,391	160,264	-	-	-	-	0.0%
Full-Time Equivalents (FTEs)	-	-	-	-	-	-	0.0%

• Stormwater Management

Stormwater Management provides citizens a single point of contact for drainage issues within the unincorporated areas of the county. Equally important is the capability to implement a comprehensive approach to stormwater planning and design. Established in 2001, the program has been responsible for a series of drainage projects beginning in the 2001 Capital Improvement Program. These drainage projects occupy a significant portion of the program's time, as does the design of future projects. The program has a wide variety of responsibilities that include implementation of Phase II of the National Pollutant Discharge Elimination System (NPDES), a federal mandate.

Fund(s): County General Fund 110

Expenditures	2021 Actual	2022 Actual	2023 Adopted	2023 Revised	2024 Budget	Amnt. Chg. '23 - '24	% Chg. '23 - '24
Personnel	117,622	126,542	130,397	130,397	135,177	4,780	3.7%
Contractual Services	116,488	55,466	79,684	79,684	79,182	(502)	-0.6%
Debt Service	-	-	-	-	-	-	0.0%
Commodities	-	-	-	-	-	-	0.0%
Capital Improvements	-	-	-	-	-	-	0.0%
Capital Equipment	-	-	-	-	-	-	0.0%
Interfund Transfers	-	-	-	-	-	-	0.0%
Total Expenditures	234,111	182,007	210,081	210,081	214,359	4,278	2.0%
Revenues							
Taxes	-	-	-	-	-	-	0.0%
Intergovernmental	-	-	-	-	-	-	0.0%
Charges For Service	-	-	-	-	-	-	0.0%
All Other Revenue	-	-	-	-	-	-	0.0%
Total Revenues	-	-	-	-	-	-	0.0%
Full-Time Equivalent (FTEs)	1.00	1.00	1.00	1.00	1.00	-	0.0%